

# BREAUX ACT

## COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT TASK FORCE MEETING

### AGENDA

October 13, 9:30 a.m.

**Location:**

Lake Charles Civic Center  
900 Lake Shore Drive  
Lake Charles, Louisiana

**Documentation of Task Force meetings may be found at:**

[http://www.mvn.usace.army.mil/pd/cwppra\\_mission.htm](http://www.mvn.usace.army.mil/pd/cwppra_mission.htm)

#### Tab Number

#### Agenda Item

1. **Meeting Initiation 9:30 a.m. to 9:40 a.m.**
  - a. Introduction of Task Members or Alternates
  - b. Opening remarks of Task Force Members
  - c. Request for Agenda Changes/Additional Agenda Items/Adoption of Agenda
2. **Decision: Adoption of Minutes from the June 23, 2010 Task Force Meeting (Tom Holden, USACE) 9:40 a.m. to 9:45 a.m.** Mr. Tom Holden will present the minutes from the last Task Force meeting. Task Force members may provide suggestions for additional information to be included in the official minutes.
3. **Report: Status of Breaux Act Program Funds and Projects (Gay Browning, USACE) 9:45 a.m. to 9:55 a.m.** Ms. Gay Browning will provide an overview of the status of CWPPRA accounts and available funding in the Planning and Construction Programs.
4. **Report: Outreach Committee Quarterly Report (Susan Testroet-Bergeron, USGS) 9:55 a.m. to 10:10 a.m.** Ms. Susan Bergeron will provide the Outreach Committee quarterly report.
5. **Report: Final Report of the Monitoring Work Group Review of CRMS and the overall CWPPRA Monitoring Program (John Foret, NMFS) 10:10 a.m. to 10:20 a.m.** Dr. John Foret will provide a status on the programmatic review of CRMS and the overall CWPPRA Monitoring program.
6. **Report: Status of the PPL 1 - West Bay Sediment Diversion Project (MR-03) (Travis Creel, USACE) 10:20 a.m. to 10:30 a.m.** Mr. Travis Creel will provide a status on the West Bay Work Plan and Closure Plan.
7. **Report: Status of Unconstructed Projects (Tom Holden, USACE) 10:30 a.m. to 10:40 a.m.** The Planning and Evaluation Subcommittee will report on the status of unconstructed CWPPRA projects that have been experiencing project delays.

- a. TV-19 Weeks Bay Marsh Creation and Shore Protection/Commercial Canal Freshwater Redirection Status Update. (Michael Somme, CSRS, Inc.)
  - b. ME-21a Grand Lake Shoreline Protection, Tebo Point Update. ( Tom Holden, USACE)
- 8. Report: Coast-wide Nutria Control Program – Annual Report (Edmond Mouton, LDWF) 10:40 a.m. to 10:55 a.m.** Mr. Edmond Mouton with the Louisiana Department of Wildlife and Fisheries will present an Annual Report on the LA-03b Coast-wide Nutria Control Program (CNCP).
- 9. Decision: Deauthorization of the Brown Lake Hydrologic Restoration Project (Tom Holden, USACE) 10:55 a.m. to 11:05 a.m.** The Task Force initiated procedures to deauthorize the Brown Lake Hydrologic Restoration Project on October 28, 2009. Notice of the pending deauthorization was sent on August 23, 2010, to the U.S. Congress, the State House and Senate natural Resources Committee chairs, and to adjacent landowners. The notice was also disseminated via the Breaux Act News Flash. The Task Force will consider the Technical Committee’s recommendation for final deauthorization of the Brown Lake Hydrologic Restoration Project as requested by NRCS and OCPD.
- 10. Decision: FY11 Planning Budget Approval, including the PPL 21 Process, and Presentation of FY11 Outreach Budget (Tom Holden, USACE) 11:05 a.m. to 11:25 a.m.**
- a. The Technical Committee will recommend to the Task Force that the PPL 21 Planning Process Standard Operating Procedures include selecting three nominees in the Barataria, Terrebonne, and Pontchartrain Basins, and two nominees in all other basins, except Atchafalaya where only one nominee would be selected. If only one project is presented at the Regional Planning Team meeting for the Mississippi River Delta Basin, then an additional nominee would be selected for the Breton Sound Basin.
  - b. The CWPPRA Outreach Committee will request Task Force approval for the FY11 Outreach Committee Budget in the amount of \$452,400.
  - c. The Task Force will consider the Technical Committee’s recommendation to approve the FY11 Planning Budget, which includes the Outreach Committee Budget above, in the amount of \$5,052,673.
  - d. The Task Force will consider the Technical Committee’s recommendation to approve the following change to the CWPPRA SOP:

**Section 6a. (1) (c):**

The responsibilities of the Technical Committee include the annual review of the outreach budget and the Public Outreach Committee’s strategic plan. These efforts should be undertaken concurrent with the annual planning budget in the spring and summer Technical Committee and Task Force meetings, respectively.

- 11. Decision: Annual Request for Incremental Funding for FY13 Administrative Costs for Cash Flow Projects (Gay Browning, USACE) 11:25 a.m. to 11:30 a.m.** The U.S. Army Corps of Engineers requested funding approval in the amount of \$37,190 for administrative costs for cash flow projects beyond Increment 1. The Task Force will consider the Technical Committee’s recommendation to approve the request for funds.
- 12. Decision: Request for FY13 Project Specific Monitoring Funds for Cash Flow Projects, and FY13 Coastwide Reference Monitoring System (CRMS)-Wetlands Monitoring Funds (Greg Steyer, USGS) 11:30 a.m. to 11:45 a.m.** Following a presentation by USGS on the

status/progress of CRMS over the past year, the Task Force will consider the Technical Committee's recommendations for approval of the following FY13 incremental funding requests:

- a. PPL 9+ Project specific FY13 monitoring funding totaling \$156,685:
  - Coastwide Nutria Control Program (LA-03b), PPL-11, NRCS  
Incremental funding in the amount of \$117,442.
  - Grand-White Lakes Landbridge Protection (ME-19), PPL-10, USFWS  
Incremental funding in the amount of \$20,808.
  - Barataria Basin Landbridge Shoreline Protection, Phase 3 (BA-27c), PPL-9, NRCS  
Incremental funding in the amount of \$18,435.
- b. CRMS FY13 monitoring funds in the amount of \$10,504,462.
- c. Non-cash flow project monitoring budget increase and Incremental Funding:
  - East Mud Lake Marsh Management (CS-20), PPL 2, NRCS, budget increase in the amount of \$405,938 and FY13 incremental funding in the amount of \$275,866, which includes \$89,211 to cover previously expended funds.

**13. Decision: Request for Operation and Maintenance (O&M) Incremental Funding and Budget Increases (Tom Holden, USACE/Kirk Rhinehart, OCPR) 11:45 a.m. to 12:45 p.m.**

The Task Force will consider the Technical Committee's recommendations to approve requests for total FY13 incremental O&M funding in the amount of \$2,661,498. The Technical Committee deferred making a recommendation on a request for an O&M budget increase of \$3,349,711 and incremental funding increase of \$3,356,181 for the Lake Borgne Shoreline Protection Project (PO-30) until additional engineering is conducted to demonstrate a cost effective design.

- a. PPL 9+ Projects requesting approval for FY13 incremental funding in the total amount of \$2,650,974 for the following projects:
  - Four Mile Canal Sediment Trapping (TV-18), PPL-9, NMFS  
Incremental funding amount (Federal S&A only): \$1,000
  - Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration (BA-35), PPL-11, NMFS  
Incremental funding amount (FY11 – FY13) (Federal S&A only): \$6,665
  - Coastwide Nutria Control Program (LA-03b), PPL-11, NRCS  
Incremental funding amount: \$2,643,309
- b. PPL 1-8 Projects requesting approval for FY13 incremental funding in the amount of \$10,524 for the following projects:
  - Point au Fer Canal Plugs (TE-22), PPL-2, NMFS  
Incremental funding amount (Federal S&A only): \$2,205
  - Lake Chapeau Sediment Input & Hydrologic Restoration (TE-26), PPL-3, NMFS  
Incremental funding amount (Federal S&A only): \$2,319
  - Black Bayou Hydrologic Restoration (CS-27), PPL-6, NMFS  
Incremental funding amount (FY11 – FY13) (Federal S&A only): \$6,000

**14. Discussion: Path Forward on the Request for Change in Scope and Construction Funding for the PPL 6 - North Lake Boudreaux Freshwater Introduction and Hydrologic Management Project (TE-32a) (Ronny Paille and Darryl Clark, USFWS) 12:45 p.m. to 12:55 p.m.** The U.S. Fish and Wildlife Service and the State Coastal Protection and Restoration Authority, through the OCPR, request Task Force approval for a change in scope, and to

request Phase II construction funding, for the North Lake Boudreaux project, to change the project features from benefitting 416 acres to 267 acres, and to increase the estimated fully funded project cost 110%, from \$12,289,133 to \$25,766,765. The Task Force will discuss a path forward.

**15. Decision: Request for a Change in the Project Scope for the Bayou Dupont Ridge Creation and Marsh Restoration Project (BA-48) Due to an Estimated Budget Increase (Cece Linder, NMFS) 12:55 p.m. to 1:05 p.m.** The NMFS and OCPR are requesting a change in the project scope due to an estimated budget increase over 89%. The Bayou Dupont Ridge Creation and Marsh Restoration Project was approved on PPL17. The original approved total project cost is \$21,626,767. While the project area and features are largely the same, increases in the estimated unit dredge and mobilization costs have resulted in a phase 2 estimate that is significantly higher than the phase 1 fully funded cost estimate. While the estimated fully funded cost and updated WVA are pending Engineering and Environmental Work Group review, NMFS and OCPR wish to proceed to 95% design in late October 2010 and proceed to a Phase 2 funding request for January 2011. The Task Force will consider the Technical Committee's recommendation to approve the request for a scope change to increase in the estimated total project budget to not exceed \$42,500,000, so the project may proceed to 95% design.

**16. Decision: Request for Approval to Initiate Deauthorization of the South Pecan Island Freshwater Introduction Project (ME-23) (John Foret, NMFS) 1:05 p.m. to 1:15 p.m.** The Office of Coastal Protection and Restoration, the local sponsor, and NMFS, the Federal sponsor, request approval to initiate the deauthorization of the South Pecan Island Freshwater Introduction Project (ME-23) based on a significant decrease in the project's cost effectiveness. The Task Force will consider the Technical Committee's recommendation to approve the initial deauthorization of the South Pecan Island Freshwater Introduction Project (ME-23).

**17. Additional Agenda Items (Col. Fleming, USACE) 1:15 p.m. to 1:20 p.m.**

**18. Request for Public Comments (Col. Fleming, USACE) 1:20 p.m. to 1:25 p.m.**

**19. Announcement: Dates of Upcoming CWPPRA Program Meetings (Melanie Goodman, USACE) 1:25 p.m. to 1:30 p.m.** The CWPPRA 20<sup>th</sup> Anniversary Fall Dedication Ceremony will be held October 14, 2010 at 10:00 a.m. at the Cameron Prairie National Wildlife Refuge Complex, 1428 Highway 27, Bell City, Louisiana. The Technical Committee meeting has been rescheduled to December 8, 2010.

**20. Announcement: Scheduled Dates of Future Program Meetings (Melanie Goodman, USACE) 1:30 p.m. to 1:35 p.m.**

**2010**

October 14, 2010	10:00 a.m.	Dedication Ceremony	Bell City
November 16, 2010	7:00 p.m.	PPL 20 Public Meeting	Abbeville
November 17, 2010	7:00 p.m.	PPL 20 Public Meeting	New Orleans
<del>December 1, 2010</del>	9:30 a.m.	Technical Committee	Baton Rouge
December 8, 2010			

**2011**

January 18, 2011	9:30 a.m.	Task Force	New Orleans
January 25, 2011	1:00 p.m.	Region IV Planning Team Meeting	Rockefeller Refuge
January 26, 2011	9:00 a.m.	Region III Planning Team Meeting	Houma
January 27, 2011	9:00 a.m.	Region II Planning Team Meeting	New Orleans

January 27, 2011	1:00 p.m.	Region 1 Planning Team Meeting	New Orleans
April 19, 2011	9:30 a.m.	Technical Committee	New Orleans
June 1, 2011	9:30 a.m.	Task Force	Lafayette
September 20, 2011	9:30 a.m.	Technical Committee	Baton Rouge

**21. Decision: Adjourn**

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**MEETING INITIATION**

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

# Task Force Members



Col. Edward R. Fleming  
District Commander and District Engineer  
U.S. Corp of Engineers, New Orleans District



Mr. Jim Boggs  
Field Supervisor  
U.S. Fish and Wildlife Service



Mr. Garret Graves  
Senior Advisor to the Governor for Coastal Activities  
Governor's Office of Coastal Activities



Mr. William K. Honker  
Deputy Director, Water Quality Protection Division  
Environmental Protection Agency



Mr. Christopher Doley  
Office of Habitat Conservation  
National Marine and Fisheries Service



Mr. Kevin Norton  
State Conservationist  
Natural Resources Conservation Service

# Technical Committee Members



Mr. Thomas A. Holden  
Deputy District Engineer  
U.S. Army Corps of Engineers



Mr. Darryl Clark  
Senior Field Biologist  
U.S. Fish and Wildlife Service



Mr. Kirk Rhinehart  
Planning Administrator  
Office of Coastal Protection and Restoration  
State of Louisiana OCPR



Ms. Karen McCormick  
Civil Engineer  
Environmental Protection Agency



Mr. Rick Hartman  
Fishery Biologist  
National Marine and Fisheries Service



Mr. Britt Paul  
Assistant State Conservationist/Water Resources  
Natural Resources Conservation Service

# Planning & Evaluation Committee



Ms. Melanie Goodman  
CWPPRA Program and Senior Project Manager  
U.S. Army Corps of Engineers



Mr. Kevin Roy  
Senior Field Biologist  
U.S. Fish and Wildlife Service



Ms. Kelley Templet  
Coastal Resources Scientist  
State of Louisiana OCPR



Mr. Brad Crawford  
Civil Engineer  
Environmental Protection Agency



Ms. Rachel Sweeney  
Ecologist  
National Marine and Fisheries Service



Mr. John Jurgensen  
Civil Engineer  
Natural Resources Conservation Service

September 2010

## Summary of Organization Structure and Responsibilities

### **1.0 Introduction.**

Section 303(a)(1) of the CWPPRA directs the Secretary of the Army to convene the Louisiana Coastal Wetlands Conservation and Restoration Task Force, to consist of the following members:

- the Secretary of the Army (Chairman)
- the Administrator, Environmental Protection Agency
- the Governor, State of Louisiana
- the Secretary of the Interior
- the Secretary of Agriculture
- the Secretary of Commerce

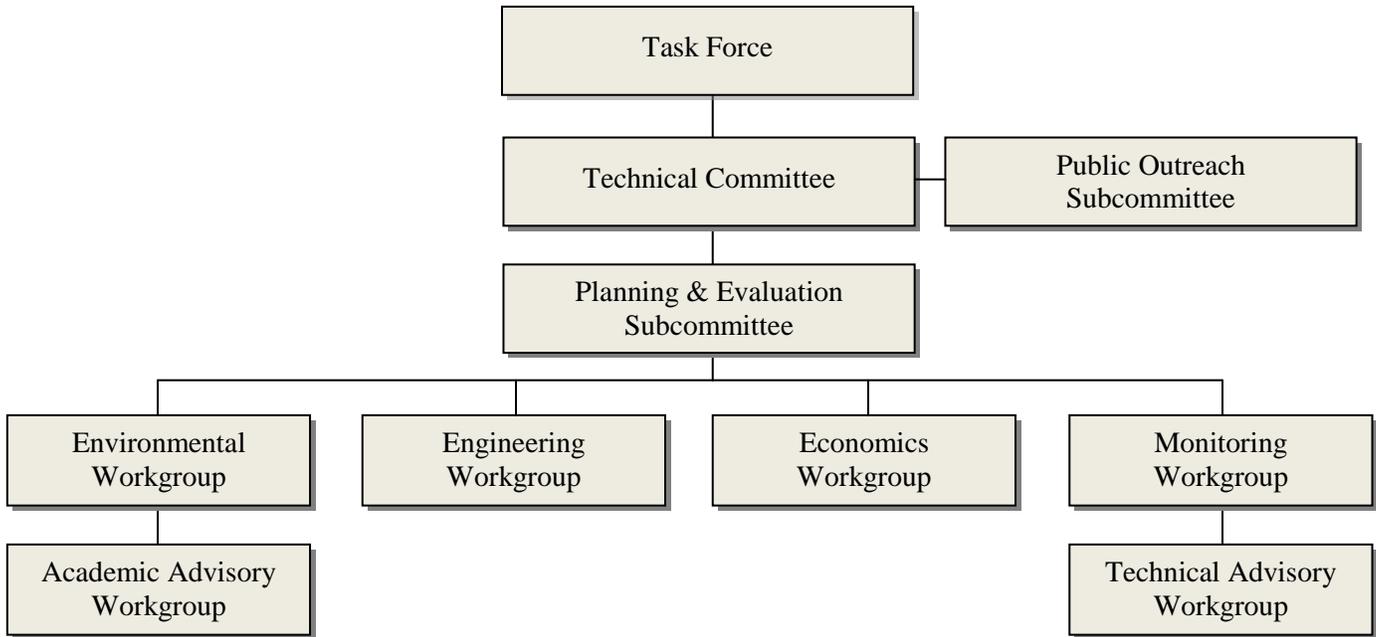
The State of Louisiana is a full voting member of the Task Force except for selection of the Priority Project List [Section 303(a)(2)], as stipulated in President Bush's November 29, 1990, signing statement of the Act. In addition, the State of Louisiana may not serve as a "lead" Task Force member for design and construction of wetlands projects on the priority project list.

In practice, the Task Force members named by the law have delegated their responsibilities to other members of their organizations. For instance, the Secretary of the Army authorized the commander of the New Orleans District, U.S. Army Corps of Engineers, to act in his place as chairman of the Task Force.

A summary is presented of the structure and description of duties of the organizations formed under CWPPRA to manage the program is presented in the following pages.

**COASTAL WETLANDS PLANNING, PROTECTION, AND RESTORATION ACT**

**Figure 1**  
**CWPPRA Organization Structure**



**2.0 Coastal Wetlands Conservation and Restoration Task Force.**

Typically referred to as the "Task Force" (TF), it is comprised of one member of each, respectively, from five Federal Agencies and the Local Cost Share Sponsor, which is the State of Louisiana. The Federal Agencies of CWPPRA: the U.S. Fish & Wildlife Service (USFWS) of the US Department of the Interior, the Natural Resources Conservation Service (NRCS) of the U.S. Department of Agriculture (USDA), the National Marine Fisheries Service of Department of Commerce (USDC), the U.S. Environmental Protection Agency (USEPA), and the U.S. Army Corps of Engineers (USACE). The Governor's Office of the State of Louisiana represents the state on the TF. The TF provides guidance and direction to subordinate organizations of the program through the Technical Committee (TC), which reports to the TF. The TF is charged by the Act to make final decisions concerning issues, policies, and procedures necessary to execute the Program and its projects. The TF makes directives for action to the TC, and the TF makes decisions in consideration of TC recommendations. Table 1 lists the membership of the TF.

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**Table 1**  
**Membership of the Task Force**

<b>Member's Representative</b>	<b>Representative's Contact Information</b>
<u>Secretary of the Army (Chairman)</u> Colonel Edward R. Fleming District Commander TEL (504) 862-2077 FAX (504) 862-1259	U.S. Army Corps of Engineers, New Orleans District Executive Office P.O. Box 60267 New Orleans, LA 70160 edward.r.fleming.col@usace.army.mil
<u>Governor, State of Louisiana</u> Mr. Garret Graves Senior Advisor to the Governor for Coastal Activities Governor's Office of Coastal Activities TEL (225) 342-3968 FAX (225) 342-5214	Capitol Annex 1051 North Third Street, Suite 138 Baton Rouge, LA 70802 garret@la.gov
<u>Administrator, Environmental Protection Agency</u> Mr. William K. Honker Deputy Director, Water Quality Protection Division TEL (214) 665-3187 FAX (214) 665-7373	Environmental Protection Agency, Region 6 Water Quality Protection Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 honker.william@epa.gov
<u>Secretary, Department of the Interior</u> Mr. Jim Boggs Field Supervisor TEL (337) 291-3115 FAX (337) 291-3139	U.S. Fish and Wildlife Service Louisiana Field Office 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 jim_boggs@fws.gov
<u>Secretary, Department of Agriculture</u> Mr. Kevin Norton State Conservationist TEL (318) 473-7751 FAX (318) 473-7682	Natural Resources Conservation Service 3737 Government Street Alexandria, LA 71302 kevin.norton@la.usda.gov
<u>Secretary, Department of Commerce</u> Mr. Christopher Doley Director, NOAA Restoration Center TEL (301) 713-0174 FAX (301) 713-0184	National Oceanic and Atmospheric Administration National Marine Fisheries 1315 East-West Highway, Room 14853 Silver Spring, MD 20910 chris.doley@noaa.gov

The USACE-New Orleans District Commander is the Chairman of the TF. The Chairman leads and sets the agenda for TF action to execute the Program and projects. At the direction of the Chairman, the New Orleans District: (1) provides administration, management, and oversight of the Planning and Construction Programs, and acts as accountant, budgeter, administrator, and disbursing officer of all Federal and non-Federal funds under the Act; and (2) acts as the official manager of financial data and most information relating to the CWPPRA Program and projects. Under the direction of the District Commander, the USACE Project Management-West, Restoration Section functions as lead agency and representatives of the Program.

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**2.1 Technical Committee.**

The TC is established by the TF to provide advice and recommendations for execution of the Program and projects from the following technical perspectives: engineering, environmental, economic, real estate, construction, operation and maintenance, and monitoring. The TC provides guidance and direction to subordinate organizations of the Program through the Planning & Evaluation Subcommittee (P&E). The TC is charged by the TF to consider and shape decision and proposed actions of the P&E, regarding its position on issues, policy, and procedures towards execution of the Program and project. The TC makes directives for action to the P&E, and the TC makes decisions in consideration of the P&E. The TC members are shown in Table 2.

**Table 2**  
**Membership of the Technical Committee**

Member's Representative	Representative's Contact Information
Mr. Tom Holden (Chairman) Deputy District Engineer TEL (504) 862-2204 FAX (504) 862-1259	U.S. Army Corps of Engineers, New Orleans District Office of the Chief P.O. Box 60267 New Orleans, LA 70160 thomas.a.holden@usace.army.mil
Mr. Darryl Clark Senior Field Biologist TEL (337) 291-3111 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd, Suite 400 Lafayette, LA 70506 darryl_clark@fws.gov
Mr. Kirk Rhinehart Planning Administrator TEL (225) 342-2179 FAX (225) 342-1377	Office of Coastal Protection and Restoration State of Louisiana OCPR P.O. Box 44027, Capitol Station Baton Rouge, LA 70804 kirk.rhinehart@la.gov
Mr. Richard Hartman Fishery Biologist Chief, Baton Rouge Field Office TEL (225) 389-0508 x203 FAX (225) 389-0506	National Marine Fisheries Service Military Science Building, Room 266 LSU, South Stadium Drive Baton Rouge, LA 70803 richard.hartman@noaa.gov
Ms. Karen McCormick Section Chief TEL (214) 665-8365 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Marine and Coastal Protection Section (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 mccormick.karen@epamail.epa.gov
Mr. Britt Paul, P.E. Assistant State Conservationist/Water Resources TEL (318) 473-7756 FAX (318) 473-7682	Natural Resources Conservation Service 3737 Government Street Alexandria, LA 71302 britt.paul@la.usda.gov

The USACE-New Orleans Deputy District Engineer is the Chairman of the TC. The Chairman leads and sets the agenda for TC action to make recommendations to the TF for executing the Program and projects. At the direction of the TF Chairman, the TC Chairman guides the management and administrative work charged to the TF Chairman.

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**2.11 Planning and Evaluation Subcommittee.**

The P&E is the working-level committee established by the TC to form and oversee special technical workgroups to assist in developing policies and processes, and recommend procedures for formulating plans and projects to accomplish the goals and mandates of CWPPRA. Table 3 contains a list of the P&E Members.

**Table 3**  
**Membership of the Planning and Evaluation Subcommittee**

<b>P&amp;E Subcommittee Member</b>	<b>Member's Contact Information</b>
Ms. Melanie Goodman (Acting Chairman) Senior Project Manager TEL (504) 862-1940 FAX (504) 862-1892	U.S. Army Corps of Engineers, New Orleans District Projection and Restoration Office, Restoration Branch P.O. Box 60267 New Orleans, LA 70160 melanie.l.goodman@usace.army.mil
Mr. Kevin Roy Senior Field Biologist TEL (337) 291-3120 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 kevin_roy@fws.gov
Mr. Brad Crawford, P.E. Civil Engineer TEL (214) 665-7255 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Water Quality Protection Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 crawford.brad@epa.gov
Mr. John Jurgenson, P.E. Civil Engineer TEL (318) 473-7694 FAX (318) 473-7632	Natural Resources Conservation Service 3737 Government Street Alexandria, LA 73102 john.jurgenson@la.usda.gov
Ms. Kelley Templet Coastal Resources Scientist Supervisor TEL (225) 342-1592 FAX (225) 342-9417	Office of Coastal Protection and Restoration State of Louisiana OCP P.O. Box 44027, Capitol Station Baton Rouge, LA 70804 kelley.templet@la.gov
Ms. Rachel Sweeney Ecologist TEL (225) 389-0508 x206 FAX (225) 389-0506	National Oceanic and Atmospheric Administration National Marine Fisheries Service c/o LSU Baton Rouge, LA 70803 rachel.sweeney@noaa.gov

The seat of the Chairman of the P&E resides with the USACE, New Orleans District. The P&E Chairman leads and sets the agenda for action of the P&E to make recommendations to the TC for executing the Program and projects. At the direction of the TC Chairman, the P&E Chairman executes the management and administrative work directives of the TC and TF Chairs.

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**2.111 Environmental Work Group (EnvWG).**

The EnvWG, under the guidance and direction of the P&E, reviews candidate projects to: (1) suggest any recommended measures and features that should be considered during engineering and design for the achievement/enhancement of wetland benefits; and (2) determine the estimated annualized wetland benefits (Average Annual Habitat Units) of those projects. A list of primary contacts of the EnvWG Members is presented in Table 4.

**Table 4**  
**Membership of the Environmental Workgroup**

EnvWG Member	Member's Contact Information
Mr. Kevin Roy (Chairman) Senior Field Biologist TEL (337) 291-3120 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 kevin_roy@fws.gov
Mr. Nathan Dayan Biologist TEL (504) 862-2530 FAX (504) 862-2088	U.S. Army Corps of Engineers, New Orleans District Environmental Planning and Compliance Branch P.O. Box 60267 New Orleans, LA 70160 nathan.s.dayan@usace.army.mil
Mr. Chris Allen Coastal Resources Scientist TEL (225) 342-4736 FAX (225) 342-9417	Office of Coastal Protection and Restoration State of Louisiana OCP P.O. Box 44027, Capitol Station Baton Rouge, LA 70804 chris.allen@la.gov
Mr. Rob Boustany Wildlife Biologist TEL (337) 291-3067 FAX (337) 291-3085	Natural Resources Conservation Service 646 Cajundome Blvd., Suite 180 Lafayette, LA 70506 ron.boustany@la.usda.gov
Mr. Ken Teague Environmental Scientist TEL (214) 665-6687 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Water Quality Protection Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 teague.kenneth@epamail.epa.gov
Ms. Kimberly Clements Fishery Biologist TEL (225) 389-0508 x204 FAX (225) 389-0506	National Oceanic and Atmospheric Administration National Marine Fisheries Service c/o LSU Baton Rouge, LA 70803 kimberly.clements@noaa.gov

The seat of Chairman of the EnvWG resides with the USFWS. The EnvWG Chairman leads the EnvWG to accomplish its work.

**COASTAL WETLANDS PLANNING, PROTECTION, AND RESTORATION ACT**

**Table 4 (continued)**  
**Membership of the Environmental Work Group**

Other Agency Representatives	Representative's Contact Information
Ms. Angela Trahan Fish and Wildlife Biologist TEL (337) 291-3137 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 angela_trahan@fws.gov
Mr. Patrick Williams Fisheries Biologist TEL (225) 389-0508 x208 FAX (225) 389-0506	National Oceanic and Atmospheric Administration National Marine Fisheries Service c/o LSU Baton Rouge, LA 70803 patrick.williams@noaa.gov
Mr. Robert Dubois Fish and Wildlife Biologist TEL (337) 291-3064 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 robert_dubois@fws.gov
Mr. Troy Mallach Biologist TEL (337) 291-3064 FAX (337) 291-3085	Natural Resources Conservation Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 troy.mallach@la.usda.gov
Ms. Susan Hennington Biologist/Project Manager TEL (504) 862-2504 FAX (504) 862-1892	U.S. Army Corps of Engineers, New Orleans District Projection and Restoration Office, Restoration Branch P.O. Box 60267 New Orleans, LA 70160 susan.m.hennington@usace.army.mil
Mr. Manuel Ruiz Fishery Biologist TEL (225) 765-2373 FAX (225) 765-2489	Louisiana Department of Wildlife and Fisheries P.O. Box 98000 Baton Rouge, LA 70898 mruiz@wlf.louisiana.gov
Mr. Michael Carloss Wildlife Biologist/Coastal Refuges Program Manager TEL (337) 373-0032 FAX (337) 373-0181	Louisiana Department of Wildlife and Fisheries 2415 Darnell Rd. New Iberia, LA 70560 mcarloss@wlf.louisiana.gov
Ms. Kelley Templet Coastal Resources Scientist Supervisor TEL (225) 342-1592 FAX (225) 342-9417	Office of Coastal Protection and Restoration State of Louisiana OCPR P.O. Box 44027, Capitol Station Baton Rouge, LA 70804 kelley.templet@la.gov
Mr. Travis Creel Project Manager TEL (504) 862-1071 FAX (504) 862-1892	U.S. Army Corps of Engineers, New Orleans District Projection and Restoration Office, Restoration Branch P.O. Box 60267 New Orleans, LA 70160 travis.j.creel@usace.army.mil

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**Table 4 (continued)  
Membership of the Environmental Work Group**

Other Agency Representatives	Representative's Contact Information
Ms. Heather Warner-Finley Fishery Biologist/Marine Habitat Program Manager TEL (225) 765-2956 FAX (225) 765-2489	Louisiana Department of Wildlife and Fisheries P.O. Box 98000 Baton Rouge, LA 70898 hfinley@wlf.louisiana.gov
Mr. Ronny Paille Senior Fish and Wildlife Biologist TEL (337) 291-3117 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 ronald_paille@fws.gov
Chris Llewellyn ORISE Intern TEL (214) 665-7239 FAX (214) 665-6689	Environmental Protection Agency, 6WQ-EC 1445 Ross Avenue Dallas, TX 75202 llewellyn.chris@epa.gov

**2.112 Engineering Work Group (EngWG).**

The EngWG, under the guidance and direction of the P&E, provides engineering standards, quality control/assurance, and support for the review and comment of the cost estimates for: engineering, environmental compliance, economic, real estate, construction, construction supervision and inspection, project management, operation and maintenance, and monitoring, of candidate and demonstration projects considered for development, selection, and funding under the Act. A list of the primary contacts for the EngWG is presented in Table 5.

**Table 5  
Membership of the Engineering Work Group**

EngWG Members	Member's Contact Information
Mr. John Petitbon, E.I. (Chairman) Civil Engineer TEL (504) 862-2732 FAX (504) 862-1356	U.S. Army Corps of Engineers, New Orleans District General Engineering Branch – Cost Engineering Section P.O. Box 60267 New Orleans, LA 70160 john.b.petitbon@usace.army.mil
Mr. Rudy Simoneaux, P.E. Civil Engineer TEL (225) 342-6750 FAX (225) 342-6801	Office of Coastal Protection and Restoration State of Louisiana OCPR P.O. Box 44027, Capitol Station Baton Rouge, LA 70804 rudy.simoneaux.la.gov
Mr. Brad Crawford, P.E. Civil Engineer TEL (214) 665-7255 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Water Quality Protection Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 crawford.brad@epa.gov

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**Table 5 (continued)**  
**Membership of the Engineering Work Group**

<b>EngWG Members</b>	<b>Member's Contact Information</b>
Mr. John Jurgenson, P.E. Civil Engineer TEL (318) 473-7694 FAX (318) 473-7632	Natural Resources Conservation Service 3737 Government Street Alexandria, LA 73102 john.jurgenson@la.usda.gov
Mr. Ronny Paille Senior Fish and Wildlife Biologist TEL (337) 291-3117 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 ronald_paille@fws.gov
Mr. Patrick Williams Fisheries Biologist TEL (225) 389-0508 x208 FAX (225) 389-0506	National Oceanic and Atmospheric Administration National Marine Fisheries Service c/o LSU Baton Rouge, LA 70803 patrick.williams@noaa.gov

The EngWG Chairman leads the EngWG in its tasks. The seat of Chairman of the EngWG resides with the USACE New Orleans District.

**Table 5 (continued)**  
**Membership of the Engineering Work Group**

<b>Other Agency Representatives</b>	<b>Representative's Contact Information</b>
Mr. Loland Broussard Civil Engineering TEL (337) 291-3069 FAX (337) 291-3085	Natural Resources Conservation Service 646 Cajundome Blvd., Suite 180 Lafayette, LA 70506 loland.broussard@la.usda.gov
Mr. Bill Waits Agricultural Economist TEL (318) 473-7686 FAX (318) 473-7747	Natural Resources Conservation Service 3737 Government Street Alexandria, LA 73102 bill.waits@la.usda.gov
Mr. Paul Kaspar Environmental Engineer TEL (214) 665-7459 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Marine & Coastal Section (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 kaspar.paul@epamail.epa.gov

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**2.113 Economics Work Group (EcoWG).**

The EcoWG, under the guidance and direction of the P&E, reviews and evaluates candidate projects that have been completely developed, for the purpose of assigning the fully funded first cost of projects, based on the estimated 20-year stream of project costs. A list of primary contacts of the EcoWG Members is presented in Table 6.

**Table 6**  
**Membership of the Economics Work Group**

Other Agency Representatives	Representative's Contact Information
Mr. Matthew Napolitano (Chairman) Economist TEL (504) 862-2445 FAX (504) 862-1299	U.S. Army Corps of Engineers, New Orleans District Economic and Social Analysis Branch P.O. Box 60267 New Orleans, LA 70160 matthew.p.napolitano@usace.army.mil
Mr. Ronny Paille Senior Fish and Wildlife Biologist TEL (337) 291-3117 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd., Suite 400 Lafayette, LA 70506 ronald_paille@fws.gov
Mr. Gary Barone Financial Scientist TEL (301) 713-0174 FAX (301) 713-0184	National Oceanic and Atmospheric Administration National Marine Fisheries 1315 East-West Highway, Room 14853 Silver Spring, MD 20910 gary.barone@noaa.gov

The USACE New Orleans District holds the EcoWG Chairman seat. The EcoWG Chairman leads the EcoWG to complete their evaluations.

**2.114 Monitoring Work Group (MWG).**

The MWG, under the guidance and direction of the P&E, develops standard operating procedures and oversees the development and implementation of field monitoring programs for the CWPPRA program. A list of primary contacts of the MWG Members is presented in Table 7.

**Table 7**  
**Membership of the Monitoring Work Group**

MWG Members	Member's Contact Information
Mr. Todd Folse (Co-Chairman) Coastal Resources Scientist Supervisor TEL (985) 449-4082 FAX (985) 447-0997	Office of Coastal Protection and Restoration 1440 Tiger Drive, Suite B Thibodaux, LA 70301 todd.folse@la.gov
Mr. Greg Steyer (Co-Chairman) Ecologist TEL (225) 578-7201 FAX (225) 578-7478	U.S. Geological Survey (representing USFWS) National Wetlands Research Center P.O. Box 25098 Baton Rouge, LA 70894 gsteyer@usgs.gov

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**Table 7 (continued)**  
**Membership of the Monitoring Work Group**

MWG Members	Member's Contact Information
Mr. Nathan Dayan Biologist TEL (504) 862-2530 FAX (504) 862-2572	U.S. Army Corps of Engineers, New Orleans District Environmental Planning and Compliance Branch P.O. Box 60267 New Orleans, LA 70160 nathan.s.dayan@usace.army.mil
Dr. John D. Foret Wetland Ecologist TEL (337) 291-2109 FAX (337) 291-2106	NOAA Fisheries Service Estuarine Habitats & Coastal Fisheries Center 646 Cajundome Blvd. Lafayette, LA 70506 john.foret@noaa.gov
Mr. Robert Dubois Fish and Wildlife Biologist TEL (337) 291-3127 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd. Lafayette, LA 70506 robert_dubois@fws.gov
Ms. Cindy Steyer Coastal Vegetative Specialist TEL (225) 389-0334 FAX (225) 382-2042	USDA Natural Resources Conservation Service P.O. Box 16030, LSU Baton Rouge, LA 70893 cindy.steyer@la.usda.gov
Mr. Ron Boustany Wildlife Biologist TEL (337) 291-3067 FAX (337) 291-3085	Natural Resources Conservation Service 646 Cajundome Blvd., Suite 180 Lafayette, LA 70506 ron.boustany@la.usda.gov
Ms. Susan Hennington Biologist/Project Manager TEL (504) 862-2504 FAX (504) 862-1892	U.S. Army Corps of Engineers, New Orleans District Projection and Restoration Office, Restoration Branch P.O. Box 60267 New Orleans, LA 70160 susan.m.hennington@usace.army.mil
Mr. Ken Teague Environmental Scientist TEL (214) 665-6687 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Water Quality Protection Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 teague.kenneth@epa.gov

The seats of Co-Chairman of the MWG reside with the Louisiana Department of Natural Resources (LADNR) and the U.S. Geological Survey (USGS). These Chairmen lead the MWG in monitoring program activities.

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**2.1141 Technical Advisory Group (TAG).**

The TAG, under the guidance and direction of the MWG, reviews projects selected and funded for implementation, for the purpose of designing a project-specific monitoring plan to evaluate and report the level of project effectiveness. A list of primary contacts of the TAG Members is presented in Table 8.

**Table 8**  
**Membership of the Technical Advisory Work Group**

TAG Members	Member's Contact Information
Mr. Rick Raynie (Chairman) LACES Chief TEL (225) 342-9436 FAX (225) 342-9417	Office of Coastal Protection and Restoration P.O. Box 44027, Capitol Station Baton Rouge, LA 70804 rickr@dnr.state.la.us
Mr. Greg Steyer Ecologist TEL (225) 578-7201 FAX (225) 578-7478	U.S. Geological Survey (representing USFWS) National Wetlands Research Center P.O. Box 25098 Baton Rouge, LA 70894 gsteyer@usgs.gov
Mr. Nathan Dayan Biologist TEL (504) 862-2530 FAX (504) 862-2572	U.S. Army Corps of Engineers, New Orleans District Environmental Planning and Compliance Branch P.O. Box 60267 New Orleans, LA 70160 nathan.s.dayan@usace.army.mil
Mr. Ken Teague Environmental Scientist TEL (214) 665-6687 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Water Quality Protection Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 teague.kenneth@epa.gov
Ms. Joy Merino Fisheries Biologist TEL (337) 291-2109 FAX (337) 291-2106	U.S. Fish and Wildlife Service 646 Cajundome Blvd. Lafayette, LA 70506 robert_dubois@fws.gov
Mr. Robert Dubois Fish and Wildlife Biologist TEL (337) 291-3127 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd. Lafayette, LA 70506 robert_dubois@fws.gov
Ms. Cindy Steyer Coastal Vegetative Specialist TEL (225) 389-0334 FAX (225) 382-2042	USDA Natural Resources Conservation Service P.O. Box 16030, LSU Baton Rouge, LA 70893 cindy.steyer@la.usda.gov
Mr. Ron Boustany Wildlife Biologist TEL (337) 291-3067 FAX (337) 291-3085	Natural Resources Conservation Service 646 Cajundome Blvd., Suite 180 Lafayette, LA 70506 ron.boustany@la.usda.gov

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**Table 8 (continued)  
Membership of the Technical Advisory Work Group**

<b>TAG Members</b>	<b>Member's Contact Information</b>
Mr. Robert Dubois Fish and Wildlife Biologist TEL (337) 291-3127 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd. Lafayette, LA 70506 robert_dubois@fws.gov
Ms. Cindy Steyer Coastal Vegetative Specialist TEL (225) 389-0334 FAX (225) 382-2042	USDA Natural Resources Conservation Service P.O. Box 16030, LSU Baton Rouge, LA 70893 cindy.steyer@la.usda.gov
Mr. Ron Boustany Wildlife Biologist TEL (337) 291-3067 FAX (337) 291-3085	Natural Resources Conservation Service 646 Cajundome Blvd., Suite 180 Lafayette, LA 70506 ron.boustany@la.usda.gov

The Chairman of the TAG resides with the LADNR. The Chairman leads the TAG in project-specific monitoring activities.

**2.115 Academic Advisory Group (AAG).**

While the agencies sitting on the TF possess considerable expertise regarding Louisiana's coastal wetlands problems, the TF recognized the need to incorporate another invaluable resource: the state's academic community. The TF therefore retained university services to provide scientific advisors to support the Program. A list of primary contacts of the AAG Members is presented in Table 9.

**Table 9  
Academic Advisory Group**

<b>Member's Representative</b>	<b>Representative's Contact Information</b>
Dr. Jenneke Visser (Chairman) Associate Professor TEL (337) 482-6966 FAX (337) 482-5395	Institute for Coastal Ecology and Engineering University of Louisiana at Lafayette Lafayette, LA 70504 jvisser@louisiana.edu
Dr. Larry Rouse Associate Professor TEL (225) 578-2953 FAX (225) 578-2520	Oceanography and Coastal Sciences Energy, Coast and Environmental Building, LSU Baton Rouge, LA 70803 lrouse@lsu.edu
Dr. Charles Sasser Professor of Research TEL (225) 578-6375 FAX (225) 578-6326	School of the Coast and Environment Energy, Coast and Environmental Building, LSU Baton Rouge, LA 70803 csasser@lsu.edu
Mr. Erick Swenson Research Associate TEL (225) 578-2730 FAX (225) 388-6326	Oceanography and Coastal Sciences Energy, Coast and Environmental Building, LSU Baton Rouge, LA 70803 eswenson@lsu.edu

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The AAG, under the guidance and direction of the P&E; provides support during the screening and development, and ranking of candidate and demonstration projects. The AAG works with the EnvWG and MWG in support of their respective work in project development. The AAG also assists the FC in carrying out the feasibility studies authorized by the TF. The AAG Chairman seat, which is traditionally held by a university academic, leads this group in completing their work.

### **2.116 Financial Administration Team.**

The New Orleans District: (1) provides administration, management, and oversight of the Planning and Construction Programs, and acts as accountant, budgeter, administrator, and disbursing officer of all Federal and non-Federal funds under the Act, (2) acts as the official manager of financial data and most information relating to the CWPPRA Program and projects. Under the direction of the District Commander, the Project Management - Restoration Section of the Corps functions as lead agency and representatives of the Program. The list of contacts in the Financial Administration Team is presented in Table 10.

Table 10  
Financial Administration Team

Member's Representative	Representative's Contact Information
Ms. Gay Browning (Lead) Program Analyst TEL (504) 862-2755 FAX (504) 862-1892	U.S. Army Corps of Engineers, New Orleans District Protection and Restoration Office, Restoration Branch P.O. Box 60267 New Orleans, LA 70160 gay.b.browning@usace.army.mil
Mr. Darryl Clark Senior Field Biologist TEL (337) 291-3111 FAX (337) 291-3139	U.S. Fish and Wildlife Service 646 Cajundome Blvd, Suite 400 Lafayette, LA 70506 darryl_clark@fws.gov
Ms. Corlis Green Accountant Manager TEL (225) 342-4509 FAX (225) 242-3398	DNR/Office of Management & Finance P.O. Box 44277 Baton Rouge, LA 70804 corlis.green@la.gov
Mr. Gary Barone TEL (301) 713-0174 FAX (301) 713-0184	NOAA/National Marine Fisheries Service Office of Habitat Conservation Silver Spring, MD 20910 gary.barone@noaa.gov
Ms. Sondra McDonald TEL (214) 665-7187 FAX (214) 665-6490	Environmental Protection Agency, Region 6 Water Quality Management Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 mcdonald.sondra@epamail.epa.gov
Ms. Mitzi Gallipeau Program Assistant TEL (318) 473-7607 FAX (318) 473-7632	Water Resources Staff 3737 Government Street Alexandria, LA 71302 mitzi.gallipeau@la.usda.gov

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### 2.2 Public Outreach Committee (OC).

The OC is comprised of members from the participating Federal agencies, the State of Louisiana, other coastal programs, and non-profit organizations. Only the core group members, representing the CWPPRA entities, are eligible to vote on budget matters. The committee is currently responsible for formulating information strategies and public education initiatives, maintaining a web site of complex technical and educational materials, developing audio-visual presentations, exhibits, publications and news releases, conducting special events and project dedications and groundbreakings. Additionally, the committee represents the TF at expositions and workshops to promote coastal wetlands restoration. A list of primary contacts of the OC Members is presented in Table 11.

Table 11  
Membership of the Public Outreach Committee

OC Members	Member's Contact Information
Mr. Scott Wilson (Chairman) Electronics Engineer TEL (337) 266-8644 FAX (337) 266-8513	United States Geological Survey National Wetlands Research Center 700 Cajundome Blvd. Lafayette, LA 70506 scott_wilson@usgs.gov
Ms. Susan Testroet-Bergeson Education Specialist/Outreach coordinator TEL (337) 266-8623 FAX (337) 266-8595	U.S. Geological Survey National Wetlands Research Center 700 Cajundome Blvd. Lafayette, LA 70506 bergerons@usgs.gov
Ms. Adele Swearingen Public Affairs Specialist TEL (318) 473-7686 FAX (318) 473-7682	U.S. Department of Agriculture, NRCS 3737 Government Street Alexandria, LA 71302 adele.swearingen@la.usda.gov
Dr. Rex Caffey Associate Professor TEL (225) 578-2266 FAX (225) 578-2716	LSU AgCenter and Louisiana Sea Grant Department of Agriculture Economics, Rm 179 Baton Rouge, LA 70803 rcaffey@agcenter.lsu.edu
Ms. Minnie Rojo Environmental Scientist TEL (214) 665-3139 FAX (214) 665-6689	Environmental Protection Agency, Region 6 Water Quality Protection Division (6WQ-EC) 1445 Ross Avenue Dallas, TX 75202 rojo.minerva@epa.gov
Ms. Cheryl Brodnax Marine Fisheries Habitat Specialist TEL (225) 578-7923 FAX (225) 578-7926	NOAA Fisheries Service, LSU Sea Grant Building, Rm 125 Baton Rouge, LA 70803 cheryl.brodnax@noaa.gov
Ms. Kathy Ladner Microcomputer System Specialist TEL (337) 266-8695 FAX (337) 266-8595	USGS National Wetlands Research Center 700 Cajundome Blvd. Lafayette, LA 70506 ladnerk@usgs.gov

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**Table 11 (Continued)**  
**Membership of the Public Outreach Committee**

OC Members	Member's Contact Information
Mr. Steven Peyronnin Communications Director TEL (225) 344-6555 FAX (225) 344-0590	Coalition to Restore Coastal Louisiana 746 Main Street, Suite B-101 Baton Rouge, LA 70802 stevenp@crcl.org
Ms. Rachel Rodi Outreach Manager TEL (504) 862-2587 FAX (504) 862-1724	U.S. Army Corps of Engineers, New Orleans District Public Affairs Office P.O. Box 60267 New Orleans, LA 70160 rachel.rod@usace.army.mil

The Public Outreach Committee performs the functions of communications and public relations for the program on behalf of the TF. The primary function of the OC is to coordinate ongoing and future outreach activities with the CWPPRA agencies and the various partner groups and stakeholders. The OC reports to and takes direction from the TF. Yearly budgetary planning is coordinate with the TC.

The Chairman and coordinator for the OC are located in Lafayette, Louisiana at the USGS National Wetlands Research Center. The Chairman manages OC functions and budgetary issues. The budget allocation for the outreach program is forecasted, submitted for approval, and managed by the Chairman. The Chairman and coordinator manage all outreach activities for the TF. The coordinator position interprets for general audiences the scientific functions and values of wetlands, the scientific causes for Louisiana's coastal land loss, and the various approaches underway or being considered to reduce the land loss rate and create new vegetated wetlands. The outreach coordinator also develops and arranges presentations and provides information material for other officials making public comments as well as providing liaison with local officials and media. The outreach coordinator also manages the educational program, which provides information and materials for classroom use throughout the state. The Chairman and coordinator for outreach serve on local and regional planning efforts and act as the liaisons between the public, parish governments, and the various Federal agencies involved in CWPPRA.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**ADOPTION OF MINUTES FROM THE JUNE 23, 2010 TASK FORCE MEETING**

**For Decision:**

Mr. Tom Holden will present the minutes from the last Task Force meeting. Task Force members may provide suggestions for additional information to be included in the official minutes.

**BREAUX ACT**  
**Coastal Wetlands Planning, Protection and Restoration Act**

**TASK FORCE MEETING**  
**23 June 2010**

**Minutes**

**I. INTRODUCTION**

Colonel Alvin Lee convened the 75<sup>th</sup> meeting of the Louisiana Coastal Wetlands Conservation and Restoration Task Force. The meeting began at 9:40 a.m. on June 23, 2010 at the Estuarine Fisheries and Habitat Center, Conference Room 119, 646 Cajundome Blvd., Lafayette, LA. The agenda is shown as Enclosure 1. The Task Force was created by the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA, commonly known as the Breaux Act), which was signed into law (PL 101-646, Title III) by President George Bush on November 29, 1990.

**II. ATTENDEES**

The attendance record for the Task Force meeting is presented as Enclosure 2. Listed below are the six Task Force members who were present.

Mr. Jim Boggs, U.S. Fish and Wildlife Service (USFWS)  
Mr. Richard Hartman (sitting in for Mr. Christopher Doley), National Marine Fisheries Service (NMFS)  
Mr. Steve Mathies (sitting in for Mr. Garrett Graves), State of Louisiana, Governor's Office of Coastal Activities  
Colonel Alvin Lee, Chairman, U.S. Army Corps of Engineers (USACE)  
Mr. Kevin Norton, Natural Resources Conservation Service (NRCS)  
Mr. William Honker, U.S. Environmental Protection Agency (EPA)

**III. OPENING REMARKS**

Colonel Lee asked the Task Force members to introduce themselves. Mr. Honker then presented Colonel Lee with a Certificate of Commendation for exemplary service from July 2007 to July 2010 on behalf of the Task Force. Mr. Hartman presented Colonel Lee with a NOAA Aggressive Excellence in Restoration Award, Mr. Boggs presented Colonel Lee with an award on behalf of USFWS, and Mr. Norton gave Colonel Lee a gift on behalf of the NRCS.

Colonel Lee gave a few words of thanks and stated that he feels CWPPRA is moving in a positive direction for the future.

Mr. Honker noted that Karen McCormick is the new EPA representative on the CWPPRA Technical Committee.

Colonel Lee reviewed the agenda items and then opened the floor to comments from the Task Force. There were no further comments.

*Mr. Honker and Mr. Boggs made motions to accept the agenda as presented. Mr. Mathies seconded. The motion was passed by the Task Force.*

#### **IV. ADOPTION OF MINUTES FROM JANUARY 20, 2010 TASK FORCE MEETING**

Colonel Lee presented the meeting minutes and then opened the floor to comments from the Task Force. There were no comments.

Colonel Lee called for a motion to adopt the minutes from the January 20, 2010 Task Force meeting.

*Mr. Norton moved to adopt the minutes from the January 20, 2010 Task Force meeting. Mr. Honker seconded. The motion was passed by the Task Force.*

#### **V. TASK FORCE DECISIONS**

##### **A. Agenda Item #10 – Discussion/Decision: Initial Discussion of Fiscal Year 11 (FY11) Planning Budget Development (Process, Size, Funding, etc.)**

Mr. Tom Holden, USACE, explained that at the October 28, 2009 meeting, the Task Force directed the Technical and Outreach Committees to meet and discuss the outreach budget, strategic plan, and to amend the CWPPRA Standard Operating Procedures (SOP) to pass the Outreach Committee budget through the Technical Committee (an approval path similar to that of the Planning and Evaluation (P&E) Subcommittee's budget). The Technical Committee recommended Task Force approval of the following change to the CWPPRA SOP:

##### **Section 6a. (1)(c):**

The responsibilities of the Technical Committee include the annual review of the outreach budget and the Public Outreach Committee's strategic plan. These efforts should be undertaken in conjunction with the review of the planning budget in the fall and winter Technical Committee and Task Force meetings, respectively.

Colonel Lee opened the floor to comments from the Task Force. There were no comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

*Mr. Norton made a motion to accept the Technical Committee's recommendation to change the CWPPRA SOP language as presented. Mr. Honker seconded. The motion was passed by the Task Force.*

Mr. Holden then explained that the Task Force directed the Technical Committee to task the P&E Subcommittee to identify ways to reduce the FY11 planning budget to \$5 million or

less. The P&E Subcommittee was asked by the Technical Committee to produce its FY11 budget based on the following: 1) eliminate the Governor's Office of Coastal Activities (GOCA) planning program funds in FY11, 2) return GOCA FY09 funds and possibly FY10 unexpended funds, 3) eliminate helicopter support, and 4) cancel the Lessons Learned Workshop and replace the Project Priority List (PPL) candidate results public meetings with an e-mail and *Newsflash* notifications. Mr. Holden added that input from the public would be required on item number four, particularly in southwest Louisiana.

Mr. Darryl Clark, USFWS, stated that several individuals in southwest Louisiana have been contacted regarding elimination of the public PPL results meetings and do not have a problem with their elimination.

Mr. Holden continued that there are five other areas being evaluated for budget reduction, which will be reported to the Technical Committee at its September meeting, including: United States Geological Survey (USGS) administrative management, web-based project information systems, core GIS support program, *Watermarks*, and video acquisition. Additionally, the Technical Committee has directed that the agencies maintain a FY11 P&E line-item budget estimate at or below FY10 levels. Mr. Holden then asked for additional guidance from the Task Force.

Mr. Mathies pointed out that final recommendations will be based on the outcome of the outreach strategy discussion and asked if the outreach discussions will then drive the evaluation of the presented budget reduction recommendations. Mr. Holden answered yes, but that it would be helpful if the Task Force could provide guidance.

Colonel Lee clarified that yesterday, the Task Force discussed setting up a strategic vision for CWPPRA and aligning the Outreach Program to support that vision. He added that an executive session will be held before his departure to develop the vision that CWPPRA should take beyond the 20 year mandate and into the future.

Mr. Mathies added that a reevaluation of the overall vision for CWPPRA is needed because items that were true at the Program's inception 20 years ago, may no longer necessarily be the best method. The Program needs to be evaluated on the basis of its current status in relation to other programs and events.

Mr. Honker agreed that outreach is a critical component of the CWPPRA Program and that the future needs to be viewed in terms of opportunities with other projects and events within the Gulf Coast. He stated that CWPPRA must be properly poised to be part of such opportunities. Markers established 20 years ago, such as the \$5 million cap on the planning budget, were from the old legislation and may be unduly constraining the current progress of the Program. He added that this may be an opportunity to revisit such items with Congress.

Colonel Lee opened the floor to comments from the Task Force. There were no comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

Mr. Holden recommended that since the Technical Committee has issued guidance to the P&E Subcommittee regarding budget reduction measures and this discussion will continue at the upcoming executive session strategic meeting, no vote be held at this time, but a fax vote be held after the strategic meeting. Colonel Lee agreed.

**B. Agenda Item #11 - Discussion/Decision: Pending De-authorization of the Brown Lake Hydrologic Restoration Project**

Ms. Melanie Goodman, USACE, reported that the Task Force initiated procedures to de-authorize the Brown Lake Hydrologic Restoration Project at the October 28, 2009 meeting. De-authorization finalization is pending final notice to the congressional delegation and adjacent landowners. After the notice process is complete, a Task Force fax vote can be held for a final decision on the de-authorization.

Colonel Lee opened the floor to comments from the Task Force. There were no comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

**C. Agenda Item #12 – Discussion/Decision: De-authorization of the Lake Borgne/MRGO Shoreline Protection Project**

Ms. Goodman reported that the Task Force initiated procedures to de-authorize the Lake Borgne/Mississippi River Gulf Outlet (MRGO) Shoreline Protection Project at the January 20, 2010 meeting. Notice of the intent to de-authorize was sent to Congress and the State House and Senate Natural Resources Committee chairs of the intent to de-authorize. An email vote was conducted by the Technical Committee to recommend final de-authorization of this project.

Colonel Lee clarified that the reason for this de-authorization is that the Lake Borgne reach was constructed using Hurricane Katrina supplemental funds and the MRGO reach need has been reduced/eliminated by the MRGO closure and is being evaluated under the MRGO Ecosystem Restoration Feasibility Study. Therefore, there is no longer a need for this project.

Colonel Lee opened the floor to comments from the Task Force. There were no comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

*Mr. Boggs and Mr. Honker made motions to approve the Technical Committee recommendation for final de-authorization of the Lake Borgne/MRGO Shoreline Protection Project. Mr. Norton seconded. The motion was passed by the Task Force.*

**VI. INFORMATION**

**A. Agenda Item #3 – Report: Status of Breaux Act Program Funds and Projects**

Ms. Gay Browning, USACE, briefed the Task Force on the status of CWPPRA accounts in the planning and construction programs and overall available and projected funding in the Program.

She began with the planning program current funding. The current approved planning budget is \$5,422,186. There is a current surplus of \$540,804 and clean up of FY09 could return an additional \$1,347,847.

She then discussed the construction program current funding. Total Federal funds into the program are \$962 million. The FY10 work allowance is \$93.6 million. Total obligations to date are \$878 million; FY10 obligations are \$80.5 million; and another \$10 million will be obligated tomorrow. Expenditures to date, both Federal and non-Federal, are \$589.5 million and FY10 expenditures are \$93 million. At present, there are 148 active projects, 85 completed construction, 12 under construction, and 51 not yet started construction. Ten projects are scheduled to begin construction in FY10, four of these have a start date, one should start within the next month, and the five remaining projects are scheduled to begin between now and September; all have funding.

The current unencumbered Federal funding balance as of June 23, 2010 is \$11.8 million, with \$147 million in unobligated funds. There is a potential to get back \$22 million from cleaning up constructed or de-authorized projects, de-obligating those funds. With the FY10 Federal funding of \$79.6 and the expected \$22 million return, there will be \$10.2 million going into the next few months for approvals.

She reviewed the overall funds into the Program (including construction and planning, both Federal and non-Federal) which are \$1.1 billion. The cumulative obligations through June 2010 are \$990.7 million and the unobligated funds are \$147.5 million. Program funds set aside for the projects are \$1.149 billion and the unencumbered funds are negative \$11.8 million.

She then discussed projected funding. The total program funding, Federal and non-Federal with the previous authority, is \$1.2 billion, including \$5 million a year for planning. Based on Department of Interior projections through FY20, the total Program is estimated to be about \$2.3587 billion. The revised June projection should be available in the next couple of weeks. The total cost, at present if all projects were constructed at the current estimates, for all projects on PPL 1 to 19, including planning, is \$2.3813 billion.

Overall funding limits should be considered when approving projects for construction since once a project begins construction, the Program should provide operation and maintenance (O&M) over the 20 year life of the project. PPL 1 to 8 have funding for 20 years already set aside and all cash flow projects starting PPL 9 to present have funds set aside in increments. The total funds into the Program are \$2.3587 billion at present and 20 years of funding required for projects which have been approved for construction is \$1.4023 billion, leaving a gap of \$956.4 million.

Colonel Lee opened the floor to comments from the Task Force. There were no comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

**B. Agenda Item #4 – Report: Public Outreach Committee Report**

Ms. Susan Bergeron, USGS, presented the quarterly Public Outreach Committee Report. The 20<sup>th</sup> Anniversary Dedication Ceremony was held April 8, 2010. She thanked Paula Ouder from the Louisiana Sea Grant for taking photos at that event. The Outreach Program has conducted some legislative education; Ms. Bergeron, accompanied by Mr. Boggs, recently meet with Senator Mary Landrieu to discuss CWPPRA; and personal contact was made with each office related to the outreach event and material is provided as requested. The Outreach Committee suggests that a subcommittee be formed to decide what message the Task Force wants to express for legislative education. She asked for Task Force guidance on direction for the Outreach Committee.

Ms. Bergeron showed that CWPPRA informational materials are sent to various states around the country. She also highlighted recent events, including: an event in Alexandria working with underserved and underrepresented students; the oral history project to collect oral histories in Terrebonne and Lafourche Parishes for catalog in the Historic New Orleans Collection; and final review of the Portfolio of Success which will be rolled out at the commemorative event in the fall.

Ms. Bergeron thanked Task Force members for participating in the State of the Coast and Center for Natural Resource Economics and Policy (CNREP) Conferences. She also explained that the Outreach Committee has been working with PBS New Orleans affiliate WYES on the Bayou Dupont Project. The Outreach Committee is trying to plan next year's media events around construction. She then gave a quick demonstration of the newly designed CWPPRA website.

Colonel Lee opened the floor to comments from the Task Force.

Mr. Hartman asked if the oil spill is shown on the website. Ms. Bergeron answered, yes, to show the oil spill location in relation to CWPPRA projects. Mr. Hartman then asked about the number of hits the website receives. Ms. Bergeron answered, on average 1.8 to 2 million per month.

Colonel Lee expressed his appreciation of the Outreach Committee efforts and added that based on the number of website hits, the internet is the medium that the public now uses and is a really good tool to tell the CWPPRA story.

Mr. Boggs thanked Ms. Bergeron for her efforts.

Colonel Lee opened the floor to comments from the public. There were no comments.

**C. Agenda Item #5 – Report: Selection of Eleven (11) Candidate Projects and Three (3) Demonstration Projects to Evaluate for PPL 20**

Mr. Holden presented the 11 projects and three demonstration projects selected by the Technical Committee at the April 20, 2010 Technical Committee meeting as PPL 20 candidates for Phase 0 analysis as listed in the table below. He clarified that the SOP specifies 10 candidate projects be chosen, but that based on the voting results, the Technical Committee unanimously recommends that all 11 projects be analyzed.

<b>Region</b>	<b>Basin</b>	<b>PPL 20 Nominees</b>
1	Ponchartrain	Bayou Bonfouca Marsh Creation Project
1	Ponchartrain	Unknown Pass to Rigolets Shoreline Protection
2	Mississippi River Delta	Coast-wide Planting Project
2	Breton Sound	Lake Lery Shoreline Marsh Creation
2	Breton Sound	Monsecour Siphon
2	Barataria	Bayou Dupont Sediment Delivery – Marsh Creation 3
2	Barataria	Home Place Marsh Creation
3	Terrebonne	Terrebonne Bay Marsh Creation-Nourishment Project
3	Teche-Vermilion	Cote Blanche Freshwater and Sediment Introduction and Shoreline Protection Project
4	Calcasieu-Sabine	Cameron-Creole Watershed Grand Bayou Marsh Creation
4	Calcasieu-Sabine	Kelso Bayou Marsh Creation and Hydrologic Restoration
Coast-wide	DEMO	Floating Island Environmental Solutions Biohaven©
Coast-wide	DEMO	Ecosystems Wave Attenuator
Coast-wide	DEMO	The Wave Robber Wave Suppressor Sediment Collection System

Colonel Lee opened the floor to comments from the Task Force. There were no comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

#### **D. Agenda Item #6 – Report: Task Force Vote Approvals**

Ms. Goodman reported on the following two recent Task Force fax votes:

a. Scope Change for the CWPPRA Bio-engineered Oyster Reef Demo Project – In March, the Task Force voted to approve a change in project scope to increase the CWPPRA PPL 17 Bio-engineered Oyster Reef Demonstration Project (LA-08) budget as presented by the NMFS and Louisiana Office of Coastal Protection and Restoration (LAOCPR) at the January Task Force meeting.

b. Construction of the CWPPRA Enhancement of Barrier Island Vegetation – In March, the Task Force also voted to approve construction of the CWPPRA PPL 16 Enhancement of Barrier Island Vegetation Demonstration Project (TE-53) as requested by the EPA and the LAOCPR.

Colonel Lee opened the floor to comments from the Task Force. There were no comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

**E. Agenda Item #7 – Report: Preliminary Report on the Monitoring Work Group Review of the Coast-wide Reference Monitoring System (CRMS) and the overall CWPPRA Monitoring Program**

Dr. Jenneke Visser, Academic Advisory Committee (AAC), provided a status update on the programmatic review of CRMS and the overall CWPPRA monitoring program. Dr. Visser summarized the actions (and results) as directed by the Task Force under this review effort. The first action was to find reductions in the CRMS program cost. Dr. Visser stated that statistical analyses show that 390 stations is a bare minimum needed to analyze the coastal region. Future action is to change the analyses to incorporate minimal differences that are biologically significant.

The second action was to evaluate alternatives to improve monitoring input into decision making. The CRMS analysis team is working on the CRMS website to show information from each project in relationship to the reference stations that are appropriate for that project. Meetings with agencies have resulted in no significant suggested changes within project specific monitoring and all changes should be within existing budgets. Future action is to complete agency meetings.

The third action was to identify potential partners and level of support for sharing CRMS funding responsibility. Individuals outside of CWPPRA, in particular the Louisiana Coastal Area (LCA), are using CRMS station data for planning and design. If appropriated for construction, LCA projects could provide a 10 year supplement to the CRMS program and LCA would build more CRMS style stations. The LCA Science and Technology (S&T) Program is another potential source of supplemental support. Future action is to pursue potential contributions from the Coastal Impact Assistance Program (CIAP).

The fourth action was to evaluate the existing level of use by various agencies. While the level of use varies by agency, most use CRMS data for planning, engineering, and design of new projects. There is currently only three years of data, but it is getting close to the point where more project related information will be on the website. Future action is to complete agency interviews.

The CRMS programmatic review report is due at the September Technical Committee meeting, but may be delayed due to oil spill response efforts.

Colonel Lee stated that it would be helpful for the agencies and State if there was a white paper discussing the overall CRMS program. He added that the oil spill has generated many requests regarding restoration and monitoring impacts.

Dr. Visser answered that there is a fact sheet. Mr. Clark added that there is a link available to the CRMS website from the CWPPRA website. Dr. Visser clarified that the fact sheet was only recently completed or may be in the final stages of development, but that she will find out.

Colonel Lee opened the floor to comments from the Task Force.

Mr. Mathies stated that it is heartening to have the CRMS monitoring system for use in management decisions and in light of the oil spill. He explained that usually after an oil spill, there is no baseline information, but in this case, CRMS can provide prior condition information for damage assessment efforts. He added that it seems many groups are using the CRMS data which is positive since the intent of the program was to provide information for better informed management decisions.

Colonel Lee opened the floor to comments from the public. There were no comments.

**F. Agenda Item #8 – Report: Project Update for PPL 11 – River Reintroduction into Maurepas Swamp Project (PO-29)**

Mr. Honker provided a status update on the River Reintroduction into Maurepas Swamp Project as it relates to the Task Force directed Plan Formulation Gap Analysis. A year ago, the Task Force directed that a gap analysis begin to evaluate additional work needed. It has taken the last year to transfer the money back from the State to the USACE to begin the gap analysis, but the analysis should begin soon.

Mr. Mathies added that the State is progressing with the design and wishes to make sure that everything is in compliance with USACE requirements before transfer to the USACE for construction. The gap analysis should be completed within the next 90 to 120 days, which will provide time for any corrective action needed before the transfer.

Colonel Lee clarified that funding from two programs can not be used simultaneously, thus there is a particular timeline for the transfer from CWPPRA to LCA. Additionally, Congress must be given a year advance notice of the transfer. The gap analysis must be completed so notice can be given to Congress and the project can proceed. The transition from CWPPRA to LCA is currently targeted for the first part of FY12.

Colonel Lee opened the floor to comments from the Task Force. There were no further comments.

Colonel Lee opened the floor to comments from the public. There were no comments.

**G. Agenda Item #9 – Report: Status of the PPL 1 – West Bay Sediment Diversion Project (MR-03)**

Mr. Travis Creel, USACE, provided a status update on the West Bay Project, including development of the project closure plan and ongoing modeling work plan effort. The second half

of the 12-month study effort is currently underway. The second phase of the study is to collect more riverine data, address comments received from the peer review team, and further reduce modeling analysis uncertainties. The approved schedule for this effort was six months, but due to the oil spill, the effort will be extended to 10 months.

The closure plan scope of work is currently under development, including the following efforts: identifying and developing preliminary engineering, collection of geotechnical data for design, surveying borrow areas within the Pilottown Anchorage, and surveying the diversion structure and receiving bay. A supplemental environmental assessment (EA) also needs to be developed since the original EA only covers emergency closures.

There are currently three closure options: 1) earthen dike closure in the receiving area, 2) rock closure in the same alignment, or 3) earthen channel closure. The three options need to be evaluated for long-term effective closure and approval by the Mississippi River Commission (MRC). The plan currently includes a channel easement and a dredge disposal easement. If additional easements are required, completion of the closure plan could be extended six to nine months. The project team has discussed oil spill impacts, but are currently planning on the closure as originally directed by the Task Force.

Colonel Lee opened the floor to comments from the Task Force.

Colonel Lee clarified that if additional real estate is required, closure will not occur this year. Mr. Creel agreed. Colonel Lee then stated that two key items to be included in the EA are the possibility of mining rock out of the MRGO jetty, if feasible, and focus on compliance and approval of the closure plan by the MRC.

Mr. Hartman asked when a cost estimate would be available. Mr. Creel responded that the survey and geotechnical data are needed, but that those activities should be completed at the end of the month. However, costs will be dependent on which alternatives are approved by the MRC.

Colonel Lee clarified that preliminary costs for the three alternatives should be available by August. Mr. Creel agreed.

Mr. Honker suggested that this project be added to the October Task Force meeting agenda for status report.

Colonel Lee asked for key milestones. Mr. Creel replied that surveys will be finished in the next month and a half, cost alternatives will be developed in August, design discussions will be held with the MRC, and by October, there should be an idea of when the closure can take place. He added that the rock closure alternative may be able to be constructed during the high water season.

Mr. Mathies asked if any money has been set aside for this closure. Ms. Browning responded that \$50.8 million is the current approved estimate, but that \$17 million needs to be funded. Mr. Mathies cautioned that the three alternatives presented will cost more than \$17

million. Mr. Holden replied that the cost is uncertain until a further level of design is conducted. He added that the money has been accounted for, but monies need to be provided from the available funds as a voting matter in the future.

Mr. Mathies then commented that the key to the closure plan is that after CWPPRA builds the structure, the project is turned over to the MRC for any and all future maintenance. Therefore, the closure design may need to be more robust than an emergency closure.

Mr. Hartman reiterated that the MRC needs to understand the future maintenance responsibilities when they approve a closure design.

Colonel Lee pointed out that recent knowledge from the MRGO closure gives a general understanding of closure costs and that he believes the funding should be sufficient.

Colonel Lee opened the floor to comments from the public. There were no comments.

#### **H. Agenda Item #13 – Discussion: Status and Features of the LCA (Beneficial Use of Dredged Material (BUDMAT) Program**

Mr. Bill Hicks, USACE, provided an overview of the LCA BUDMAT Program, including the process for soliciting candidate beneficial use projects. A decision of record is expected in July of this year and the program will be ready for implementation in FY11. BUDMAT acknowledges the Federal standard (which requires all maintenance activities be conducted in the least-cost, environmentally acceptable manner, consistent with sound engineering practices) and then implements disposal activities that are above the Federal standard. This allows restoration opportunities for projects outside of the Federal standard or complementation of existing ecosystem restoration projects.

BUDMAT is tied to Federally maintained navigation channels. Projects can be nominated if they meet the minimum submittal requirements and nominated projects are then screened through criteria for consideration. It is estimated that out of the nominated projects, three or four will be looked at for design each year. The Continuing Authorities Program (CAP) Section 204 process will be followed for formulating, analyzing, and justifying projects and project management plans will be developed to guide planning and design phases. It is anticipated that these projects will be designed in about a year. After projects are ready for construction, they will be ranked and then recommendations will be made to the program management team. BUDMAT has \$100 million in funding over 10 years, so it is anticipated that approximately \$10 million per year will be available which could fund two to three projects. Projects are already being evaluated for construction in FY11.

Colonel Lee opened the floor to comments from the Task Force.

Colonel Lee asked what the cost share amount is. Mr. Hicks answered, 65% Federal and 35% non-Federal for everything above the Federal standard.

Colonel Lee commented that this is the first of multiple studies wrapping up this year that will go the Assistant Secretary of the Army's (ASA) office with the Office of Management and Budget (OMB) and then to Congress.

Mr. Honker summarized that if the average incremental cost to do BUDMAT for a project is \$4 million and \$10 million is available annually, then two projects can be constructed each year. He then asked if any extra money can carry over from year to year. Mr. Hicks answered, yes the money can carry over, but that there is also a planning and design aspect that is included in the cost. Mr. Honker then asked if planning and design included land rights, acquisition, and whatever else needs to be done in the receiving area. Mr. Hicks agreed.

Mr. Norton pointed out that with the 65/35 cost sharing, three projects could be included under the \$10 million. Mr. Hicks responded that there is no cost cap on projects in BUDMAT.

Mr. Honker asked for the estimated timeframe to complete the design work for a project. Mr. Hicks answered, typically one year.

Mr. Hartman clarified that the USACE will still cover the cost of the Federal standard and that this is just an extra incremental cost.

Mr. Honker asked if actual construction will be conducted in FY11 or just design. Mr. Hicks answered that they are considering existing projects that have been through the design process already for construction in FY11.

Mr. Holden stated that the USACE and the State are looking at having design agreements in place for several projects so that there is no loss of momentum if they are used for BUDMAT. He added that some of these projects are not up for dredging until FY12 or 13, but that they are looking ahead.

Mr. Honker suggested that information as to the status of BUDMAT actions be available when making decisions within CWPPRA so as to utilize opportunities for synergy between the two programs.

Colonel Lee stated that the USACE has a three year dredging program with the State and that they have been looking at opportunities or beneficial use of material before BUDMAT. He suggested linking the Federal agencies into the dredging event meetings and making sure the CWPPRA Task Force is invited so they can be up to speed on dredging events. He added that this coordination should start in the fall since the annual Environmental Dredging Conference is held in May. Mr. Holden responded that the CWPPRA Technical Committee has already been engaged in such matters, but that the Task Force can also be included.

Mr. Clark stated that there are two CWPPRA projects remaining at the Sabine National Wildlife Refuge (Cycles 4 and 5) and suggested that these projects be considered for rollover into BUDMAT. Mr. Boggs added that BUDMAT could also be used to enhance such projects.

Mr. Holden stated that the USACE is already doing this and will continue to look for opportunities to improve results.

Colonel Lee opened the floor to comments from the public. There were no comments.

## **VII. ADDITIONAL AGENDA ITEMS**

Mr. Mathies recognized Mr. Gerry Bodin, a retired employee of USFWS, who guided the CWPPRA Program in its early stages.

## **VIII. REQUEST FOR PUBLIC COMMENTS**

Ms. Albertine Kimble, Coastal Manager for Plaquemines Parish, pointed out that the West Bay Sediment Diversion is positively helping with the oil spill response and that it is a good thing the River is high.

Mr. Chad Courville, with the Miami Corporation, thanked Colonel Lee for his service. He explained that he sent a letter to the Technical Committee in November regarding the PPL 11 Grand Lake Shoreline Protection Project (ME 21a and 21b). After gaining some insight on the progress of the project, he sent another letter in May asking for Task Force action at today's meeting. The project was approved in 2002, was split in 2007 with a portion going through CIAP, at which time there was discussion of approving three years of O&M, but no O&M has been conducted because the project is still waiting to be built. He added that while he appreciates the work that has been done on the cost share agreement between the State and the USACE, in the interim this is a good, non-complicated project that is being held up in the midst of these discussions and debates. He explained that this project is caught in the crossfire and asked if there may be some reasonable alternative to get the project moving because this area continues to experience shoreline erosion. He stated that he is looking for some resolution on this matter in a reasonable timeframe and hopes for some level of comfort that he will not have to make these same comments at this time next year.

Colonel Lee responded that the State and the USACE are trying to get a final resolution on this matter and that he understands there are timing concerns. He added that while there is the bigger issue of cost share agreements that must be addressed, there is a focus to get this project moving and to reach a point where the project can move forward.

Mr. Mathies explained that the impasse between the State and the USACE is the USACE contract hold harmless clause. He added that CWPPRA exists to build projects and help things move more quickly. He stated that the State wants to open its books as to how project money is spent and wishes for the USACE to do the same. He clarified that there are larger global issues here regarding contracts between the State and USACE, but that he appreciates the public's frustration and that they are trying to find a path forward on this project because it is a zero risk, shoreline protection project.

Mr. Courville clarified that he did not intend to chastise anyone, but would like to be kept up to speed on the timeline as things develop in order to get a level of comfort that things are moving forward on this project.

There were no further public comments.

## **IX. CLOSING**

### **A. Announcement: Date of Upcoming CWPPRA Program Meetings**

Ms. Goodman announced that the next Technical Committee meeting will be held on September 22, 2010 at 9:30 a.m. at the Louisiana Department of Wildlife and Fisheries, Louisiana Room, 2000 Quail Drive, Baton Rouge, Louisiana.

### **B. Announcement: Scheduled Dates of Future Program Meetings**

Ms. Goodman also announced that the schedule for upcoming 2010 meetings as follows:

September 22, 2010	9:30 a.m.	Technical Committee	Baton Rouge
October 27, 2010	9:30 a.m.	Task Force	New Orleans
November 16, 2010	7:00 p.m.	PPL 20 Public Meeting	Abbeville
November 17, 2010	7:00 p.m.	PPL 20 Public Meeting	New Orleans
December 1, 2010	9:30 a.m.	Technical Committee	Baton Rouge

The October Task Force meeting will have to be rescheduled and will be coordinated with the Outreach Committee's next dedication ceremony. The PPL 20 public meetings in November are still on the calendar, but elimination of those meetings is one of the cost saving measures currently being analyzed; therefore, these meetings may be canceled.

Colonel Lee asked if there were any closing comments from the Task Force members.

Mr. Norton stated that in the midst of the oil spill, we look for a bright spot, and that from the NRCS perspective, there are many projects moving forward this summer which will provide some success within the CWPPRA Program despite the oil spill. The (TE-34) Penchant Basin notice to proceed is out and the contractors should start work any day; the (BA-41) South Shore of the Pen contract has been awarded, the notice to proceed given this week, and should be under construction; the (TE-39) South Lake DeCade bids are currently being evaluated; the (TV-21) East Marsh Island construction began this week; the GIWW was approved last week and should be awarded shortly; and the (BA-27c) Landbridge 3 and Cameron-Creole Vegetative Planting have been advertised.

### **C. Adjournment**

Colonel Lee called for a motion to adjourn the meeting. Mr. Boggs so moved and Mr. Honker seconded. Colonel Lee adjourned the meeting at 11:40 a.m.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**STATUS OF BREAUX ACT PROGRAM FUNDS AND PROJECTS**

**For Report:**

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

Construction Program Funding Requests for 13 October 2010 Task Force Approval				5 Oct 2010
	Total	TF?	Fed	Non-Fed
<b>1. Funds Available:</b>				
Funds Available, 4 October 2010	(\$11,803,012)		(\$11,803,012)	
FY11 Construction Program Funding [ Estimated Fed \$ 79,620,743 ]	\$79,785,566		\$67,817,731	\$11,967,835
<b>Total</b>	<b>\$67,982,554</b>		<b>\$56,014,719</b>	<b>\$11,967,835</b>
<b>2. Potential Project Funds to be Returned to Construction Program:</b>				
Deauthorized Projects	\$2,000,000		\$1,700,000	\$300,000
Projects Completed Construction	\$20,000,000		\$17,000,000	\$3,000,000
			\$0	\$0
<b>Total</b>	<b>\$22,000,000</b>		<b>\$18,700,000</b>	<b>\$3,300,000</b>
<b>3. Agenda Item 9: Oct 2010 Brown Lake Final Deauthorization Request Approval:</b>				
Brown Lake	\$2,900,000		\$2,465,000	\$435,000
<b>Total</b>	<b>\$2,900,000</b>		<b>\$2,465,000</b>	<b>\$435,000</b>
<b>4. Agenda Item 12a + 12b + 12c: Oct 2010 Monitoring - PPL 9-18 Incremental Funding Requests + PPL 1-8 Estimate Increase Request Approval:</b>				
Multiple Projects	\$37,190		\$31,612	\$5,579
<b>Total</b>	<b>\$37,190</b>		<b>\$31,612</b>	<b>\$5,579</b>
<b>5. Agenda Item 12a + 12b + 12c: Oct 2010 Monitoring - PPL 9-18 Incremental Funding Requests + PPL 1-8 Estimate Increase Request Approval:</b>				
Coastwide Nutria Control Program (LA-03b) [PPL 11]	\$117,442		\$99,826	\$17,616
Grand-White Lakes (ME-19) [PPL 10]	\$20,808		\$17,687	\$3,121
Barataria Basin Landbridge, Phase 3 - CU 3 (BA-27c) [PPL 9]	\$18,435		\$15,670	\$2,765
CRMS	\$10,504,462		\$8,928,793	\$1,575,669
East Mud Lake (CS-20) [PPL 2] <b>Budget Increase = \$ 405,938</b>	\$275,866		\$234,486	\$41,380
<b>Total</b>	<b>\$10,937,013</b>		<b>\$9,296,461</b>	<b>\$1,640,552</b>
<b>6a. Agenda Item 13a: Oct 2010 O&amp;M - PPL 9-18 FY 13 Incremental Funding Request Approval:</b>				
Four Mile Canal (TV-18) [PPL 9] Fed S&A	\$1,000		\$850	\$150
Pass Chaland to Grand Pass (BA-35) [PPL 11] Fed S&A	\$6,665		\$5,665	\$1,000
Coastwide Nutria Control Program (LA-03b) [PPL 11]	\$2,643,309		\$2,246,813	\$396,496
<b>Total</b>	<b>\$2,650,974</b>		<b>\$2,253,328</b>	<b>\$397,646</b>
<b>6b. Agenda Item 13b: Oct 2010 O&amp;M - PPL 1-8 Incremental Funding Request Approval:</b>				
Point au Fer Canal Plugs (TE-22) [PPL 2] Fed S&A	\$2,205		\$1,874	\$331
Lake Chapeau (TE-26) [PPL 3] Fed S&A	\$2,319		\$1,971	\$348
Black Bayou Hyd Rest (CS-27) [PPL 6] Fed S&A	\$6,000		\$5,100	\$900
<b>Total</b>	<b>\$10,524</b>		<b>\$8,945</b>	<b>\$1,579</b>
<b>7. Agenda Item 14: Oct 2010 North Lake Boudreaux Scope Change, Estimate Increase, Funding Request Recommendation:</b>				
North Lake Boudreaux (TE-32a) [PPL 6] <b>Budget Increase = \$13,477,632</b>	\$7,759,019		\$6,983,117	\$775,902
<b>Total</b>	<b>\$7,759,019</b>		<b>\$6,983,117</b>	<b>\$775,902</b>
<b>8. Agenda Item 15: Oct 2010 Bayou Dupont Ridge Request Scope Change and Ph 2 Estimate Increase Approval:</b>				
Bayou Dupont Ridge (BA-48) [PPL 17] <b>Budget Increase = \$ 20,873,233</b>			\$0	\$0
<b>Total</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>9. Agenda Item 16: Oct 2010 Projects Proposed for Deauthorization: Potential Funds to be Returned to Const Program Request Approval:</b>				
South Pecan island FW Intro (ME-23) [PPL 15] [NMFS]	\$420,000		\$357,000	\$63,000
			\$0	\$0
<b>Total</b>	<b>\$420,000</b>		<b>\$357,000</b>	<b>\$63,000</b>

Construction Program Funding Requests for 13 October 2010 Task Force Approval				5 Oct 2010
	Total	TF?	Fed	Non-Fed
<b>Phase II Incr 1: January 2011 Phase II Incr 1 Requests (Construction + 3 years OM&amp;M) [ESTIMATES TO BE UPDATED]</b>				
Sabine Refuge Marsh Creation, Cycle 4 (CS-28-4) [PPL 8] (COE)			\$0	\$0
Sabine Refuge Marsh Creation, Cycle 5 (CS-28-5) [PPL 8] (COE)			\$0	\$0
Freshwater Bayou B.S. - Belle Isle Canal to Lock (TV-11b) [PPL 9] (COE) #6	\$33,411,649		\$28,399,902	\$5,011,747
Ship Shoal: Whiskey Island West Flank Restoration (TE-47) [PPL 11] (EPA) #6	\$57,851,834		\$49,174,059	\$8,677,775
Bayou Dupont Ridge (BA-48) [PPL 17] (NMFS)	\$40,486,119		\$34,413,201	\$6,072,918
<b>Total</b>	<b>\$131,749,602</b>		<b>\$111,987,162</b>	<b>\$19,762,440</b>
<b>(1) Funds Available for Oct 2010 Recommendations</b>				
	<b>\$67,982,554</b>			
<b>(2) Potential Funds to be Returned to Construction Program</b>				
	<b>\$22,000,000</b>			
<b>(3, 4, 5, 6,7,8,9) Proposed Oct 2010 Approvals</b>				
	<b>\$18,074,720</b>			
<b>Oct 2010 Approved Recommendations</b>				
	<b>\$0</b>			
<b>Available Funds Surplus/(Shortage)</b>				
	<b>\$89,982,554</b>			

Planning Program Funding Requests 13 October 2010 Task Force Approval		for	4-Oct-10
	Total Request	TF?	Total Recommended
<b>Funds Available:</b>			
Funds Available, 4 October 2010	\$540,804.00		\$540,804.00
Potential Return of Prior FY Funds	\$80,000.00		\$80,000.00
FY11 Planning Program Funding (anticipated)	\$5,000,000.00		\$5,000,000.00
<b>Total</b>	<b>\$5,620,804.00</b>		<b>\$5,620,804.00</b>
<b>Agenda Item 10: FY11 - Planning Budget (and Outreach Budget) Request Approval:</b>			
P&E Recommended FY11 Planning Budget	\$4,600,273.00		\$0.00
Outreach Committee Recommended FY11 Budget	\$452,400.00		\$452,400.00
<b>Total</b>	<b>\$5,052,673.00</b>		<b>\$452,400.00</b>
<b>FY11 Planning Budget- Additional Requests Not on Agenda Request Approval:</b>			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
<b>Total</b>	<b>\$0.00</b>		<b>\$0.00</b>
<b>Total Remaining Funds in CWPPRA Planning Program</b>			
			<b>\$5,168,404.00</b>

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**OUTREACH COMMITTEE QUARTERLY REPORT**

**For Report:**

Ms. Susan Bergeron will provide the Outreach Committee quarterly report.

**Coastal Wetlands Planning, Protection and Restoration Act  
Public Outreach Committee (POC)  
Report to the CWPPRA Task Force  
June 1 – October 1, 2010**

**REPORTING PERIOD HIGHLIGHTS:**

- *CWPPRA, in partnership with LSU Sea Grant, USGS, and other coastal restoration entities, is beta testing the Louisiana Unified Coastal Calendar (LUCC). The calendar is hosted on the new LaCoast Web site, and provides a central source for listing meetings and events related to Louisiana's wetland loss and coastal restoration efforts.*
- *CWPPRA Public Outreach Committee staff and members planned for the 20<sup>th</sup> Anniversary and Dedication ceremony to be held October 14, 2010 at the USFWS Cameron Prairie National Wildlife Refuge in Bell City, LA.*
- *The CWPPRA Twentieth Anniversary Portfolio entitled: "Partners in Restoration," is currently being printed and is expected to be in our offices by late October 2010. The portfolio is a high quality book that highlights CWPPRA's successes through vivid pictorials of projects in various stages of construction.*
- *The CWPPRA Public Outreach staff continues to work closely with PBS New Orleans affiliate WYES to provide information and video footage for "Reshaping a Greater New Orleans: Rebuilding Our Coast." WYES participated in the April 8<sup>th</sup> ceremony, and would like to tour more projects and continue to learn more about the CWPPRA program for the production of their project.*
- *CWPPRA staff has begun to engage in legislative education with both the state and federal representatives. Staff is also working to create a legislative document that will serve as a companion to the "Partners in Restoration" book and will be a resource for elected officials.*
- *The CWPPRA POC will continue to build support for its projects and other coastal restoration efforts by providing information and support to its partners and stakeholders.*



## Electronic Media / National and International Outreach:

- **LaCoast Web site statistics from June 1, 2010 to October 1, 2010:**
  - ◆ Successful requests: 4,749,057
  - ◆ Successful requests for pages: 1,217,466
  - ◆ Data transferred: 804.86 gigabytes
  - ◆ Average data transferred per day: 6.56 gigabytes
  - Breaux Act Newsflash subscribers: 1,723
  
- **WaterMarks subscribers:** 7,502
  
- **Daily requests and information distributions (06/01/10 -10/01/10)**
  - ◆ Responding to requests for information/material/photos by telephone, email, LaCoast- 153
  - ◆ Breaux Act Newsflashes - 35
  - ◆ LaCoast.gov LUCC posted calendar events- 18  
(Note: That is more than 3X more than last period)

## CWPPRA Public Outreach Committee (POC) Meetings

- ◆ June 16, 2010 attended CWPPRA Public Outreach Committee Meeting in Baton Rouge, LA.
  
- ◆ June 23, 2010 attended and presented at the CWPPRA Task Force in Lafayette, LA.
  
- ◆ July 15, 2010 hosted the CWPPRA Outreach Committee legislative outreach phone conference.
  
- ◆ July 16, 2010 attended and presented at the CWPPRA Task Force vision retreat and planning meeting.
  
- ◆ August 12, 2010 participated in a CWPPRA WaterMarks conference call.
  
- ◆ August 16, 2010 and September 30 CWPPRA Dedication planning conference call.
  
- ◆ August 24, 2010 CWPPRA joint P&E and POC conference call to plan 2011 budget.
  
- ◆ September 8, 2010 met with Andrea Taylor and Chase Melancon from the Governor's Office of Coastal Activities to brief them on the CWPPRA program and outreach activities.



## **Partnerships / Regional Outreach:**

### **Presentations, Exhibits, Workshops, Fieldtrips, Meetings and Conferences:**

- ♦ June 2, 2010, attended Barataria-Terrebonne National Estuary Program Management Conference in Thibodaux, LA.
- ♦ June 8, 9, 10, 2010 exhibited and attended the State of the Coast conference held in Baton Rouge, LA
- ♦ June 22, 2010 attended and helped host the Louisiana Environmental Education Commissions Art and Language Arts Award Ceremony at the Governor's mansion in Baton Rouge, LA.
- ♦ June 30, 2010 conference call with Louisiana Sea Grant's Katie Lea to discuss the coastal Louisiana LUCC Calendar.
- ♦ July 2, 2010. Worked with Janice Valverde, reporter with the Bureau of National Affairs Daily Environment Report who inquired about how the Natural Resource Damage Assessment that will be conducted in the Gulf as a result of the oil spill. Referred her to contacts in NOAA, the Louisiana Oil Spill Coordinator's Office, and the Louisiana Governor's Office.
- ♦ July 6, 2010 met with Katie Lea Louisiana Sea Grant to design users' manual for new calendar and discussed an over site committee for the calendar.
- ♦ July 7, 2010. Worked with Dana Farrington, digital news intern with National Public Radio, who asked about basic information on Louisiana's coastal land loss and possible relationships between land loss and the oil and gas industry. Sent her links to six online information products.
- ♦ July 13, 2010 attended and helped facilitate the Louisiana Environmental Literacy Plan program with the EEC and NAAEE.
- ♦ July 20, 2010 traveled to Simmsport to visit Old River Control Structure with UNO PIES group and discussed CWPPRA projects.
- ♦ July 23, 2010 present for Lafourche Parish Math Science Partnership teacher training at USGS/ NWRC.
- ♦ July 26, 2010 traveled with David Guilbeau to the Atchafalaya Welcome Center to meet with Tim Rush, AWC supervisor, to discuss partnering opportunities and identify the problem with the CWPPRA kiosk.



- ♦ August 3- 5, 2010 GOMA – Gulf of Mexico All Hands Meeting Biloxi, MS. Participated in the Environmental Education Network group.
- ♦ August 10, 2010 Louisiana Environmental Education Commission meeting.
- ♦ August 18, 2010 LUCC participated in a LUCC calendar meeting.
- ♦ August 19, 2010 conference call with WYES to discuss documentary on coastal land loss and restoration.
- ♦ August 25, 2010 met with Environmental Education Commission Coordinator to discuss plans for upcoming symposium
- ♦ August 26, 2010 met with Jim Fields to discuss a plan for CWPPRA videos and met with Leslie Suazo, Terrebonne Parish Coastal Zone Manager
- ♦ August 27, 2010 met with the Historic New Orleans Collection staff and National Park Service staff to plan an extension for the oral history project.
- ♦ September 1, 2010 attended the Barataria-Terrebonne National Estuary Program Management Conference meeting.
- ♦ September 7, 2010 attended and participated in the Louisiana Environmental Literacy Plan under the direction of Dr. Nancy Rabalais from LUMCON.
- ♦ September 9, 2010 phone conference with consultant Mindy Meyer on the new CWPPRA outreach video shorts.
- ♦ September 21, 2010 met with Louisiana Representative Joe Harrison to provide a briefing on the CWPPRA program.
- ♦ September 22, 2010 traveled to the Cameron Creole National Wildlife Refuge to plan for the October 14<sup>th</sup> CWPPRA dedication event. Also toured field session site.
- ♦ September 25, 2010 exhibited and highlighted the Coastwide Nutria Control Program at the National Hunting and Fishing Day in Woodworth.
- ♦ September 28, 2010 presented budget the CWPPRA Technical Committee meeting.



- **Partnerships:**
  - **Ongoing:**
    - ♦ Louisiana EEC
    - ♦ Historic New Orleans Collection
    - ♦ LSU Sea Grant
    - ♦ BTNEP Education Action Plan
    - ♦ GOMA Environmental Education Network
    - ♦ GOMA Public Relations and Legislative Education Subcommittees
  
- **Placement of kiosks:**
  - ♦ 10/01/05 - present     Atchafalaya Welcome Center on I-10  
Kiosk is currently being repaired a new computer was bought and is being reprogrammed.
  - ♦ 12/21/06 - present     Audubon Zoo (Education Center), New Orleans  
Plan to visit the zoo in late October to give CWPPRA display a new look.
  - ♦ 01/05/07 - present     Sci-Port, Shreveport
  
- **Placement of CWPPRA Educational Materials/Publications**
  - ♦ NOAA, Baton Rouge, LA
  - ♦ Coalition to Restore Coastal Louisiana, Baton Rouge, LA
  - ♦ LSU Ag Economics Bldg., Baton Rouge, LA
  - ♦ EPA, Dallas, TX
  - ♦ NOAA, National Marine Fisheries, Silver Spring, MD
  - ♦ BTNEP, Thibodaux, LA
  - ♦ Koupal Communications, Pierre, SD
  - ♦ Louisiana Sea Grant College Program, Baton Rouge, LA
  - ♦ LSU Educational Theory, Policy and Practice, Baton Rouge, LA
  - ♦ Pontchartrain Institute for Environmental Sciences, New Orleans, LA
  - ♦ CCA Louisiana, Baton Rouge, LA
  - ♦ CCA, Livingston, LA
  - ♦ CCA, Lake Charles, LA
  - ♦ U.S. Fish and Wildlife Service, Lafayette, LA
  - ♦ Audubon Zoo, New Orleans, LA
  - ♦ USGS National Wetlands Research Center, Lafayette, LA
  - ♦ Louisiana Department of Wildlife and Fisheries, Lafayette, LA
  - ♦ Lafourche Parish Tourist Commission, Raceland, LA
  - ♦ For the Bayou, Inc., Mill Valley, CA



**Upcoming Workshops, Trainings, Presentations, and Meetings:**

- 10/14/2010 CWPPRA 20<sup>th</sup> Anniversary Dedication SE LA
- 10/16/2010 USFWS Wild Things at Big Branch in Lacombe, LA
- 10/19/2010 Deltas 2010
- 10/23/2010 2010 Scout Fall Encampment
- 10/26/2010 Audubon Zoo – CWPPRA Face lift Planning Meeting
- 11/4-6/2010 LSTA Convention
- 11/09/2010 Ocean Commotion
- 11/10/2010 Louisiana Environmental Education Commission Meeting
- 11/15-17/2010 Restore America’s Estuaries
- 12/08/2010 CWPPRA Technical Committee meeting
- 12/15/2010 BTNEP Management Conference meeting
- 2/11-12/2011 Louisiana Environmental Education Symposium
- 2/11/2011 Joint field session with USACE for Environmental Science Teachers to discuss river dynamics starting at Old River Control Structure



## Media Coverage Referencing LaCoast, CWPPRA or CWPPRA Projects

Date	Title of Article	Source of Articles	Author
9/30/10	Restoring Ecological Function to a Submerged Salt Marsh	<a href="#">Restoration Ecology Journal St. Tammany</a>	Camille L. Stagg and Irving A. Mendelssohn
9/29/10	Marsh replanting part of awareness day	<a href="#">News</a>	Debbie Glover
9/28/10	Shoreline restoration project gets \$30.7 million	<a href="#">DailyComet.com</a>	Nikki Buskey
9/26/10	Nutria tail-bounty program seems to be paying off	<a href="#">NOLA.com</a>	Jennifer Boquet
9/25/10	Interior Secretary Ken Salazar surprises volunteer marsh grass planters with visit	<a href="#">NOLA.com</a>	Kari Dequine
9/23/10	MR-GO ecosystem restoration delayed by financing dispute	<a href="#">NOLA.com</a>	Mark Schleifstein
9/20/10	Barrier berm advocates not deterred by environmental regulators' misgivings	<a href="#">NOLA.com</a>	Mark Schleifstein
9/16/10	Groups develop plans to study damage from oil leak in Gulf	<a href="#">NOLA.com</a>	Mark Schleifstein
9/16/10	Corps of Engineers levee armoring plans have state officials concerned	<a href="#">The Advocate</a>	Amy Wold
9/13/10	Sen. Mary Landrieu, Rep. Steve Scalise unite behind coastal restoration strategy	<a href="#">NOLA.com</a>	Mark Schleifstein
9/12/10	Estuary program harnessing donations to help birds	<a href="#">DailyComet.com</a>	Nikki Buskey
8/22/10	Most Terrebonne islands likely cut from project	<a href="#">DailyComet.com</a>	Nikki Buskey
8/19/10	Coastal Zone may change	<a href="#">The Advocate</a>	Amy Wold
8/19/10	Sand berm defense against oil from Gulf of Mexico spill gets \$60 million financing installment	<a href="#">NOLA.com</a>	Mark Schleifstein
8/18/10	Louisiana gets USD 31.3 mln for restoration and growth	Fish Information & Services	
8/9/10	Gulf Coast restoration efforts linked to oil recovery	<a href="#">DailyComet.com</a>	Jeremy Alford
8/6/10	Gulf recovery chief hears local concerns	<a href="#">DailyComet.com</a>	Nikki Buskey
8/6/10	Oil spill enters new phase: restoring the Gulf, learning from the disaster	<a href="#">NOLA.com</a>	Mark Schleifstein
7/28/10	Tallying BP's spill for Gulf of Mexico oil spill could take a decade	<a href="#">NOLA.com</a>	Mark Schleifstein
7/27/10	Groups seek coastal restoration commitment	<a href="#">The Advocate</a>	Amy Wold
7/20/10	Shrinking coast, expanding oil: shrimpers clean spill	<a href="#">NPR.org</a>	Debbie Elliot
7/16/10	Coastal Restoration master plan being updated	<a href="#">NOLA.com</a>	Mark Schleifstein
7/8/10	Feds promise coastal restoration	<a href="#">HoumaToday.com</a>	Nikki Buskey
6/16/10	Gulf Coast welcomes Obama's pledge to restore land	<a href="#">The Mercury News</a>	Cain Burdeau
6/11/10	What's next? Officials debate future of coast	<a href="#">DailyComet.com</a>	Nikki Buskey
6/11/10	Sand berm construction set to begin to block oil from Gulf of Mexico spill	<a href="#">NOLA.com</a>	Mark Schleifstein
6/10/10	Coastal advocates say spill could spur restoration	<a href="#">DailyComet.com</a>	Nikki Buskey
6/4/10	Pelicans, Back from Brink of Extinction, Face oil threat	<a href="#">The New York Times</a>	John Collins Rudolf

###



# CWPPRA Public Outreach

## Overview of Recent Activities

October 14, 2010 CWPPRA Task Force Meeting



## New CWPPRA Calendar – Lucc Louisiana Unified Coastal Community Calendar

There were  
**4,749,057**  
Web requests  
for this 4 month  
period.



## Calendar provides summary of event

The screenshot shows a calendar grid with a pop-up window for an event. The event details are as follows:

- Event Title:** DELTA2010: World Delta Dialogue
- Start Date:** Oct 17 2010 09:00 am
- End Date:** Oct 20 2010 05:00 pm
- Event Type:** Conference
- Description:** DELTA2010 is a four-day, hands-on conference focused on designing sustainable development, restoration and protection scenarios for world deltaic regions, using the setting of the Mississippi Delta as the focus for the discussion. To register visit [www.deltas2010.com](http://www.deltas2010.com)
- Action:** View



The screenshot shows the full event page on the CWPPRA website. The page includes the following sections:

- Header:** CWPPRA COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT and Sea Grant LOUISIANA.
- Navigation:** CWPPRA Home, Calendar, Upcoming Events, About.
- Event Title:** DELTA2010: World Delta Dialogue
- Description:** DELTA2010 is a four-day, hands-on conference focused on designing sustainable development, restoration and protection scenarios for world deltaic regions, using the setting of the Mississippi Delta as the focus for the discussion. To register visit [www.deltas2010.com](http://www.deltas2010.com)
- Dates:** Start Date: 10/17/2010 9:00:00 AM, End Date: 10/20/2010 5:00:00 PM
- Location:**
  - Name: Ritz Carlton Hotel
  - Address: 821 Canal Street
  - City: New Orleans
  - State: LA
  - Zip Code: 70112
- Map:** A map showing the location of the Ritz Carlton Hotel in New Orleans, Louisiana.
- Web Links:**
  - America's WETLAND Foundation
  - DELTA2010: World Delta Dialogues
- Register:**
  - Cost: \$0.00
  - Deadline: 8/27/2010
  - URL: <http://www.deltas2010.com/register.php>
- America's WETLAND FOUNDATION:**
  - Organization: America's WETLAND
  - Website: [www.americaswetland.com](http://www.americaswetland.com)
  - Description: The America's WETLAND Foundation is a non-partisan, non-profit organization that has acted as a neutral arbiter for coastal interests since its inception in 2002, elevating issues facing the Gulf Coast, specifically those of coastal land loss, to regional and national attention.
  - Contact: Karen Gallagher, Project Manager, [kg@mwpp.com](mailto:kg@mwpp.com), 202-387-8550
  - Additional Sponsors: No Additional sponsors found for this event.



## Current Partners:

- America's WETLAND
- Barataria-Terrebonne National Estuary Program
- Baton Rouge Geological Society
- CWPPRA - Coastal Wetlands Planning, Protection and Restoration Act
- Governor's Office of Coastal Activities
- Gulf of Mexico Alliance
- Louisiana Department of Wildlife and Fisheries
- Louisiana Environmental Education Commission
- Louisiana Sea Grant
- LUMCON - Louisiana Universities Marine Consortium
- U.S. Army Corps of Engineers, Team New Orleans
- USDA Natural Resources Conservation Service



## Education Outreach Louisiana Math Science Partnership



Susan,



I spoke to a teacher in my MSP Sunday and she said that she never knew that you all existed and learned a tremendous amount of information. She indicated that the trip was well worth the time and effort. She was also excited to know that she will be able to help you  
..... Shannon Lafont



# National Hunting and Fishing Day

- Woodworth, Louisiana
- Family Event
- Coastwide Nutria Control Program
- Invasive Species – Shoot Out

**Kids**  
**Adults**  
**TOTAL**

**1197**  
**964**  
**2161**

**One of Louisiana's Most Wanted Invasive Species**  
**Who am I?**



Learn more about the Coastwide Nutria Control Program at [www.LifeLine.gov](http://www.LifeLine.gov) or [www.Nutria.com](http://www.Nutria.com)



**thetowntalk.com**  
Find what you are looking for

Home News Sports Health & Wellness Outdoors Business Psychology Relationships High School Sports Local Business LC Politics LSU Baseball LSU Football LSU Tigers New Orleans

**More than 1,100 children have fun at Hunting and Fishing Day in Woodworth**

Attendance at annual event down slightly, state wildlife officials say

SEPTEMBER 11, 2010

By Phil Timothy  
For the Town Talk  
WOODWORTH — The 3-year-old aqueduct as he touched the tail of a baby alligator, while a young girl stood quietly staring in amazement at the net-net hawk.

A little boy couldn't figure out which eye to close as he took aim with the 22-caliber rifle, a 12-year-old girl giggled and covered her mouth after she threw her lead weight over a tree limb at the casting event.

Learn the secrets that catch

**Nutria**  
*Myocastor coarctatus*

This animal lives in the marsh. It was introduced from South America. It was brought in to help agriculture for the industry.

They're the nutria eat without plant roots and on top of the marsh of Lake Jean in Louisiana. When nutria eat the marsh, the plants die and the soil around the plant erodes.

What can we do to get rid of nutria?  
Nutria can be hunted for their fur or meat.

NRCS through the Louisiana Department of Wildlife and Fisheries pay bounties \$5 for each nutria tail. The most apply to purchase.

## Upcoming Publication

Portfolio  
of  
Success

**CWWPPRA**  
Coastal Wetlands and Waterways Planning and Restoration Authority

*Partners in Restoration*



Sent to printer waiting for delivery



# CWPPRA 20<sup>th</sup> Anniversary Event TOMORROW!

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

## CWPPRA 20<sup>TH</sup> ANNIVERSARY CEREMONY FOR SOUTHWEST LOUISIANA

A RENEWED CALL TO ACTION

OCTOBER 14, 2010



10:00 AM  
CAMERON PRAIRIE NATIONAL WILDLIFE REFUGE  
1428 HIGHWAY 27  
BELL CITY, LOUISIANA 70360

### HIGHLIGHTED PROJECTS

- ATCHAFALAYA SEDIMENT DELIVERY (AT-02) NMFS/OCPR
- EAST MUD LAKE MARSH MANAGEMENT (CS-20) NRCS/OCPR
- BLACK BAYOU HYDROLOGIC RESTORATION (CS-27) NMFS/OCPR
- SABINE REFUGE MARSH CREATION, CYCLES 1, 2, 3 (CS-28-1-3) USACE/USFWS/OCPR
- EAST SABINE LAKE HYDROLOGIC RESTORATION (CS-32) USFWS/NRCS/OCPR
- PECAN ISLAND TERRACING (ME-14) NMFS/OCPR
- FRESHWATER INTRODUCTION SOUTH OF HIGHWAY 82 (ME-16) USFWS/OCPR
- GRAND - WHITE LAKE LANDBRIDGE PROTECTION (ME-19) USFWS/OCPR
- LITTLE VERMILION BAY SEDIMENT TRAPPING (TV-12) NMFS/OCPR
- OAKS/AVERY CANAL HYDROLOGIC RESTORATION (TV-13A) NRCS/OCPR
- EAST MARSH ISLAND MARSH CREATION (TV-21) EPA/NRCS/OCPR



### DIRECTIONS TO CAMERON PRAIRIE NATIONAL WILDLIFE REFUGE, 1428 HIGHWAY 27, BELL CITY, LOUISIANA



- TAKE EXIT 36 (HWY 397 SOUTH) OFF OF I-10, EAST OF LAKE CHARLES.
- FOLLOW HWY 397 SOUTH 8 MILES.
- TURN LEFT AT THE STOP SIGN ON HWY 14.
- FOLLOW HIGHWAY 14 TO HOLMWOOD, LOUISIANA.
- WHERE HWY 14 TURNS LEFT, CONTINUE STRAIGHT ONTO HWY 27.
- FROM THIS POINT THE REFUGE HEADQUARTERS IS LOCATED 11 MILES SOUTH ON THE RIGHT HAND SIDE.

OUTDOOR ATTIRE IS RECOMMENDED

[www.LaCoast.gov](http://www.LaCoast.gov)

i CWPPRA 20th Anniversary  
A Renewed Call to Action

Join us in celebrating 20 years of active Louisiana coastal restoration and protection.

October 14, 2010; 10AM to 1PM  
USFWS Cameron Prairie NWR  
1428 Hwy 27, Bell City, LA 70360

Invitation (PDF 199KB)  
*Please RSVP*

## Cameron Creole NWR





When one tugs at a single thing in nature,  
he finds it attached to the rest of the world.  
~John Muir



For additional information contact:

Susan Testroet-Bergeron  
[BergeronS@usgs.gov](mailto:BergeronS@usgs.gov)  
337-266-8623



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**FINAL REPORT OF THE MONITORING WORK GROUP REVIEW OF CRMS AND  
THE OVERALL CWPPRA MONITORING PROGRAM**

**For Report:**

Dr. John Foret will provide a status on the programmatic review of CRMS and the overall CWPPRA Monitoring program.

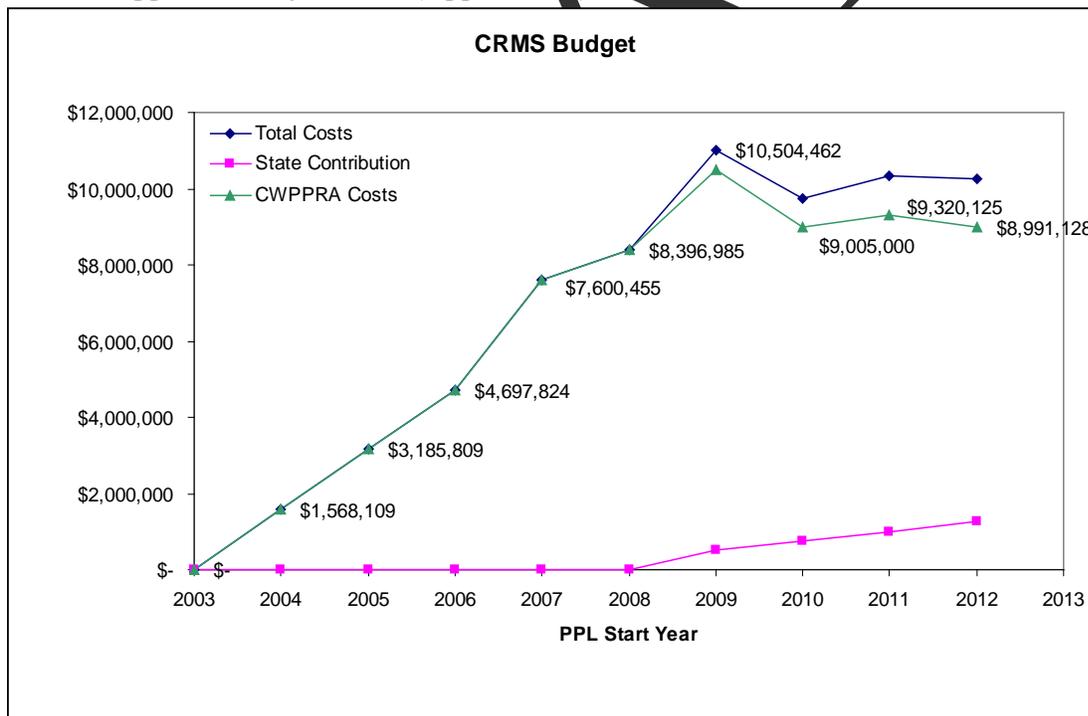
## CWPPRA Monitoring Program Review Report

During the Fall 2009 Technical Committee (TC) and Task Force (TF) meetings, there was much discussion regarding the CWPPRA, Coast-wide Reference Monitoring System (CRMS) effort. Concern were primarily related to: 1) the significant increase in the overall cost of the CRMS program; 2) a perception that CRMS was not providing project-specific monitoring information that would assist in the decision-making process supporting requests for operations and maintenance funding; and 3) other likely sources of funds to support CRMS were not providing such funding.

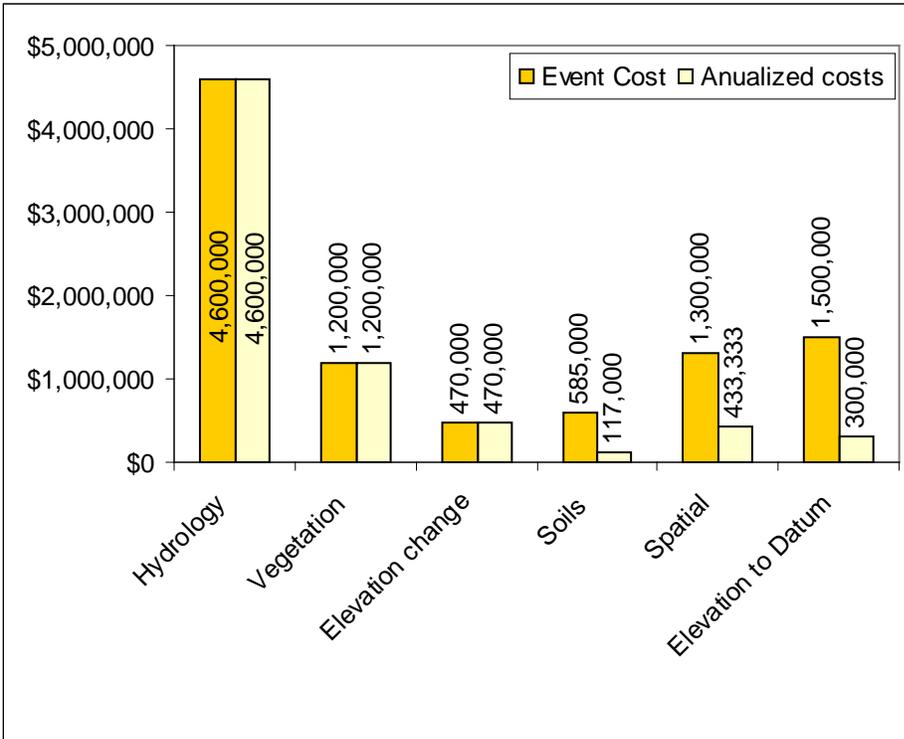
The Monitoring Working Group and the Academic Advisory Group were charged with evaluating CRMS with a detailed plan of work provided by the TC. Below is a summary of the findings. Details of this extensive evaluation are provided in Appendices.

### **Action 1: Determine if there are potential programmatic cost savings by reducing the frequency of some monitoring efforts, reducing stations, etc.**

The monitoring program and its cost have steadily increased as the CWPPRA program has expanded. Before CRMS cost of the monitoring was capped at 8.8% of the project costs. If the costs of project specific monitoring were calculated out to 2019, the program costs ranges from \$121 to \$160 M depending on what “project costs” are used; i.e. Federal only, or Federal and State. If the current CRMS costs were extrapolated from 2013 out to 2019, the program costs would be approximately \$117M (Appendix A).



#### 1.a. Cost of different monitoring elements.



Hydrologic measurements are the most expensive of all the monitoring elements.

#### 1.b. Optimization of monitoring elements.

The Academic Advisory Group concluded that all monitoring elements are needed for scientific evaluation of CWPPRA project and program performance.

Elevation surveys - Presently elevations at CRMS sites are maintained using the secondary benchmark system. Seventy-one secondary benchmarks were installed specifically for CRMS sites. The GULFNet System, which utilizes established fix-base stations for delivering differential corrections and elevations via cell phone may provide costs savings to the program. Savings may be realized with reduction in labor costs as no base setup is required. In addition, the number of secondary benchmarks required for servicing CRMS sites would be reduced considerably. Testing of the GULFNet System is ongoing. This may translate in a cost savings without reducing the quality of the data.

#### 1.c. Optimization of number of CRMS sites.

The 297 annually sampled stations are a reduction from the 700 stations using a rotational design, which were derived based on extensive statistical analyses by the CRMS design team. Additional statistical analysis (Appendix B) revealed that this number is a bare minimum for evaluation of the CWPPRA projects and overall program.

The CRMS stations were randomly selected from the coastwide vegetation survey stations. These coastwide survey stations are located along transect lines that are used by the Louisiana Department of Wildlife and Fisheries to collect wildlife data (e.g. wintering waterfowl, nutria

damage, alligator nests). Also data on the vegetation on these transects goes back several decades and add to the overall knowledge of the trends observed at the stations. Some of the randomly selected CRMS stations have already been moved to new randomly selected vegetation survey stations due to accessibility (e.g. landowner permits). Moving a CRMS station so that it falls within a Project site is not recommended. This will mean that any data from the station before movement becomes unavailable for long-term trends. Adding CRMS stations to a project can assist with the evaluation of that specific project. Where possible, points should be selected from the vegetation survey stations. Only if none of these occur within the project area a new point should be established. The selection of the new CRMS project site should be randomly selected from all the 1 km<sup>2</sup> cells in the project area.

**Action 2: Evaluate alternatives to improve monitoring input into decision-making. By CWPPRA project, determine if current data collection is adequate to determine if the project has met, or is on a trajectory toward meeting, its goals so that the decision making process can be an informed one. Where data collection is inadequate for that purpose, identify and evaluate alternatives to remedy that shortcoming.**

2a. Identify CRMS sites located in each CWPPRA project.

Of the 119 non-barrier island CWPPRA projects that have either been constructed, or on the books to be constructed, 108 (91.5%) have CRMS stations located within the project boundary, or within 1 km of the project boundary. The 1 km buffer around each project boundary was selected because of the land to water analysis conducted at each CRMS site encompasses 1 km<sup>2</sup>. This is especially applicable to shoreline protection projects, which have a relatively small and linear foot print not easily captured in a CRMS stations. Most shoreline protection projects include project specific monitoring of shoreline position.

2b. Determine adequacy of monitoring

Of 73 constructed non-barrier island projects reviewed, 52 projects are monitored adequately to determine if the project is meeting its goals (71%). A small portion of these projects will require cost estimates to evaluate CRMS photography for land/water. Additional monitoring is necessary on 13 projects. OCPR and the federal sponsor will schedule future meetings to revise the monitoring plan, some pending the results of data analysis presented in OM&M reports. (Appendix C)

	# Constructed Projects Non Barrier Island	Monitoring Adequate	Monitoring inadequate	Not determined
NMFS	13	9	2	2
NRCS	32	21	7	4
USFWS	17	12	4	1
USACOE	11	10	0	1
EPA*	Meeting with OCPR scheduled (Information included in Final Report)			
ALL	73	52	13	8

Should any additional monitoring be added, it is further recommended that those elements be vetted through the Academic Advisory Group and Monitoring Work Group.

### **Action 3: Identify potential partners and level of support for sharing of CRMS funding responsibility.**

There are six USACE projects through the draft monitoring/adaptive management process for the Louisiana Coastal Area (LCA) program. If appropriated for construction, this could be a 10-year supplement to the CRMS program. In addition, more CRMS style stations would be built by LCA. Also, the LCA Science and Technology office could be another source of supplemental support, as soon as the State enters into a cost share agreement, could be as high as \$1M annually for 10 years.

Other sources identified were the Coastal Impact Assistance Program, the Outer Continental Shelf Program, and LACPR.

The OCPD has made a commitment to provide additional funding above the state's cost share in the next five years (see action item 1).

### **Action 4: Evaluate existing level of use by various agencies**

#### 4a. Current Use

Government agencies are not the largest requestors of data from SONRIS or lacoast.gov websites. Other user groups including consulting firms, academics, and .net addresses are frequenting both sites (SONRIS and lacoast.gov) and downloading data. Hydrologic data is requested most followed by vegetation data. On average 4 gigabytes of CRMS data are transferred daily from the lacoast.gov website alone. (Appendix X)

Traffic by month was greatest in March 2010 with 800,000 page requests in one month and 102 gigabytes of data were transferred. On average 117 gigabytes of data are transferred monthly and 4 gigabytes daily. This includes only data being downloaded through lacoast.gov.

OCPD's records were reviewed for CRMS data requests from 2009. The records were broken into what type of data was requested (ex., continuous hydro, veg, etc.), webserver (e.x., lsu.edu, bellsouth.net, etc), and person who requested the data. There were 2059 individual requests from data directly from the SONRIS web based application. CWPPRA agencies made 225 of the total data requests (11% of total requests).

Usage reports from the lacoast.gov website for the last seven months (January 1, 2010 to July 31, 2010) are summarized herein. The CRMS website is just one part of the lacoast.gov statistics. CRMS related traffic to the lacoast.gov website represented 700,000 page requests or 20% of the total traffic to lacoast.gov.

#### Project evaluation improvements

The CRMS Analysis Team is working on developing a report card for each of the CRMS sites as well as for each CWPPRA Project. Project status evaluation will consist of comparing the indices derived from the CRMS station(s) within the project to the distribution of the indices from the reference stations and other project stations as well as to an ideal range (Figure 1). Ideal ranges will be adaptively adjusted as information from CRMS sites becomes available.

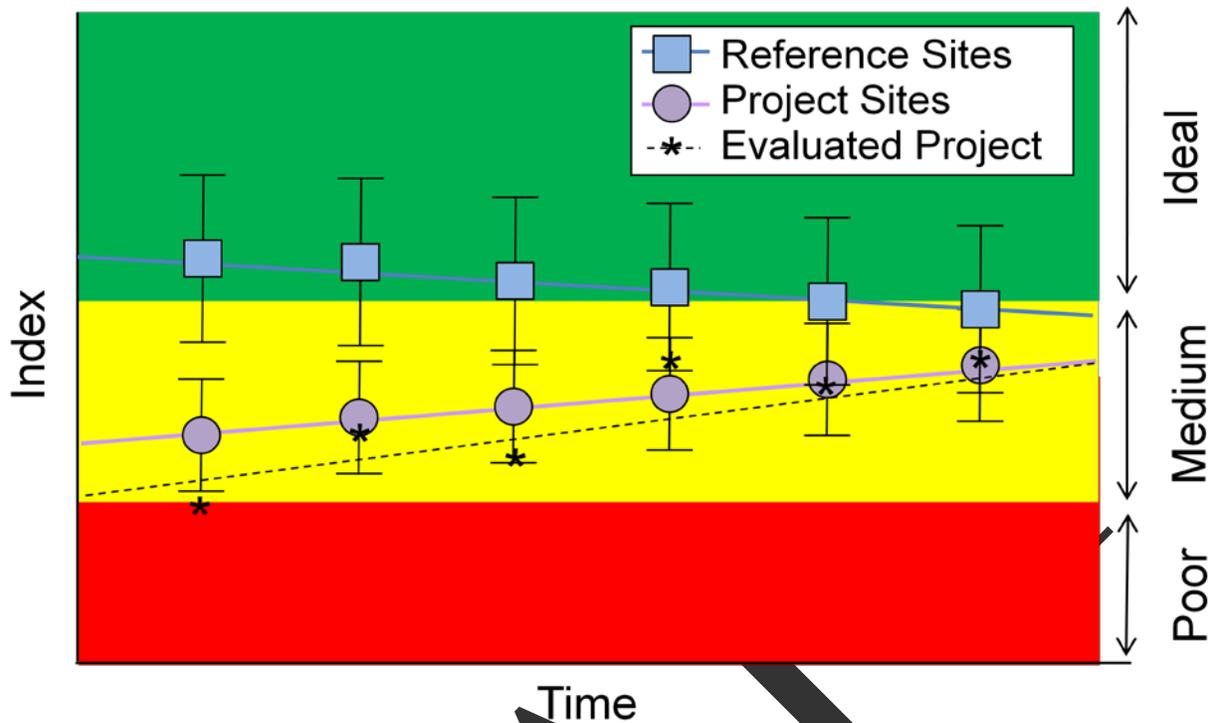


Figure 1 Example of graphing CRMS information used to evaluate a project's status. Data used to generate these graphs will include only data from those CRMS stations that are within the same wetland type and geological setting. Project sites are CRMS sites that fall within any projects. Stars reflect the index for the project of interest.

The indices for each project will be reported in a report card version:

Index	2007	2008	2009
Land Change	●	●	●
Vegetation	●	●	●
Hydrology	●	●	●
Elevation	●	●	●

- a. Training for using CRMS data. CRMS training is currently offered twice per year, and the committees feel that this is adequate. Should the CWPPRA program need additional training sessions, the USGS has offered to add more training.

APPENDIX A

Monitoring Elements Cost

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# LRM

## CRMS Past Expenditures and Projections for Next Three Years

	Inception through June 2005	FY05-06	FY06-07	FY07-08	FY08-09	FY09-10	FY10-11*	FY11-12*	FY12-13*	Total	Percent of Total Expenditures
Administrative	\$659,685	\$446,711	\$514,376	\$461,841	\$389,843	\$468,503	\$400,000	\$410,000	\$420,250	\$4,171,209	6.25
Landrights	\$625,805	\$343,133	\$275,365	\$285,269	\$49,576	\$18,886	\$5,000	\$5,125	\$5,253	\$1,617,412	2.42
Site Construction and Surveying	\$75,881	\$1,143,767	\$1,736,778	\$1,783,484	\$948,025	\$543,071	\$300,000	\$307,500	\$315,188	\$7,153,693	10.71
Temporal Data Collection and Equipment	\$15,800	\$394,635	\$1,371,562	\$4,066,008	\$5,255,028	\$8,395,475	\$7,600,000	\$7,790,000	\$7,984,750	\$42,875,259	64.21
Spatial Data Collection	\$45,086	\$575,742	\$331,909	\$316,070	\$585,943	\$360,028	\$350,000	\$680,000	\$360,000	\$3,604,778	5.40
O&M	\$0	\$0	\$0	\$84,770	\$375,299	\$118,950	\$150,000	\$153,750	\$157,594	\$1,040,363	1.56
Database Management, Analysis, and Reporting	\$145,852	\$281,822	\$467,834	\$597,013	\$793,271	\$1,093,548	\$950,000	\$973,750	\$998,094	\$6,307,184	9.45
<b>SUBTOTAL EXPENDITURES</b>	<b>\$1,568,109</b>	<b>\$3,185,809</b>	<b>\$4,697,824</b>	<b>\$7,600,455</b>	<b>\$8,396,985</b>	<b>\$10,504,462</b>	<b>\$9,005,000</b>	<b>\$9,320,125</b>	<b>\$10,241,128</b>	<b>\$66,769,897</b>	<b>100.00</b>
Additional State Contribution	\$0	\$0	\$0	\$0	\$0	<b>\$500,000</b>	<b>\$750,000</b>	<b>\$1,000,000</b>	<b>\$1,250,000</b>	<b>\$3,500,000</b>	
<b>Actual Cost to CWPRA</b>	<b>\$1,568,109</b>	<b>\$3,185,809</b>	<b>\$4,697,824</b>	<b>\$7,600,455</b>	<b>\$8,396,985</b>	<b>\$10,504,462</b>	<b>\$9,005,000</b>	<b>\$9,320,125</b>	<b>\$8,991,128</b>	<b>\$63,269,897</b>	

Note: Last three fiscal years are projected expenditures.

# DR

APPENDIX B

USGS hydrologic coherence and power analyses on adjacent CRMS sites to  
determine level of redundancy

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## **Statistical Power Analysis of CRMS data (2006-2009)**

Statistical power analysis is commonly used to calculate the minimum sample size required to accept the outcome of a statistical test with a desired level of confidence. It can also be used to calculate an optimum effect size that is likely to be detected during monitoring using a given sample size.

Accepting a false null hypothesis of no difference (Type II error) is sometimes more risky and it is considered necessary to minimize probability of making such a mistake ( $\beta$ ). The statistical power ( $1 - \beta$ ) is defined as the probability of rejecting a false null hypothesis that should be rejected. Subsequently, the lower value of  $\beta$  provides higher statistical power, and thus increased power leads to detecting change (reject null hypothesis when a difference exists) more accurately. However, statistical power is related with several factors including sample size, effect size (absolute difference between population means), desired level of significance ( $\alpha$ , the probability of making a Type I error), and population standard deviation ( $\sigma$ ).

Statistical power and sample size analysis was used to determining the number of CRMS sites required to detect coast-wide ecological changes based on marsh type, salinity, vegetation, and soil properties at a desired level of statistical power. In ecological data analysis, the level of significance is commonly fixed at 0.05 and a power level of 0.80 or higher is desired. SAS GLMPOWER procedure (SAS 9.2, SAS Institute, 2008) was used to conduct statistical power and sample size analysis. Hydrological basin and marsh type were utilized as the two independent variables for a two-factor ANOVA in the power analysis procedure. As expected, there was a significant interaction between hydrological basin and vegetation types; therefore, the interaction effect between basin and vegetation type was considered as the deterministic variable to obtain power and sample size in this report.

Multiple years of data on hydrology, vegetation, and soil properties were used in the power and sample size analysis. Because of the difference in sampling/measurement frequencies among the variables (e.g., hourly hydrological data, monthly soil porewater salinity data, annual vegetation data, and every 5 years for soil bulk density and organic matter), the following five datasets were derived for the analysis.

1. Surface water salinity dataset: For each CRMS site, annual mean and standard deviation of water salinity were derived from hourly salinity measurements for Years 2006, 2007, 2008, and 2009.
2. Soil porewater salinity: For each CRMS site, annual mean and standard deviation of soil porewater salinity were derived from monthly soil porewater salinity measurements (three samples along the boardwalk per site) using a sipper probe at 30cm depth for Years 2006, 2007, 2008, and 2009.
3. Percent time flooded: For each CRMS site, annual percent time flooded was derived from hourly water level relatively to marsh surface for Years 2006, 2007, 2008, and 2009.
4. Vegetation FQI dataset: Annual mean and standard deviation of the floristic quality index

(FQI) were derived from vegetation composition and percent cover of vegetation at approximately ten 2X2m plots within each CRMS site for Years 2006, 2007, 2008 and 2009.

5. Soil property dataset: Mean and standard deviation of soil bulk density and organic matter content were derived from 3 cores at six depths (0-24 cm) totaling 18 archived samples from each CRMS site during 2006-2009.

Standard deviations in these monitoring variables within each CRMS site were used because variables such as salinity and flood frequency vary largely within a specific time period; however, their average values did not capture these variations. It is assumed that the data collected from current CRMS network give the best available estimates of spatial variability in these monitoring variables. As in other statistical analyses, power analysis requires data to be normally distributed. Therefore, a power or arcsine transformation was employed on the data where there was a departure from normality. In addition, sensitivities of the power and sample size were determined using 95% confidence interval of the standard deviation obtained from the CRMS data (2006-2009).

The result from surface water salinity datasets indicates that approximately 506 to 959 sites are required to detect change at a power level of 0.80 (Table 1). Dataset of annual mean soil porewater at 30-cm depth also indicated a range of 569-899 sites (Table 1). Lower sample size required from porewater salinity (~150-300) than surface water salinity (506-577) indicated that there are smaller variations in soil porewater salinity than surface water salinity in coastal Louisiana, therefore needing fewer sites to detect the coast-wide changes. Fewer sites would be required (ranged approximately from approximately 200 to 450 sites) from datasets of percent time flooded, vegetation FQI, and soil property than the surface water and soil porewater 30-cm salinity datasets (Table 1). However, surface water and soil porewater salinities are often one of the most important factors driving ecosystem level change so it would be appropriate to determine sampling size based on the sample size requirements from surface and soil porewater salinity data. Therefore, approximately 500-950 sites would be required for CRMS. This result is consistent with the previous simulation analysis conducted by Steyer et al. (2003), in which they specified a requirement of approximately 540-800 sites across the entire Louisiana coast to achieve the desired power. The CRMS network is intended to monitor ecosystem properties to better understand the mechanisms and processes that determine the dynamics of coastal Louisiana. Therefore, it may be necessary to increase the number of CRMS sites from current 390 sites to detect a 20 percent change in marsh type between any two time periods at least 80 percent of the time based on power and sample size analysis of multiple years of multiple monitoring variables.

### **References cited**

Steyer, G. D.; Sasser, C. E.; Visser, J. M.; Swenson, E. M.; Nyman, J. A.; Raynie, R. C. 2003. A proposed coast-wide reference monitoring system for evaluating wetland restoration trajectories in Louisiana. *Environmental Monitoring and Assessment*. 81: 107-117.

SAS Institute Inc. 2008. SAS/STAT<sup>®</sup> 9.2 User's Guide. Cary, NC: SAS Institute Inc.

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**Table 1. The observed power and required number of sites under power=0.8, alpha=0.05 and 95% confidence interval (CI) using existing CRMS data (2006-2009).**

Variables	Datasets	# Stations used	Observed power (range under 95% CI of sd)	Required # sites (range under 95% CI of sd)
<b>Surface water salinity (ppt, hourly data)</b>				
2007	mean	230	0.182 (0.216-0.154)	959 (808-1158)
	sd	230	0.348 (0.422-0.282)	523 (442-630)
2008	mean	309	0.283 (0.334-0.237)	849 (732-998)
	sd	309	0.506 (0.590-0.424)	506 (438-594)
2009	mean	321	0.474 (0.553-0.397)	559 (484-654)
	sd	321	0.458 (0.536-0.384)	577 (499-674)
<b>Porewater salinity (ppt, monthly data, 30cm depth)</b>				
2007	mean	283	0.164 (0.190-0.142)	899 (770-1065)
	sd	283	0.917 (0.956-0.846)	156 (136-181)
2008	mean	372	0.320 (0.373-0.272)	628 (549-727)
	sd	372	0.986 (0.995-0.965)	151 (134-172)
2009	mean	381	0.368 (0.428-0.313)	569 (499-657)
	sd	381	0.719 (0.795-0.633)	302 (265-346)
<b>Percent time flooded (%)</b>				
2007		187	0.965 (0.990-0.908)	125 (107-151)
2008		246	0.965 (0.986-0.916)	165 (142-194)
2009		264	0.957 (0.983-0.905)	182 (157-213)
<b>Vegetation FQI</b>				
Marsh 2006	mean	196	0.370 (0.452-0.296)	434 (362-532)
	sd	196	0.405 (0.494-0.324)	400 (334-490)
Marsh 2007	mean	310	0.554 (0.640-0.468)	472 (408-553)
	sd	310	0.953 (0.980-0.904)	215 (187-250)
Marsh 2008	mean	328	0.734 (0.813-0.642)	369 (321-430)
	sd	328	0.964 (0.985-0.922)	219 (191-253)
Marsh 2009	mean	327	0.814 (0.882-0.728)	319 (278-372)
	sd	327	0.887 (0.938-0.815)	274 (239-319)
Swamp 2007	mean	55	0.300 (0.417-0.205)	165 (119-248)
	sd	55	0.841 (0.949-0.644)	51 (38-74)
Swamp 2008	mean	55	0.781 (0.915-0.576)	58 (42-85)
	sd	55	0.626 (0.794-0.434)	77 (56-114)
Swamp 2009	mean	55	0.508 (0.675-0.344)	97 (70-144)
	sd	55	0.860 (0.959-0.668)	49 (36-71)
<b>Soil Properties (06-09, soil cores, 0-24cm depth)</b>				
Soil bulk density (g/cm <sup>3</sup> )	mean	380	0.963 (0.984-0.925)	253 (223-290)
	sd	380	0.997 (>0.999-0.990)	185 (164-211)
Soil organic matter (%)	mean	380	0.881 (0.931-0.812)	324 (285-372)
	sd	380	0.870 (0.923-0.799)	332 (292-381)

Notes:

1. Results are based on the tests of the interaction between basin and habitat types by two-way ANOVA.
2. Raw swamp data are normally distributed, just basin effect, therefore one-way ANOVA.
3. Sample size from surface water salinity, porewater salinity and flood frequency data in 2006 were not considered due to the large departure from estimated population standard deviation in the two parameters from 2006 data compared with data from other years as a result of limited sites used in the analysis (97 and 74 for salinity and flood frequency, respectively).
4. There is only one station in Swamp 2006 dataset.

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APPENDIX C

Results of Federal Sponsor and OCPR Project monitoring review

Summary of Project Review				
	# Constructed Projects Non Barrier Island	Monitoring Adequate	Monitoring inadequate	Not determined
NMFS	13	9	2	2
NRCS	32	21	7	4
USFWS	17	12	4	1
USACOE	11	10	0	1
EPA				

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**NMFS CMPPRA PROJECTS**

Project Number	Project Name	Project Type	# CMS data in Project Area	Project Specific Monitoring	Comments: Is current data (CMS+ Proj. specific sufficient)?	Meeting Results
PE-02	Archival's Sediment Delivery	MC	1	Vegetation and Elevation surveys - Yes 2015, and 2016.	Waiting on ODMM Report results	Waiting on the completion of the ODMM Report in order to decide how to proceed with the rest of the project monitoring activities.
PE-01	Big Island Mining	MC	0	Elevation surveys - 2016.	Waiting on ODMM Report results	Waiting on the completion of the ODMM Report in order to decide how to proceed with the rest of the project monitoring activities.
TE-22	Point Au Fer Canal Flaps	BI	0	Monitoring stopped	Data collection efforts are inconclusive.	Incorporate 2008 and / water analysis into the ODMM Report. Consider 2008 and / water analysis as a separate program to WMS (LI Forest). Decide on how to handle project.
TE-25	East Trencher Phase 1 Restoration	BI	0	Monitoring stopped		
TE-26	East Trencher Segment Restoration, Phase 2	BI	0	4 continuous monitoring events - 2016; Vegetation - 2010, 2013, and 2016; Land / Water analysis 2010.	Project is difficult to assess effectiveness because of the extensive erosion on the eastern shoreline. The weir has been compromised plus the location of the continuous recorder did not enable good data collection. Project is ineffective by obtaining good, however, the project area has eroded due to numerous tropical events.	Investigate converting remainder of the project specific data collection to a CMS site on the east side of Lake Chapala within the project boundary. Possibly keep the project specific vegetation monitoring program to WMS (LI Forest). Decide on how to handle project.
TE-30	Little Lake Shoreline Protection/Recreation Near Point Au Fer	SP/MC	1	Vegetation Land/Water Elevation	The survey data being collected should provide important information for sediment compaction and the CMS data will provide hydrologic condition, vegetation conditions, and surface elevation (SEI) and accretion as compared to other portions of the basin using the same type of vegetation classification.	Need cost estimate for Land/Water, vegetation and Elevation survey. Only 23,000.00 remaining in budget. Project ODMM Report for 2010 will be delayed until July 15, 2011 due to oil spill response.
ME-09	Delta Wide Crosscuts	HR	2	Vegetation		
PO-24	Hopedale hydrologic restoration	HR	1	CG (4)		
BA-48	Bayou Dupont	MC, RC	0	Vegetation and Elevation		
CS-27	Black Bayou hydrologic restoration	HR	4	Vegetation and Elevation; SAV transects 2009, 2011, 2013, and 2016; aerial 2009-2016	Could use CMS site south of eastern impoundment and inside the impoundment.	
TY-25	Sediment Trapping at the Jaws	SP/MC	0	Aerial photography (2011 and every 3 years after)	Yes, aerial photography will capture land gain and colonization of sediment. CMS sites provide hydrologic conditions affecting the area.	Monitoring adequate.
ME-14	Pecan Island Farming	SP/MC	1	Structure Survey (2010); Terrace Vegetation (2010 and 2016); Bathythermy (2010 and 2017); Digital (2017); SAV (2010 and 2018).	Yes, however, the budget has been expended. CMS sites 0623 and 1965 provide hydrologic conditions affecting terrace areas.	Ocean cost-estimate for a land/water analysis on the 2007 photography. Land/water analysis would be approximately \$24,000.
TY-18	Four Mile Cut/Lake Vermilion Bay	SP/Nutrient Trapping	0	Aerial photography (2009 and 2017); SAV transects (2010 and 2016); Bathythermy; Shoreline Change cancelled after 2004 data collection	Yes, CMS2041 provides hydrologic conditions affecting terrace areas.	Come up with cost estimate for the remaining monitoring efforts. May need to get ODM to contribute to data collection because of the budget event. ODM may be able to pick up survey data collection.
TY-12	Little Vermilion Bay	SP/Nutrient Trapping	0	Aerial photography (2009 and 2017); SAV transects (2010 and 2016); Bathythermy; Shoreline Change cancelled after 2004 data collection	Yes, CMS2041 provides hydrologic conditions affecting terrace areas.	Monitoring adequate.
BA-35	Channel Flaps to Grand Bayou Flaps	BI	0	SP/Nutrient Trapping	Yes, project specific monitoring benefits from BCOM.	Monitoring adequate.
BA-38	Point Au Fer Canal Flaps to Grand Bayou Flaps	BI	0	SP/Nutrient Trapping	Yes, project specific monitoring benefits from BCOM.	Monitoring adequate.



USACOE Project Review

Project Number	Project Name	Project Type (HR - hydrologic restoration; SP - shoreline protection; MC - marsh creation; FD - freshwater diversion)	# CRMS sites in Project Area	Project Specific Monitoring	Comments - is current data (CRMS + Proj. specific) sufficient?
CS-22	Clear Marsh	SP	0	Shoreline GPS	yes
CS-28	Sabine Refuge Marsh Creation, Cycle 1	MC	1	Vegetation, Elevation surveys proposed, but no funds available.	Yes, cycle 1 has met its vegetation and acreage goals.
ME-22	South White Lake Shoreline	SP	1	USACOE monitoring for 5 years	yes
MR-03	West Bay Sediment Diversion	Sediment Diversion	0	Bathymetric/Topographic Surveys: Aerial Photography	yes
MR-06	Channel Armor Gap Crevasse	HR	1	Vegetation; Land/Water; Elevation	yes
PO-17	Bayou LaBranche	MC	1	Vegetation and Aerial Photography	yes
PO-22	Bayou Chevee Shoreline Protection	SP	1	SAV; Shoreline Surveys	yes
PO-32	Lake Borgne Shoreline Protection	SP	0		
TE-23	West Belle Pass Headland Restoration	HR	0	Monitoring by OCHR complete.	
TV-03	Vermillion River Cutoff	SP	0	Shoreline GPS	yes
TV-14	Marsh Island Hydrologic Restoration	HR	2 (future)	Shoreline Change; SAV; Aerial Photography	yes

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**USFWS CWPPRA PROJECTS**

Project Number	Project Name	Project Type - hydrologic restoration; SP - shoreline protection; MC - marsh creation; FD - freshwater diversion)	HR	# CRMS sites in Project Area	Project Specific Monitoring	Comments - Is current data (CRMS+ Proj. specific sufficient?)	Meeting Results
TE-41	Nanday Bay Protection Demonstration	SP		0	Completed	Yes.	Final report will be completed once the last monitoring survey is completed in Spring of 2010.
TE-44	North Lake Mead/Lake Lanier Restoration	MC		0	None	Money was spent in the shoreline protection phase for observing plantings. The plantings did not grow; therefore, this monitoring was stopped. There is no monitoring planned for the marsh creation portion of the project.	Do not foresee an O&M event requiring data to justify the effectiveness of the project. Cost-estimate for land/water analysis is about \$62,000 in 2010 with a 2.6% inflation every year thereafter. Note: Cost may be a little higher because estimate was based on pre-construction project conditions.
TE-45	Terrabone Bay Shore Protection Demonstration	SP		0	Extensive	Yes.	An O&M report will be completed in 2010 using the first three years of data that was collected.
TE-46	West Lake Boudreaux Shoreline Protection and Marsh Creation	SP/MC		0	None	No.	Do not foresee an O&M event requiring data to justify the effectiveness of the project. Cost-estimate for land/water analysis is about \$32,600 in 2010 with a 2.6% inflation every year thereafter.
PO-16	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 1	HR		1	Land/water analysis	Yes.	As requested by Darryl Clark, OCPR will add a vegetation survey in 2012 (land/water year) and an O&M report in 2013 (incorporating CRMS data) using remaining budget funds. USFWS will continue sending staff gauge data even though it is not required by the monitoring plan.
PO-18	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 2	HR		0	Land/water analysis	Yes.	As requested by Darryl Clark, OCPR will add a vegetation survey in 2012 (land/water year) and an O&M report in 2013 (incorporating CRMS data) using remaining budget funds. USFWS will continue sending staff gauge data even though it is not required by the monitoring plan.
BA-36	Dedicated Breeding on the Barataria Basin Landbridge	MC		0	none; project area will be covered by BA-27 aerial photography	Yes.	Kevin Roy recommends land/water analysis at year 10 and 20. OCPR will check land/water cost for year 1 analysis as well.
BS-11	Delta Management at Fort St. Philip	SD, SNT		1	debarator surveys, vegetation surveys, bird/water analysis	Yes.	Kevin Roy recommends land/water analysis at year 10 and 20. OCPR will check land/water cost for year 1 analysis as well.
PO-33	Goose Point/Pont Plate Marsh Creation	MC		1	the marsh "nourishment" area outside of the containment, none in the filled area		Kevin Roy recommends land/water analysis at year 10 and 20. OCPR will check land/water cost for year 1 analysis as well.
BA-42	Lake Hermitage Marsh Creation	MC		0	Not Constructed		Monitoring is adequate. However, budget needs to be revised since construction was delayed.
BS-16	Cameron Outfall Management/Lake Lery Shoreline Protection	SP		3	Not Constructed		Contingency funds were never requested for 2006 land/water analysis.
ME-09	Cameron Prairie Refuge Protection	SP		0	Discontinued	Yes. Shoreline monitoring discontinued after determining through previous surveys that shoreline was stabilized.	No further monitoring required.
ME-16	Freshwater Introduction South of Hwy 02	HR		4	1 continuous recorder	Yes.	Monitoring is adequate. 2008 O&M Report needs to be finalized. Cost estimate for a land/water analysis is about \$36,200 in 2010 with a 2.6% increase every year thereafter.
ME-19	Grand/White Lake Landbridge	SP		0	Shoreline change (DGS) and terrace vegetation/condition assessments	Yes. The focus of terrace vegetation monitoring will be switched from vegetation stations to terraces as a whole because of the deterioration of the terraces.	Monitoring is adequate. 2008 O&M Report needs to be finalized. Cost estimate for a land/water analysis is about \$36,200 in 2010 with a 2.6% increase every year thereafter.
GS-23	Replicate log island Gully Structures	HR		10	Yes, SAV sampling ongoing and scheduled for 2014 and 2018. 4 O&M recorders also utilized for salinity and water level thresholds.	Yes, SAV sampling ongoing and scheduled for 2014 and 2018. 4 O&M recorders also utilized for salinity and water level thresholds.	Monitoring is adequate with a change to GPS of terraces. CRMS stations are adequate to address all goals except SAV abundance. Additional monitoring monies will be required for the 2014 and 2018 SAV sampling.
GS-32	East Sabine Hydrologic Restoration	HR		1	Land / water ratios, salinity, duration of flooding and vegetation	CRMS for land / water, salinity, and flooding. Vegetation on terraces occurring established during O&M inspections.	Verify that E&O modeling data collection changes have been reversed. There is concern of needing O&M funds to repair Pine Ridge weir in the future, but there is no data to determine effectiveness. Possibly move remaining construction funds to obtain the data. Use a polygon around the weir structure to obtain land / water. Get a cost estimate for 2 continuous recorders to determine weir effectiveness. Cost estimate for land/water analysis is \$35,000 in 2010 with a 2.6% inflation rate every year thereafter.
GS-18	Sabine National Wildlife Refuge Erosion Protection	SP		0	Discontinued	Yes, shoreline monitoring discontinued after determining through previous surveys that shoreline was stabilized.	No further monitoring required.
ME-20	South Grand Channel	HR		1		Yes, monitoring plan is in development. Four continuous recorders were added to the outfall area. 1 CRMS station is in the project area.	Project not constructed.

APPENDIX D

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## CRMS data downloads from SONRIS and CRMS websites

### SONRIS 2009:

OCPR's records were reviewed for CRMS data requests from 2009. The records were broken into what type of data was requested (ex., continuous hydro, veg, etc.), webserver (e.x., lsu.edu, bellsouth.net, etc), and person who requested the data. There were 2059 individual requests from data directly from the SONRIS web based application. CWPPRA agencies made 225 of the total data requests (11% of total requests).

2009 SONRIS Data Requests

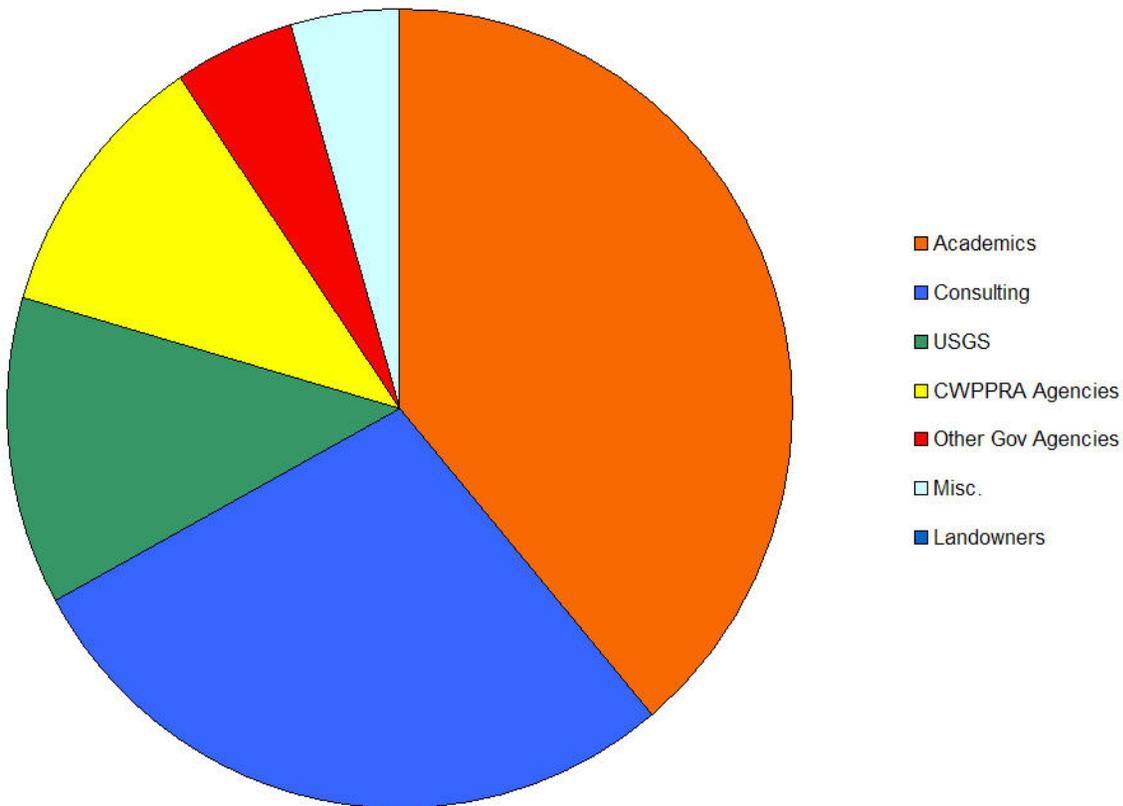


Figure 1. 2009 data requests directly through SONRIS broken down by user groups.

Table 1: Specific details of which web servers requesting data for each user group.

<p>Other requesting entities: Academics (39%):</p> <ol style="list-style-type: none"> <li>1) lsu.edu</li> <li>2) louisiana.edu</li> <li>3) selu.edu</li> <li>4) uno.edu</li> </ol>	<p>Government (non-CWPPRA) (17.5%):</p> <ol style="list-style-type: none"> <li>1) Nasa.gov</li> <li>2) NPS.gov</li> <li>3) Wlf.louisiana.gov</li> <li>4) USGS (12.5%)</li> </ol>
<p>Consulting (28%):</p> <ol style="list-style-type: none"> <li>1) aecom.com</li> <li>2) cdm.com</li> <li>3) ch2m.com</li> <li>4) c-ka.com</li> <li>5) coastalenv.com</li> <li>6) fenstermaker.com</li> <li>7) ftn-assoc.com</li> <li>8) gecinc.com</li> <li>9) Moffatnichol.com</li> <li>10) Providenceeng.com</li> <li>11) Shawgrp.com</li> <li>12) Royalhaskoning.com</li> <li>13) Tayloengineering.com</li> <li>14) Tbsmith.com</li> <li>15) Urscorp.com</li> </ol>	<p>Misc (4.5%):</p> <ol style="list-style-type: none"> <li>1) aol.com</li> <li>2) bellsouth.net</li> <li>3) Yahoo.com</li> <li>4) gmail.com</li> <li>5) BTNEP.org</li> <li>6) camtel.net</li> <li>7) deltares.nl</li> <li>8) ix.netcom.com</li> <li>9) junglegardens.org</li> <li>10) Mortoninc.com</li> <li>11) Odu.edu</li> <li>12) Pmi.net</li> </ol>
<p>Landowners (0.01%):</p> <ol style="list-style-type: none"> <li>1) apachecorp.com</li> </ol>	

DRAFT

## 2009 SONRIS Data Type Requests

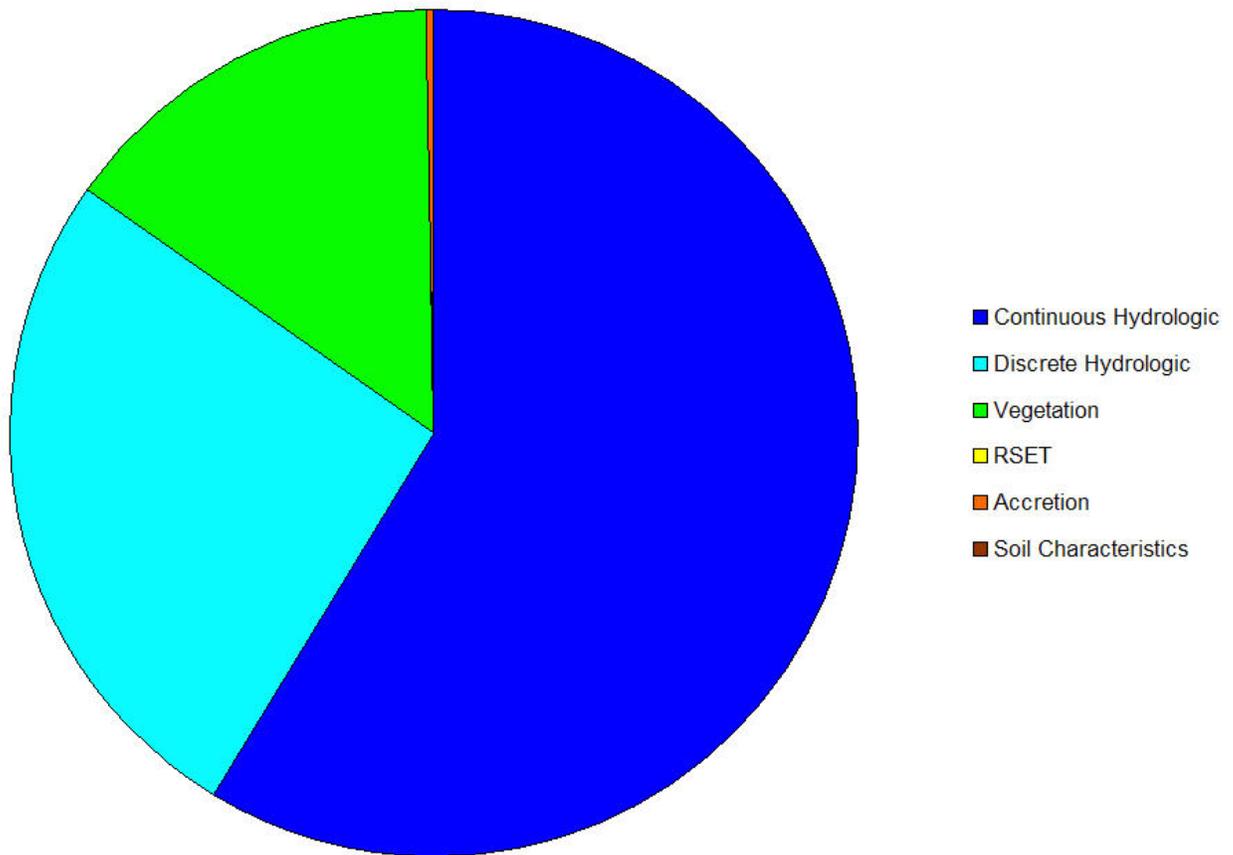


Figure 2. 2009 SONRIS data requests broken down by data type. The majority of data requests were for continuous and discrete hydrologic data (68%) followed by vegetation (12%), surface elevation (0.08%), accretion (0.06%), and soil characteristics (0.06%).

### Lacoast.gov 2010:

Usage reports from the lacoast.gov website for the last seven months (January 1, 2010 to July 31, 2010) are summarized herein. The CRMS website is just one part of the lacoast.gov statistics. CRMS related traffic to the lacoast.gov website represented 700,000 page requests or 20% of the total traffic to lacoast.gov.

Traffic by month was greatest in March 2010 with 800,000 page requests in one month and 102 gigabytes of data were transferred. On average 117 gigabytes of data are transferred monthly and 4 gigabytes daily. This includes only data being downloaded through lacoast.gov, data being downloaded directly through SONRIS in addition to what is reported above.

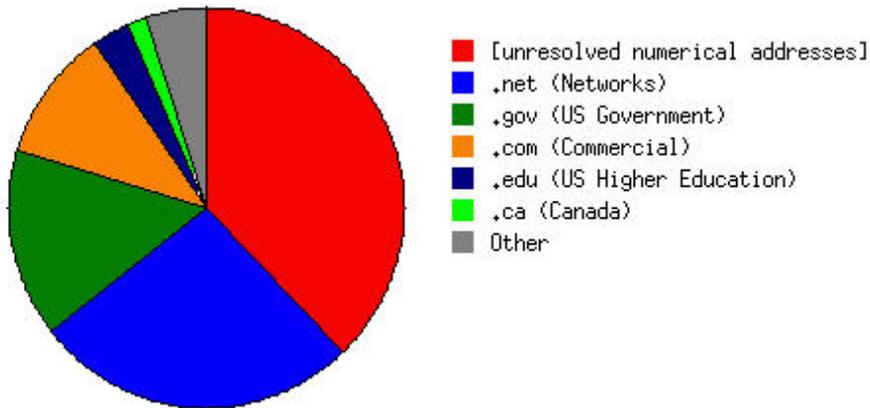


Figure 3. Breakdown of organizations of computers requesting data files. Unresolved numerical addresses composed 38%, 32% was .net (largely comcast.net, cox.net, verizon.net), 12% .com, and 7% .gov addresses.

### Summary:

Government agencies are not the largest requestors of data from SONRIS or lacoast.gov websites. Other user groups including consulting firms, academics, and .net addresses are frequenting both sites (SONRIS and lacoast.gov) and downloading data. Hydrologic data is requested most followed by vegetation data. On average 4 gigabytes of CRMS data are transferred daily from the lacoast.gov website alone.

# CWPPRA Monitoring Program Review

John Foret and Jenneke Visser  
Team Leaders

September 28, 2010

## Work Plan: Action 1

**Determine if there are potential programmatic cost savings by reducing the frequency of some monitoring efforts, reducing stations, etc.**

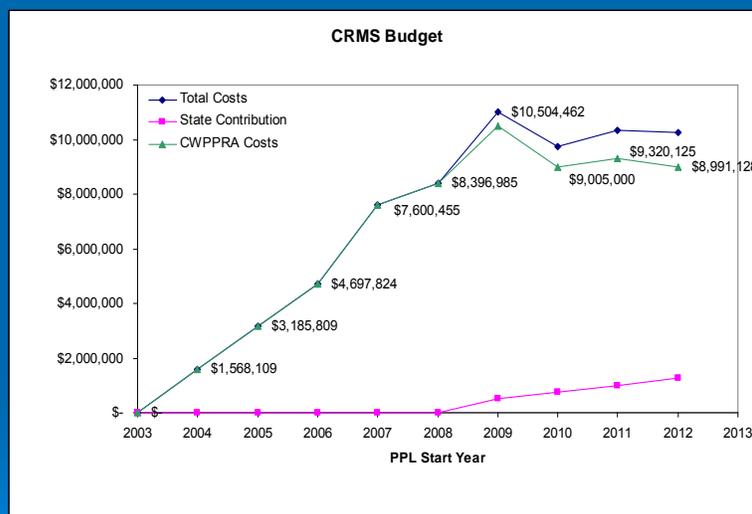
➤ Findings

- Statistical Analyses indicate that the number of stations is at the bare minimum for most variables.
- Hydrologic data are the most expensive.
- Cost savings in surveying methods are pursued by OCPR.

## CRMS Costs By Monitoring Element

	<u>Incremental Costs</u>	<u>Cost per event</u>
Hydrography	\$10,600/sonde	\$4.6 million/year
Vegetation	\$8,000/site	\$1.2 million/year
RSET/Accretion	\$1,200/site	\$470 thousand/year
Soil Cores	\$1,500/site	\$585 thousand/10 years
Spatial	\$550K/event	\$1.3 million/3 years

## CRMS Budget



If the current CRMS costs were extrapolated from 2013 out to 2019, the program costs would be approximately \$117M. Total Monitoring is currently 5.87% of CWPPRA Construction Budget.

## Work Plan: Action 2

### Evaluate alternatives to improve monitoring input into decision-making

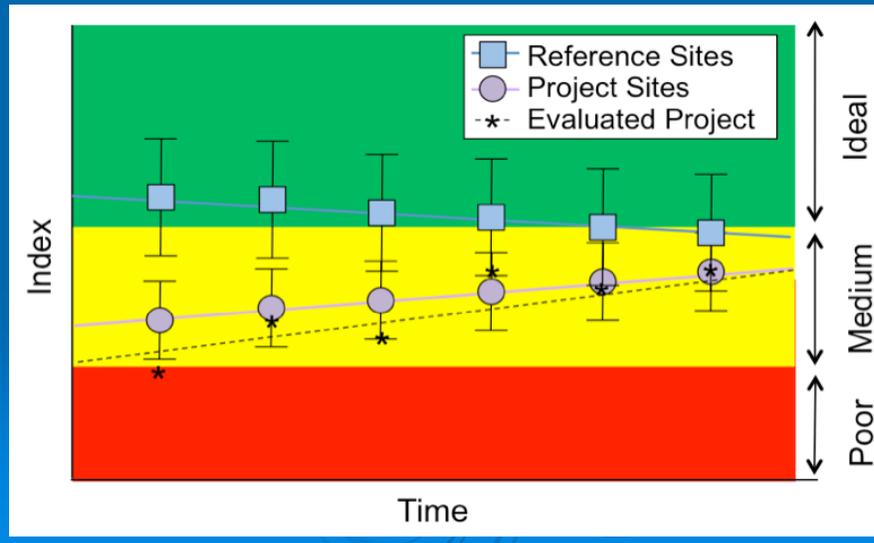
- Finding
  - Meetings with all agencies have been completed. Few significant changes have been suggested within project specific monitoring.
  - Report card for projects (compared to reference stations in similar marsh type and geological setting) are being developed by the CRMS Analysis Team.

## CWPPRA Agency Monitoring Review

	# Constructed Projects Non Barrier Island	Monitoring Adequate	Monitoring Inadequate
NRFC	13	11	2
NRCS	31	22	9
USFWS	19	12	7
USACE	11	10	1
EPA	2	1	1
ALL	72	56	16

78% are being monitored adequately

## Example of graphing CRMS information used to evaluate a project's status.



## Work Plan: Action 3

### Identify potential partners and level of support for sharing of CRMS funding responsibility

#### ➤ Finding

- OCPR/LACES has pledged \$7M (FY09-13)
- LCA has 6 projects through draft monitoring/adaptive management. If appropriated for construction, this could be a 10-year supplement to the CRMS program. In addition, more CRMS style stations would be built by LCA. Also, LCA S&T could be another source of supplemental support, as soon as the State enters into a CSA, could be as high as \$1M annually for 10 years.

## Work Plan: Action 4

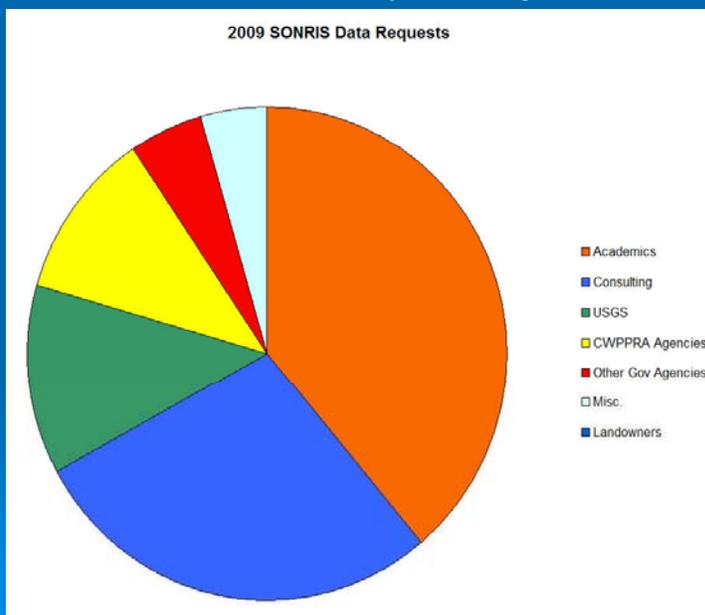
### Evaluate existing level of use by various agencies

#### ➤ Finding

- Level of use varies by CWPPRA agency. Most use in planning and E&D for new projects.
- Academics and consultants are the largest user groups. Some of this use is CWPPRA related.

CRMS provides data for new research that will improve restoration

### 2009 data requests directly through SONRIS broken down by user groups



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

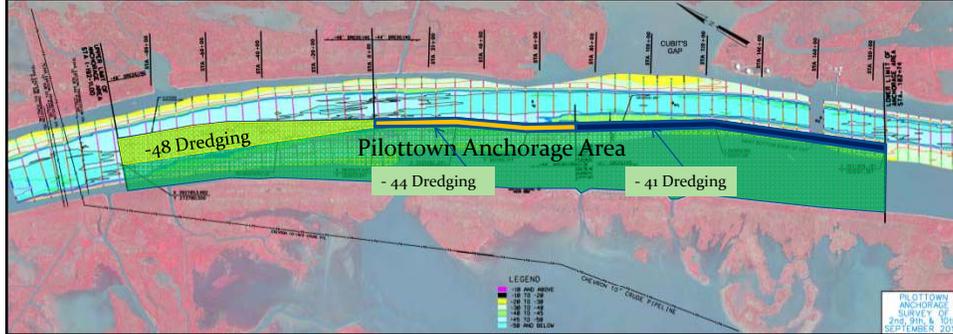
OCTOBER 13, 2010

**STATUS OF THE PPL 1 – WEST BAY SEDIMENT DIVERSION PROJECT (MR-03)**

**For Report:**

Mr. Travis Creel will provide a status on the West Bay Work Plan and Closure Plan.

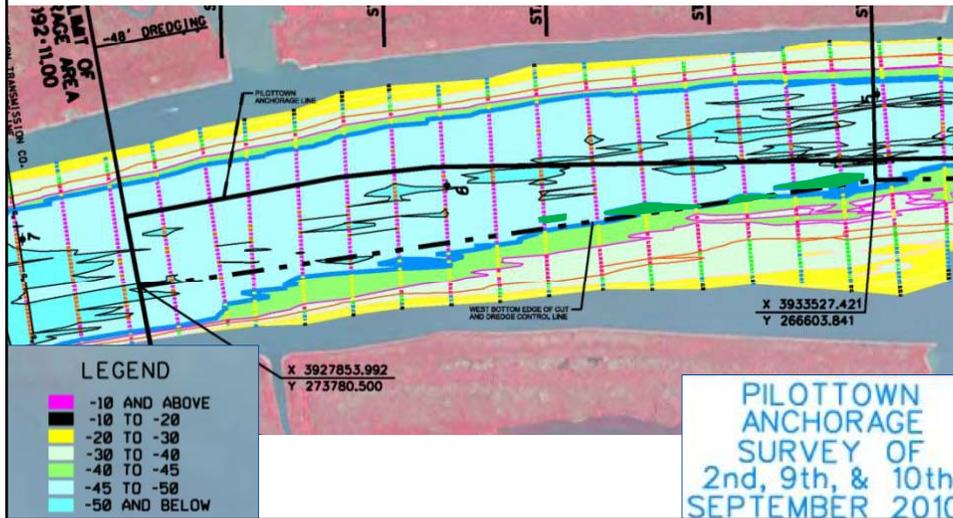
## Pilottown Anchorage Area Features



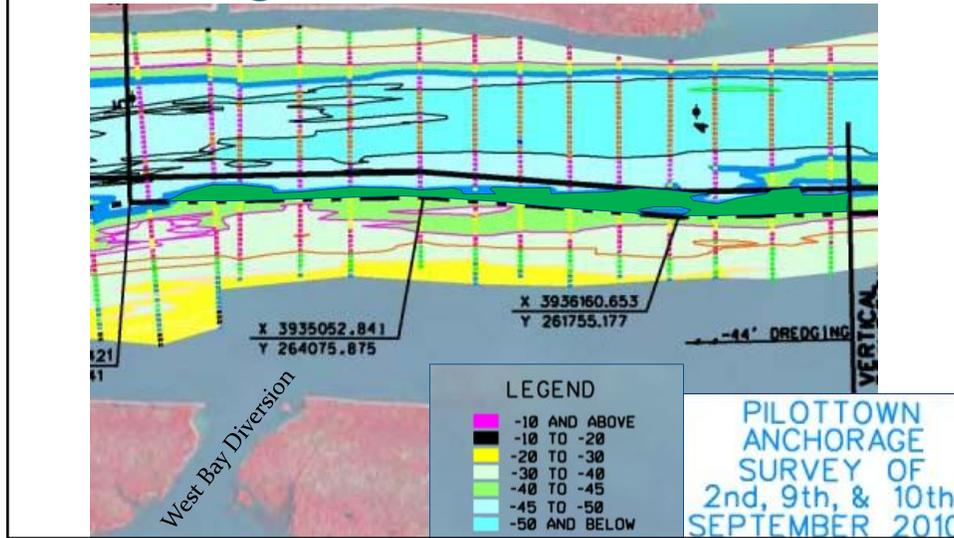
FCR:Title 33: Navigation and Navigable Waters  
 PART 110—ANCHORAGE REGULATIONS  
 Subpart B—Anchorage Grounds

- a) *The Anchorage Grounds.* Unless otherwise specified, all anchorage widths are measured from the average low water plane (ALWP).
- (1) *Pilottown Anchorage.* An area 5.2 miles in length along the right descending bank of the river from mile 1.5 to mile 6.7 above Head of Passes, extending in width to 1600 feet from the left descending bank of the river.

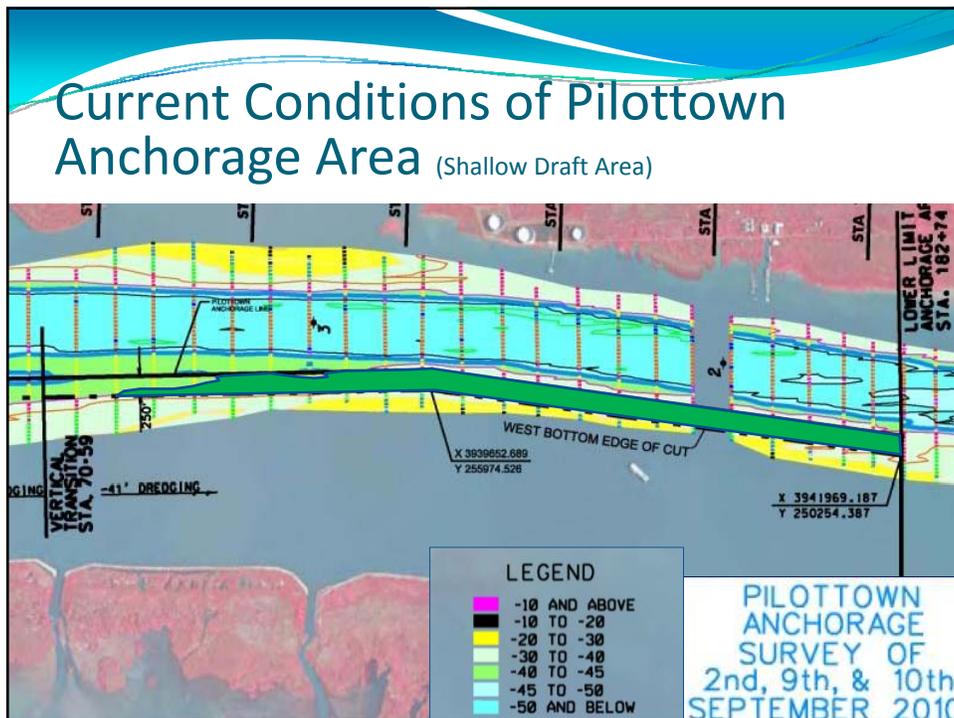
## Current Conditions of Pilottown Anchorage Area (Deep Draft Area)



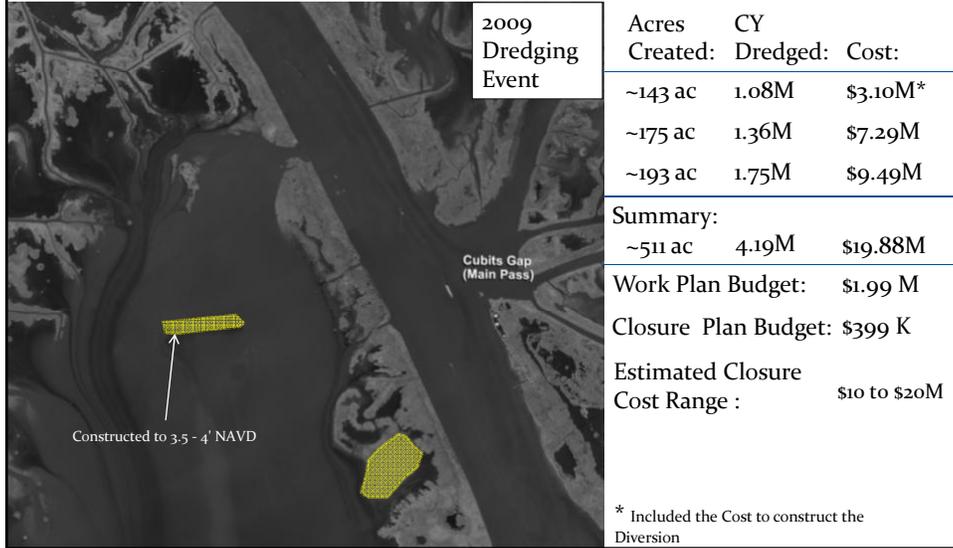
## Current Conditions of Pilottown Anchorage Area (Shallow Draft Area)



## Current Conditions of Pilottown Anchorage Area (Shallow Draft Area)



## West Bay Diversion History & Cost



## Current Activities: Collection of Geotechnical Data



## Current Activities:

### Alternative 1: Semi-circle Rock Dike Closure



- 14' crown width
- +5.0 dike elevation
- Bay Side Stone bankhead constructed to prevent erosion
- +4 elevation, 4' wide foreshore dike built along the downstream diversion channel to prevent erosion

## Current Activities:

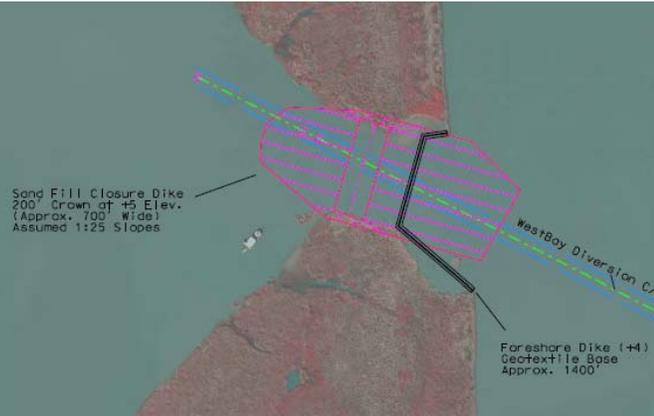
### Alternative 2: Pumped In Earthen Ring Closure



- 200' crown width
- 1:25 side slopes
- +5.0 dike elevation
- Geotextile tube will be installed the entire length of the closure to provide bankline tie-ins
- +4 elevation, 4' wide foreshore dike built along the downstream diversion channel to prevent erosion

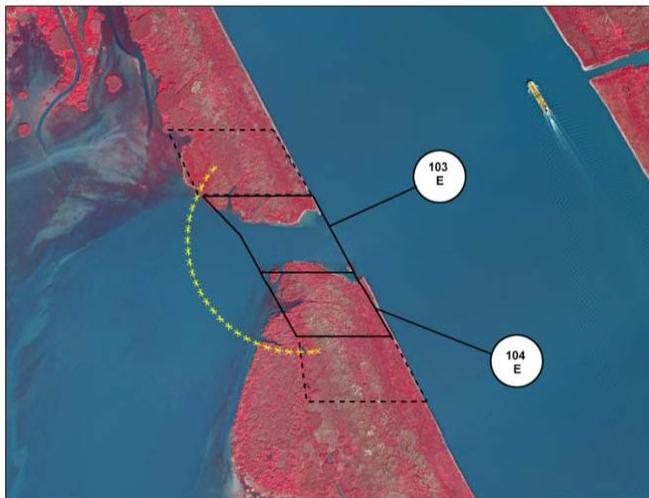
## Current Activities:

### Alternative 3: Pumped In Earthen Plug Closure



- 200' crown width
- 1:25 side slopes
- +5.0 dike elevation
- +4 elevation, 4' wide foreshore dike tied into the existing foreshore dike

## Additional RE Requirements



**103 E** - Channel Easement

**104 E** - Disposal Easement

## Current Schedule:

### Work Plan:

- **6 month effort stretched to 9 months due to oil spill reponse**
- **Final Report to TC/TF June 2011**
- **2 Data Collection Trips**

### Closure:

- **Final RE Acquisition: Summer 2011**
- **Closure Construction Start: Fall 2011**

## May 2010



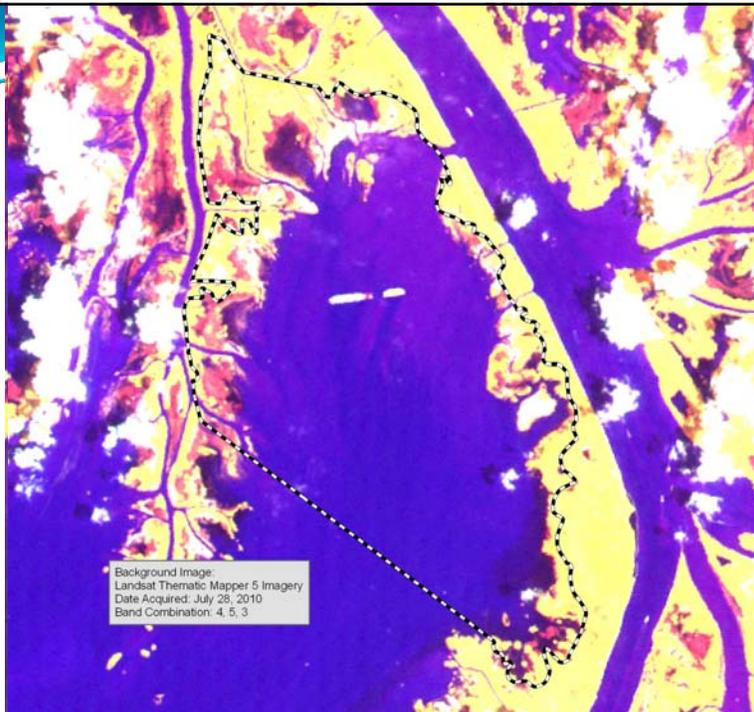
August 2010



May 2010



August 2010



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**STATUS OF THE UNCONSTRUCTED PROJECTS**

**For Report:**

The Planning and Evaluation Subcommittee will report on the status of unconstructed CWPPRA projects that have been experiencing project delays. The P&E will also report on milestones they established for several projects.

- a. BA-38 Barataria Barrier Shoreline, Pelican Island to Chaland Pass (CU2) Status Update. (Rachel Sweeney, NOAA)
- b. TV-19 Weeks Bay Marsh Creation and Shore Protection/Commercial Canal Freshwater Redirection Status Update. (Michael Somme, CSRS, Inc.)
- c. ME-21a Grand Lake Shoreline Protection, Tebo Point Update. (Tom Holden, USACE)

PPL 1 through 15 Unconstructed Projects

Project Name	Project No.	Agency	PL	Authorized Date/Phase I Approval	Construction/Phase II Approval	30% Design Review Date*	95% Design Review Date*	Current Approved Economic Analysis Date (Budget Estimate on Books)	Construct Start*	Construct Complete*	Current Approved Funded Budget	Expenditures	1st cost Unexpended	Monitoring Unexpended	O&M Unexpended	TOTAL Unexpended	TOTAL Unobligated	Current Total FF Cost Est. On Books	On Sched	Proj Issue Delays	Prog Issue Delays	Deauth/Trans/Close Out
Sabine Refuge Marsh Creation, Cycle 4	CS-28-4	COE	8	20-Jan-99	20-Jan-11	na	na	20-Jan-99			\$0		\$0	\$0	\$0	\$0	\$0	~ \$2,621,000	X			
Sabine Refuge Marsh Creation, Cycle 5	CS-28-5	COE	8	20-Jan-99	20-Jan-14	na	na	21-Jan-99			\$0		\$0	\$0	\$0	\$0	\$0	~ \$1,852,000	X			
South Grand Chenier	ME-20	FWS	11	16-Jan-02	20-Jan-11	6-Aug-09	3-Nov-09	10-Oct-09	11-May-11	30-Sep-12	\$2,358,420	\$1,223,077	\$1,240,335	\$42,596		\$1,282,931	\$1,097,475	\$27,936,736	X			
Venice Ponds Marsh Creation & Crevasses	MR-15	EPA	15	08-Feb-06	20-Jan-12	1-Feb-11	1-Aug-11	8-Feb-06			\$1,074,522	\$70,068	\$1,004,453			\$1,004,453	\$161,184	\$8,992,955	X			
Bayou Sale Shoreline Protection	TV-20	NRCS	13	28-Jan-04	20-Jan-11	1-Jun-10	1-Oct-10	29-Oct-03	1-Sep-12	1-Sep-13	\$2,254,912	\$1,124,702	\$1,130,210			\$1,130,210	\$462,819	\$32,103,020		X		
North Lake Boudreaux Basin Freshwater Intro and Hydro Mgt	TE-32a	FWS	6	na	1-Oct-10	4-Aug-09	29-Jun-10	10-Apr-07	1-Jan-11	1-Jan-13	\$12,289,133	\$1,750,946	\$7,066,174	\$239,962	\$3,245,424	\$10,551,561	\$10,324,537	\$20,470,882		X		
Lake Hermitage Marsh Creation	BA-42	FWS	15	08-Feb-06	21-Jan-09	26-Aug-08	3-Nov-08	11-Nov-08	1-Jun-11	1-Jun-12	\$37,875,710	\$81,283	\$37,770,881		\$23,546	\$37,794,427	\$37,796,134	\$38,040,158		X		
Small FW Diversion to the NW Barataria Basin	BA-34	EPA	10	10-Jan-01	1-Jan-12	1-Oct-11	1-Oct-12	10-Jan-01	1-May-12	13-May-13	\$2,362,687	\$640,493	\$1,735,123	\$4,109		\$1,739,232	\$228,238	\$14,777,050		X		
River Reintroduction into Maurepas Swamp	PO-29	EPA	11	07-Aug-01	1-Jan-13	4-Dec-08	1-Nov-11	3-Jun-09	1-Nov-13	1-Nov-16	\$6,780,173	\$5,276,919	\$1,782,521	\$40,740		\$1,823,261	\$139,114	\$165,975,707		X		
White Ditch Resurrection	BS-12	NRCS	14	17-Feb-05	20-Jan-12	1-Oct-10	1-Jul-11	3-Nov-04	1-Sep-12	1-Sep-13	\$1,595,677	\$701,826	\$893,851			\$893,851	\$167,421	\$14,845,193		X		
West Pointe a la Hache Outfall Management	BA-04c	NRCS	3	01-Oct-93	20-Jan-11	1-Jun-10	1-Oct-10	15-Sep-08	1-Sep-11	1-Sep-12	\$5,370,526	\$588,282	\$2,053,788	\$798,087	\$829,138	\$3,681,013	\$3,541,290	\$5,370,526		X		
Little Pecan Bayou Hydrologic Restoration	ME-17	NRCS	9	11-Jan-00	20-Jan-11	1-Aug-10	1-Nov-10	13-Apr-09	1-Oct-11	1-Sep-12	\$1,556,598	\$925,525	\$552,276	\$78,797		\$631,073	\$172,839	\$6,836,629		X		
Barataria Barrier Shoreline, Pelican Island to Chaland Pass (CU2)	BA-38	NMFS	11	16-Jan-02	28-Jan-04	1-Jun-03	1-Dec-03	1-May-09	25-Mar-06	1-Oct-11	\$75,569,537	\$20,764,830	\$44,324,027	\$283,276	\$242,633	\$44,849,936	\$5,128,744	\$77,109,222		X		
Delta Building Diversion North of Fort St. Philip	BS-10	COE	10	10-Jan-01	20-Jan-11	16-Aug-05	1-Nov-11	10-Jul-07	1-Apr-12		\$1,444,000	\$1,147,075	\$283,801	\$13,125		\$296,925	\$296,925	\$6,644,070			X	
Spanish Pass Diversion	MR-14	COE	13	28-Jan-04	20-Jan-13	6-Dec-11	18-Apr-12	28-Jan-04	1-Oct-13	30-Sep-14	\$1,421,680	\$310,151	\$1,112,214			\$1,112,214	\$1,115,214	\$14,212,169			X	
Grand Lake Shoreline Protection, Tebo Point	ME-21a	COE	11	16-Jan-02	15-Feb-07	11-May-04	16-Aug-04	20-Nov-06	na	na	\$4,381,643	\$278,557	\$2,958,588	\$14,559	\$632,613	\$3,605,760	\$3,605,760	\$4,409,519			X	
Grand Lake Shoreline Protection, O&M Only [CIAP]	ME-21b	COE	11	16-Jan-02	15-Feb-07	11-May-04	16-Aug-04	20-Nov-06	na	na	\$5,673,973	na	na		\$5,673,973	\$5,673,973	\$5,673,973	\$8,382,494			X	
Avoca Island Diversion and Land Building	TE-49	COE	12	16-Jan-03	20-Jan-13	23-Feb-12	31-May-12	10-Jan-03	15-Oct-13	15-Jul-14	\$2,229,876	\$1,716,949	\$537,348	\$43,619		\$580,967	\$592,345	\$19,157,216			X	
Freshwater Bayou Bank Stab - Belle Isle Canal to Lock	TV-11b	COE	9	11-Jan-00	20-Jan-11	1-Jun-02	1-Jan-04	11-Nov-08	1-Sep-11	30-Jun-12	\$1,498,967	\$1,101,738	\$283,328	\$113,901		\$397,229	\$397,229	\$38,065,335			X	
Ship Shoal: Whiskey West Flank Restoration	TE-47	EPA	11	16-Jan-02	26-Jan-11	8-Nov-04	28-Sep-05	21-Jan-09	15-Jan-12		\$3,742,053	\$2,021,262	\$1,724,737	\$18,941		\$1,743,678	\$408,354	\$61,750,784			X	
GIWW Bank Rest of Critical Areas in Terrebonne	TE-43	NRCS	10	10-Jan-01	20-Jan-10	25-May-04	26-Aug-04	21-Jan-09	1-Dec-10	1-Jul-11	\$1,735,983	\$1,166,082	\$603,655	\$8,634		\$612,289	\$576,931	\$15,304,924			X	
Riverine Sand Mining/Scofield Island Restoration	BA-40	NMFS	14	17-Feb-05	20-Jan-11	16-Mar-10 (A)	9/1/2010 (s)	5-Nov-04	18-Jan-11	1-Sep-11	\$3,221,887	\$2,277,158	\$1,624,899	\$10,514		\$1,635,413	\$2,876,777	\$44,544,636			X	
Rockefeller Refuge Gulf Shoreline Stabilization	ME-18	NMFS	10	10-Jan-01				10-Jan-01			\$2,408,478	\$1,334,429	\$1,069,396	\$6,931		\$1,076,327	\$1,074,057	\$95,988,637			X	
Benneys Bay Diversion	MR-13	COE	10	10-Jan-01	20-Jan-12		1-Nov-11	10-Jan-07	1-Mar-12	1-Nov-13	\$1,076,328	\$819,135	\$75,785	\$25,259		\$101,044	\$101,044	\$30,297,105				X
Weeks Bay MC/SP/Commercial Canal/FW Redirection	TV-19	COE	9	11-Jan-00	na	na	na	21-May-03			\$1,229,337	\$531,853	\$659,549	\$37,935		\$697,484	\$697,484	\$30,027,305				X
Fort Jackson Sediment Diversion	na	COE	na	na	na	na	na	na	na	na	\$411,750	\$408,252	\$3,498	na	na	\$3,498	\$3,498	na				X
South Pecan Island FW Intro	ME-23	NMFS	15	08-Feb-06	20-Jan-11	24-Sep-08	31-Dec-09	22-Sep-08			\$1,102,043	\$639,854	\$696,553			\$696,553	\$118,352	\$4,438,695				X
Brown Lake Hydrologic Restoration (PENDING DEAUTH)	CS-09	NRCS	2	19-Oct-92	na	na	na				\$4,002,363	\$956,086	\$2,157,653	\$392,645	\$432,226	\$2,982,524	\$2,200,493	\$4,002,363				X

\* Use actual or current schedule date for design review and construction schedules

na= Not applicable (Cash Flow, Complex, or PENDING DEAUTH)

Updated:

FWS
NMFS
EPA
COE
NRCS

	Current Approved Funded Budget	1st cost Unexpended	Monitoring Unexpended	O&M Unexpended	TOTAL Unexpended	TOTAL Unobligated	Current Total FF Cost Est. On Books
On Schedule	\$5,687,854	\$3,374,998	\$42,596	\$0	\$3,417,594	\$1,721,477	\$73,505,711
Project Issue Delays	\$145,654,953	\$97,308,851	\$1,444,970	\$4,340,741	\$103,094,563	\$57,961,136	\$375,528,387
Program Issue Delays	\$27,758,540	\$10,197,966	\$230,222	\$6,306,586	\$16,734,775	\$16,617,565	\$308,459,784
Deauthorize/Transfer	\$4,002,363	\$2,157,653	\$392,645	\$432,226	\$2,982,524	\$2,200,493	\$4,002,363
Over \$50 million	\$14,418,782	\$4,655,937	\$91,870	\$0	\$4,747,807	\$1,726,066	\$354,012,233

## Projects On Schedule

Project Name	Project No.	Agency	PPL	Milestones
Sabine Refuge Marsh Creation, Cycle 4	CS-28-4	COE	8	This project was broken into five construction cycles. Cycle IV Environmental Compliance is complete. Final plans and specs not yet prepared. The CWPPRA Task Force has deferred construction funding approval for Cycles IV and V until construction of pipeline is complete. Project does not have a CSA.
Sabine Refuge Marsh Creation, Cycle 5	CS-28-5	COE	8	This project was broken into five construction cycles. Cycle V Environmental Compliance is complete. Final plans and specs not yet prepared. The CWPPRA Task Force has deferred construction funding approval for Cycles IV and V until construction of pipeline is complete. Project does not have a CSA.
South Grand Chenier Hydrologic Restoration	ME-20	FWS	11	Phase 2 construction TF approval recommended by Technical Committee on 12-2-2009, and approved by the Task Force at its January 2010 meeting. Final Designs are currently being prepared and landrights being completed.
Venice Ponds Marsh Creation & Crevasses	MR-15	EPA	15	Surveys have been completed and geotech is scheduled for Spring of 2010. 30% Review in 2011.

## Projects Delayed by Project Delivery Team Issues

Project Name	Project No.	Agency	PPL	Project Issue Delays	Critical Milestone(s)
North Lake Boudreaux Basin Freshwater Intro and Hydro Mgt	TE-32a	FWS	6	Project Features	Project is tied into hurricane protection levee work and parish will supply funding for portion of that work. Questions regarding this arrangement (parish asked to chip in for larger levee- raising levee to flood height). Project met 95% -scheduled to request a scope change and construction funding in Sep 2010
Lake Hermitage Marsh Creation	BA-42	FWS	15	Landrights	Since receiving Phase 2 approval in January 2009, the project has encountered landrights problems which will prevent going to construction in 2010. At best, the project will go to construction in summer 2011.
Small FW Diversion to the NW Barataria Basin	BA-34	EPA	10	Modeling Results	The primary landowner is now fully supportive of the project and has given approval to continue Phase I studies. Hydrodynamic modeling results should be available soon. Feasibility report due Aug 2010.
River Reintroduction into Maurepas Swamp	PO-29	EPA	11	Gap Analysis	95% Design Review in Dec 11, Request Phase II in Jan 13. EPA, OCPR and COE working on details to perform "Gap Analysis" to determine what is needed should the project be moved to LCA.
White Ditch Resurrection	BS-12	NRCS	14		2005 - 2008 – Setbacks include impacts and changes to hydrology associated with Hurricanes Katrina, Rita, and Gustav. 30% scheduled for Apr 2011. OCPR looking at landrights on preferred alignment based on modeling report. Project plans an August 2010 Design Start date
West Pointe a la Hache Outfall Management	BA-04c	NRCS	3	Scope Change in Past	Surveys completed, geotechnical analysis underway. Project is scheduled to request construction approval in January 2011. Project construction anticipated to begin May 2011.
Little Pecan Bayou Hydrologic Restoration	ME-17	NRCS	9	Landowner concerns in Past	Design surveys are completed. The project will not perform geotechnical investigation as previously scheduled, instead the analysis for ME-20 will be used. Pipeline coordination ongoing. Anticipated date of 30% review is Aug 2010. Landrights remain to be executed. Phase II funding request in January 2011.
Barataria Barrier Shoreline, Pelican Island to Chalant Pass (CU2)	BA-38	NMFS	11	Landrights/Oysters	Construction contract on hold pending oil spill issues (contaminates testing and emergency berm construction) Project may shift landward slightly (north) & will entail additional oyster leases and landrights
Bayou Sale Shoreline Protection	TV-20	NRCS	13	Pipeline	Project reduced scope eliminating 123 acres of marsh due to borrow complications. Project issue delays are major pipelines. DNR is looking at removal of pipelines under their "orphan program;" if that doesn't work NRCS will look at doing a "contract-out" to remove pipeline. 30% Review in 2011.

## Projects Delayed by Programmatic Issues (e.g., CSAs, Induced Shoaling, Funding Availability)

Project Name	Project No.	Agency	PL	Issue Category	Critical Milestone(s)	Current Phase
Delta Building Diversion North of Fort St. Philip	BS-10	COE	10	Emergency Closure Plan/Induced Shoaling Issue/CSA	<ul style="list-style-type: none"> <li>All work is on hold pending approval of a new Cost Share Agreement.</li> <li>The USACE's goal is to hold meetings with LDNR to resolve the emergency closure plan issues</li> </ul>	I
Spanish Pass Diversion	MR-14	COE	13	CSA	<ul style="list-style-type: none"> <li>All work is on hold pending approval of a new Cost Share Agreement.</li> <li>Benefits to be realized changed from 334 to 190 acres. A smaller diversion is proposed along with dedicated dredging/marsh creation to result in an equivalent amount of acreage as originally proposed.</li> </ul>	I
Grand Lake Shoreline Protection, O&M Only [CIAP]	ME-21b	COE	11	CSA	<ul style="list-style-type: none"> <li>All work is on hold pending approval of a new Cost Share Agreement.</li> <li>The actual cost estimate for the different work segments are not consistent with the way the Task Force broke the project up when approved for construction. CWPPRA invested \$6,300,000 in the first three yrs of O&amp;M for both segments. The Tebo Point portion has yet to be built.</li> </ul>	II
Grand Lake Shoreline Protection, Tebo Point	ME-21a	COE	11	CSA	<ul style="list-style-type: none"> <li>All work is on hold pending approval of a new Cost Share Agreement.</li> <li>The Tebo Point portion will have to be built separately. It is highly unlikely that the CWPPRA Tebo Point portion will be under the approved \$2.7 M amount, 5 yrs later.</li> </ul>	II
Avoca Island Diversion and Land Building	TE-49	COE	12	Project features/ CSA	<ul style="list-style-type: none"> <li>All work is on hold pending approval of a new Cost Share Agreement.</li> <li>Potential Change in project scope for dedicated dredging marsh creation being considered. Decision to change scope and move toward 30% design review pending resolution of OCPR's geotechnical concerns and concurrence on final project features.</li> </ul>	I
Freshwater Bayou Bank Stab - Belle Isle Canal to Lock	TV-11b	COE	9	CWPPRA Program Funding Limitations	<ul style="list-style-type: none"> <li>All work is on hold pending approval of a new Cost Share Agreement.</li> <li>Will seek construction authorization in January 11 from CWPPRA Task Force for the 6th time since Fall 2004.</li> </ul>	I
Ship Shoal: Whiskey West Flank Restoration	TE-47	EPA	11	CWPPRA Program Funding Limitations	<p>A resurvey the island was conducted after the 2009 Hurricane Season to verify validity of plans and specifications. The results of the survey show that quantities and have actually decreased by approximately 100,000 cubic yards. While the project is still viable, it is likely that some adjustments to the plans and specifications will be required once Phase 2 approval has been obtained. It does not appear to be practical to address these adjustments until phase 2 approval has been obtained. Likewise, a lease from MMS must be obtained prior to construction but cannot be negotiated until Phase 2 funds are obtained.</p>	I
GIWW Bank Rest of Critical Areas in Terrebonne	TE-43	NRCS	10	CWPPRA Program Funding Limitations	<p>NRCS is preparing to request bids for project construction. Anticipate project construction to begin January 2011.</p>	I
Rockefeller Refuge Gulf Shoreline Stabilization	ME-18	NMFS	10	CWPPRA Program Funding Limitations	<p>Prototype test sections will be conducted under CIAP. When analysis of monitoring complete in August 2010, will pursue full project implementation under CWPPRA based on results. Anticipate project construction funding request in 2012</p>	I

## Projects Recommended for Deauthorization or Transfer to Other Program

Project Name	Project No.	Agency	PL	Transfer or Deauthorize	Reason(s) for Potential De-authorization
Fort Jackson Sediment Diversion (complex project)	NA	COE			<ul style="list-style-type: none"> <li>• Currently waiting to see if a diversion at this location is in the State's Final Master Plan</li> <li>• A determination would then have to be made if the project is still a viable and fundable project in the CWPPRA program.</li> <li>• Limited CWPPRA \$ to fund project.</li> </ul>
Benneys Bay Diversion	MR-13	COE	10	Induced Shoaling/CS A	95% Design submitted to LDNR in October 2006. Project delayed by LDNR disagreement with the overall O&M funding approach associated with induced sholing in the Mississippi River.
Weeks Bay MC/SP/Commercial Canal/FW Redirection	TV-19	COE	9	Deauthorize	<p>Extensive study of the area conducted under numerous authorities failed to find sufficient environmental benefits to justify the project. As a result of project cost increases, there is no longer a constructable/ cost-effective project. Task Force had given local interest until Spring 2008 to test effectiveness of HESCO baskets as shoreline protection. It was indicated that the HESCO basket demonstration failed. The Project delivery team provided local interest with all technical engineering data collected under the CWPPRA Program. Local interest decided to initiate a redesign and engineering of the project using restoration techniques addressed in the Value Engineering Study (VES) for the Weeks Bay project (TV-19). The Technical Committee has requested that the local interest provide a six month progress report at the December 2009 Technical Committee and the January 2010 Task Force meeting.</p> <p>The project is currently in the Reconnaissance Phase which is expected to be completed in August 2011. After the completion of this phase a meeting will be held to discuss its findings and present a plan for moving forward for the approval of Iberia and Vermilion Parish as well as project stakeholders. Upon approval of a plan to move forward Shaw will initiate the Preliminary Study Phase which is expected to have a duration of 90 days ending with the submission of the Preliminary Study Report for review and comment to Iberia and Vermilion Parish as well as project stakeholders. The Final Study Phase will begin once comments and/or approval of the Preliminary Study Report is received and is expected to have a duration of 40 days ending with the submission of the Final Study Report including all design alternatives and cost estimates evaluated as well as a recommendation as to which alternative is most feasible.</p> <p>Schedule a report on status at Winter 2010 Technical Committee meeting.</p>
Brown Lake Hydrologic Restoration (PENDING DEAUTH)	CS-09	NRCS	2	Deauthorize	Landowners refused to accept project change from hydrologic restoration to terraces, and therefore no longer support the project. Deauthorization procedures began at October 2009 Task Force meeting.
South Pecan Island FW Intro	ME-23	NMFS	15	Landrights	The project team will recommend project for deauthorization at Fall 2010 TC meeting, due to unwilling landowner

## Projects with Phase II Estimate > \$50 Million

Project Name	Project No.	Agency	PPL	Phase I Estimate	Phase II Estimate	Total Estimate*
Benneys Bay Diversion	MR-13	COE	10	\$1,076,328	\$52,626,553	\$53,702,881
Fort Jackson Sediment Diversion (Complex Project)	NA	COE	N/A	\$7,447,505	\$101,409,795	\$108,857,300
River Reintroduction into Maurepas Swamp	PO-29	EPA	11	\$6,780,307	\$171,346,693	\$178,127,000
Ship Shoal: Whiskey West Flank Restoration	TE-47	EPA	11	\$3,114,433	\$57,142,254	\$60,256,687
Rockefeller Refuge Gulf Shoreline Stabilization	ME-18	NMFS	10	\$2,408,478	\$94,058,749	\$96,467,227
				\$20,827,051	\$476,584,044	\$497,411,095

## P&E Teleconference on SOUP

Wed, 21 July 2010

Melanie Goodman's Office, Room 137, New Orleans District Corps of Engineers

### Teleconference Participants:

Melanie Goodman, Travis Creel, Susan Hennington, Rachel Sweeney, John Jurgensen, Daryl Clark, Kelley Templet, Brad Crawford, Chris Williams and others

### Items of Discussion:

Referencing "PPL 1 thru 15 Unconstructed Projects Summary Spreadsheet dated 2 Jul 2010, discussed projects as follows:

1. CS-28 Sabine Refuge Cycles 4 & 5— possibly moving to the BUDMAT program; Bill Hicks' team is working this option – need to obtain full commitment from the state before transfer could occur.
2. ME-20 South Grand Chenier – no comments from group.
3. MR-15 Venice Ponds Marsh Creation – 30% review in 2011, geotech work underway currently- is almost complete. Project is still on schedule - needs a jack-up barge.
4. TV-21 East Marsh Island Marsh Creation – is under construction but has been delayed by BP oil spill; needs to be removed from the SOUP spreadsheet.
5. TV-20 Bayou Sale Shoreline Protection – missing Fact Sheet on LaCoast.gov site; project issue delays are major pipelines- the problem is access- DNR is looking at removal of pipelines under their "orphan program;" if that doesn't work NRCS will look at doing a "contract-out" to remove pipeline. Needs new timeline for 30% review – to occur in 2011- and scope change; need to change SOUP spreadsheet to indicate "Project Issue Delays" instead of "On Schedule."
6. ME-21a Grand Lake-Tebo Point – Project held up on CSA issues (i.e. indemnification clause, dual authority to expend dollars on the federal side).
7. ME-21b Grand Lake-O&M only (CIAP project) – This project held up for same reasons stated above. This project may not need lift until year 5; landowner ("Miami Corporation") has concern regarding project.
8. TE-49 Avoca Island Diversion and Land Building – CSA issue again; OCPR has technical issues with design & needs more info to insure project viability; MVN Eng Div working with geotech to answer OCPR questions; project requires scope change to address proposed dedicated dredging to create marsh component & reduction of diversion to two culverts thru levee wall. SOUP spreadsheet needs to be revised to reflect change from "Project Issue Delays" to "Program Issue Delays."

9. Fort Jackson – Is a “complex project under Phase 0;” need to dust off summary report & pursue project close-out; project close-out will be presented at the Fall 2010 Tech Committee meeting.
10. TE-32a North Lake Boudreaux Basin Freshwater Intro and Hydrologic Management – requires change in scope (anticipate occurrence in Sep 2010); cost increase; and funding request. Project is tied into hurricane protection levee work and parish will supply funding for portion of that work - there are many questions regarding this arrangement (parish asked to chip in for larger levee- raising levee to flood height). Project met 95% - is scheduled to request construction funding in Sep 2010- is a non cash-flow project. Needs change in scope to happen ASAP (benefits: 345 to 173 acres; no cost; will need O&M; has to contribute to flood control; no basis for what to contribute to levee.... \$ 1 million; project has regulatory issues).
11. BA-32 Lake Hermitage Marsh Creation – has landowner issues (landowner wants more money); USFWS does not expropriate – parish is moving toward expropriation; need to check on landrights status in Jan 2011.
12. BA-34 Small Freshwater Diversion to the NW Barataria Basin – deficiencies on survey data delayed; feasibility report due Aug 2010; project team decision due October 2010; interim briefing because of landowner’s interest in the Coastal Forest Program; milestone: feasibility report summary; EPA & OCPR work together to send email to P&E by Oct 2010.
13. PO-29 River Reintroduction into Maurepas Swamp – will transfer to another program in 2011; GAP analysis supposed to be done to facilitate transfer. Need to provide Notice of Transfer. EPA lost reimbursable authority in April, work on funding mechanism continues. At an off-site meeting NMFS indicated that a plan was discussed. OCPR is working on it- on having URS design the project. Actual transfer to occur in FY 12.
14. BS-12 White Ditch Resurrection – 30% scheduled for Apr 2011; is up for funding next year (construction approval Dec 2011/Jan 2012 timeframe). OCPR looking at landrights on preferred alignment based on modeling report. Landowners do not want increase in water level – results of modeling to be sent out this week (by 23 July 2010). Nearby landowner Albertine Kimble said to move the alignment to her property to avoid problems- she would let CWPPRA do project however CWPPRA deemed appropriate. This project plans an August 2010 Design Start date.
15. BA-04c West Pointe a la Hache Outfall Management – needs revised schedule- this possible schedule discussed: will have completed design by Oct, with draft design later, funding request this year but 30% design review date is uncertain. Change in scope has been done and the benefits revised. This project changed to cash flow; needs 30 – 95% review (even if pre- cash flow status).
16. TE-34 Penchant Basin Natural Resources Plan, Increment 1 – this project is under construction – needs to be removed from the SOUP spreadsheet.
17. ME-17 Little Pecan Bayou Hydrologic Restoration – NRCS is trying to get landrights before 30% date- estimate 30% to occur in Aug 2010 timeframe (actual date to be announced); change

of scope was completed and approved a long time ago; will have funding request this year; is a landowner (Val Miller) possible issue (same landowner as Grand Chenier project, and for the South Pecan FW Intro project too)- landowner is willing to do this voluntarily- willing to cooperate- but didn't like terraces yet agreed to salinity changes.

18. ME-23 South Pecan Island Freshwater Introduction – has landowner issue (as mentioned above) – NOAA now has no interest in doing the project (not willing to pursue with an unwilling landowner) and the state concurs; there is an existing draft WVA which needs to be wrapped up into project so is ready if opportunity arises to implement it in the future. Meanwhile, project deauthorization will be pursued. NMFS asked if they could conduct the deauthorization process instead of the Corps (write the letters). Corps will check to out the CWPPRA SOP and applicable statutes & provide answer to NMFS' question to the P&E.

19. BA-40 Riverine Sand Mining Scofield Island Restoration – will do scope change in Fall 2010 Technical Committee meeting and construction funding request in 2012. Progress has been made with OCPR modelers working to answer Corps' questions in regard to river impacts; project delayed until 2012 or later.

20. BA-38 Barataria Barrier Shoreline, Pelican Island to Chalant Pass (CU2) – issue with offshore dumping (ocean dumping a “sacred” issue- also probably for Federal maintenance dredging folks). Issues have been affected by the BP oil spill. Change in scope still in draft (only conceptual); project may shift landward slightly (north) & will entail additional oyster leases and landrights; berm is currently under construction. Project team decision will be made in Fall 2010. Need to shift project to “Program Issue Delay” column on SOUP spreadsheet.

21. BS-10 Delta Building Diversion North of Ft. St. Philip – emergency closure plans can probably be resolved quickly with state agreement; CSA issue has halted all work.

22. MR-14 Spanish Pass Diversion – CSA issue.

23. TV-11b Freshwater Bayou Bank Stabilization – Belle Isle Canal to Lock – CSA issue; project is ready to construct; need costs reviewed by Eng Workgroup prior to new request for Phase 2 funding. Looking at risk potential as a way to get around the CSA problem.

24. TE-47 Ship Shoal: Whiskey West Flank Restoration – ready to construct; state completed surveys last year, quantities decreased, maybe minor modifications needed. Send to Workgroups for review – including review of costs by the Eng Workgroup prior to new request for Phase 2 funding in Dec 2010.

25. TE-43 GIWW Bank Restoration of Critical Areas in Terrebonne – is delayed because of eagles' presence; next month (Aug 2010) will be in contracting; will be moving rock in Jan 2011 (on schedule to go to construction).

26. ME-18 Rockefeller Refuge Gulf Shoreline Stabilization – holding pending CIAP; test sections completed; one year post construction monitoring through Dec 2010; review of results to be completed in Spring 2011; construction funding request in 2012; project needs to be updated in LaCoast.gov database.

27. MR-13 Benneys Bay Diversion – induced shoaling and CSA issues; was on deauthorization/transfer list but not on there now. Tech Committee wants it on SOUP's project list- it is a CEQ Roadmap exercise underway to try & remove implementation issues – will be sent to CEQ.

28. TV-19 Weeks Bay Marsh Creation/Shoreline Protection/Commercial Canal Freshwater Reintroduction – one parish has received CIAP funds; the other parish has not. Recon study due Aug 2010; preliminary study due Sept 2010, Final Report due Jan 2011. Will schedule a report on status at Winter 2010 Technical Committee meeting.

29. Brown Lake Hydrologic Restoration (CS-09) – moving out to deauthorization.

Note: These meeting notes were compiled from individual notes taken by John Jurgensen, Melanie Goodman, and Susan Hennington during the 21 Jul 2010 teleconference (pdfs of each person's individual notes and the subject SOUP spreadsheet are available).

Susan Hennington,  
29 July 2010

**Status Review - Unconstructed CWPPRA Projects  
June 4, 2010**

**1. Project Name (and number):** River Reintroduction into Maurepas Swamp (PO-29)

**2. PPL:** 11

**3. Federal Agency:** US Environmental Protection Agency

**4. Date of Construction Approval / Phase Two Approval:** Anticipated January 2013

**5. Approved Total Budget:** \$6,780,173

**6. Fully Funded Cost Estimate:** Estimate for Phase I Approval - \$37,531,000 (August 7, 2001), Estimate for Project Scope Change - \$165,975,707 (June 3, 2009)

**7. Expenditures:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)

**8. Unexpended Funds:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)

**9. Estimate of anticipated funding increases, including O&M:** No anticipated CWPPRA funding increase to complete Phase I work. A revised 30% cost estimate has been developed to include OMRR&R, admin, landrights, etc. in the amount of \$178,127,000. .

**10. Potential changes to project benefits:** Unknown at this time.

**11. Brief chronology of project development and issues affecting implementation:** 30% Design Review was held December 4, 2008. Initial responses to comments were submitted to commenting agencies. 30% Letter to Technical Committee was sent. The “change in scope” resulting from the increase in estimated construction costs was approved by the Task Force in June 2009. The Task Force also directed the sponsors to work with USACE to perform a gap analysis on the work done to date and further address comments on the 30% design report.

Meanwhile, various studies have been completed to support NEPA requirements, including fish and wildlife, water quality, HTRW, cultural resources, noise, etc. Work is ongoing to draft an Environmental Information Document (EID), which can be used later as the basis for an EIS or EA. Work is ongoing to synthesize and integrate information from various sources, including, but not limited to, reports generated specifically for this project, to meet the requirements of NEPA. We also continue, from time to time, to conduct targeted outreach efforts on the project, which are also intended to contribute to the public involvement requirements of NEPA.

Significant efforts on land rights are underway. However, land values in the area have increased greatly since we were first granted permission to acquire landrights in Phase 1 using existing funds. Sufficient funds don't exist in the project budget to acquire landrights in Phase 1. However, OCPR has signaled their intent to obtain landrights using "state-only" funds.

Over the past few months, EPA, OCPR, and COE have been developing the details and formal basis for conducting a "Gap Analysis" to determine to what extent the existing CWPPRA project might meet COE LCA requirements, in the event that the project is transferred to the COE LCA program. Due to a series of administrative challenges, implementation of the gap analysis has yet not begun.

**12. Current status/remaining issues:** Feasibility phase complete. Actual engineering and design work complete to 30%. 30% Design Review held December 4, 2008. Initial responses to comments forwarded to agencies. Letter to Technical Committee sent. NEPA work ongoing. OCPR to obtain landrights using state-only funds. EPA, OCPR, and COE working on details and formal agreement on "Gap Analysis" to determine what is needed should the project be moved to LCA. OCPR has recently entered into a contract with URS to continue with the project's E&D.

**13. Projected schedule:**

- 30% Design Review: December 2008
- GAP Analysis Start: June 2010
- GAP Analysis Completion: August 2010
- 95% Design Review: November 2011
- Design Completion: March 2012
- Phase 2 Approval: January 2013
- Construction Start: November 2013

**14. Preparer:** Brad Crawford, (214-665-7255), [crawford.brad@epa.gov](mailto:crawford.brad@epa.gov), Kenneth Teague, EPA (214-665-6687), [teague.kenneth@epa.gov](mailto:teague.kenneth@epa.gov))

**Status Review - Unconstructed CWPPRA Projects**  
**June 4, 2010**

**1. Project Name (and number):** Small FW Diversion into NW Barataria Basin (BA-34)

**2. PPL:** 10

**3. Federal Agency:** EPA

**4. Date of Construction Approval / Phase Two Approval:** Anticipated January 2013

**5. Approved Total Budget:** \$2,362,687

**6. Fully Funded Cost Estimate:** \$14,777,050 (January 10, 2001)

**7. Expenditures:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)

**8. Unexpended Funds:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)

**9. Estimate of anticipated funding increases, including O&M:** None anticipated at this time.

**10. Potential changes to project benefits:** Project benefits will likely need to be reevaluated based on improved knowledge of hydrology, revised diversion alignment, and possibly due to deletion of some secondary project features. Modeling is in progress.

**11. Brief chronology of project development and issues affecting implementation:** Modeling results indicated gaps in existing survey data, hence, OCPR contracted additional survey work conducted in Spring 2010. The results should be available soon. Once modeling results are available, we can: 1) confirm the project viability/feasibility; 2) if necessary, revise general project features and cost estimate; 3) begin engineering and design work.

**12. Current status/remaining issues:** St. James parish was/is actively negotiating the purchase of large tracts of land with CIAP funds west of LA20 and adjacent to the project area, and more importantly, relatively large swaths of land in and around the proposed diversion channel alignment. St. James parish is extremely supportive of this CWPPRA project. The primary landowner for the benefit area, is now fully in support of the project and has given OCPR approval to continue Phase I studies on his property. Modeling is nearing completion. No remaining issues, other than the fact the project was previously delayed by the prior landrights issue and limitation in survey data has delayed modeling results by approximately three (3) months. Current 30% E&D is scheduled for October 2011. OCPR has also revised the overall schedule to reflect a more realistic time-frame for E&D on a diversion project.

**13. Projected schedule:**

- Project Decision on Modeling: August 2010
- 30% Design Review: October 2011
- 95% Design Review: October 2012
- Design Completion: December 2012
- Phase 2 Approval: January 2013
- Construction Start: May 2013

**14. Preparer:** Brad Crawford, (214-665-7255), [crawford.brad@epa.gov](mailto:crawford.brad@epa.gov)

**Status Review - Unconstructed CWPPRA Projects  
June 4, 2010**

- 1. Project Name:** Venice Ponds Marsh Creation & Crevasses (MR-15)
- 2. PPL:** 15
- 3. Federal Agency:** US Environmental Protection Agency
- 4. Date of Construction Approval / Phase Two Approval:** Anticipated January 2012
- 5. Approved Total Budget:** \$1,074,522
- 6. Fully Funded Cost Estimate:** \$8,992,955 (February 8, 2006)
- 7. Expenditures:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)
- 8. Unexpended Funds:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)
- 9. Estimate of anticipated funding increases, including O&M:** No anticipated CWPPRA funding increase for Phase I work.
- 10. Potential changes to project benefits:** Unknown at this time.
- 11. Brief chronology of project development and issues affecting implementation:**

Phase I approval was received on February 8, 2006. MOA established between USACE/EPA/OCPR to transfer project from USACE to EPA for design and construction of project. EPA cost share agreement with OCPR to perform Phase 1 E&D was completed on May 28, 2009. A project site visit was conducted on October 29, 2009.
- 12. Current status/remaining issues:** A project site visit was conducted on October 29, 2009. Data collection efforts are well under way. Surveys have been completed and geotech is scheduled for Spring of 2010. While the geotech investigations had a slight delay, the overall project schedule is consistent with our last year's SOUP report. (i.e. no delays in project complete completion are anticipated).
- 13. Projected schedule:**
  - 30% Design Review: February 2011
  - 95% Design Review: August 2011
  - Design Completion: October 2011
  - Phase 2 Approval: January 2012
  - Construction Start: April 2012
- 14. Preparer:** Brad Crawford, (214-665-7255), [crawford.brad@epa.gov](mailto:crawford.brad@epa.gov)

**Status Review - Unconstructed CWPPRA Projects  
June 2010**

- 1. Project Name (and number):** Barataria Barrier Shoreline (BA-38), Construction Unit 1 (Chaland) and CU2 (Pelican)
- 2. PPL:** 11
- 3. Federal Agency:** NOAA
- 4. Date of Construction Approval / Phase Two Approval:** January 2004
- 5. Approved Total Budget:** \$75,569,537
- 6. Fully Funded Cost Estimate:** \$77,109,222 (May 2009)
- 7. Expenditures:** \$20,764,830 (estimated)
- 8. Unexpended Funds:** \$45,729,680 (estimated)
- 9. Estimate of anticipated funding increases, including O&M:**  
Funding increase authorized by Task Force in May 2009.
- 10. Potential changes to project benefits:**  
Minor decrease in CU2 benefits.
- 11. Brief chronology of project development and issues affecting implementation:**  
CU1 delayed over one year due to oyster issues, and further delayed due to access issues caused by 2005 storm impacts. CU1 complete December 2006.  
CU2 delayed since Phase 2 authorization due to oyster issues and landrights expirations.
- 12. Current status/remaining issues:**  
Updated design surveys completed and quantity and costs updated. ESA re-consultation, NEPA and amendment to MMS OCS sand mining MOA in progress.
- 13. Projected schedule:**  
Construction contract advertisement on hold pending resolution of issues related to the DWH incident (need to evaluation of potential contaminants and issues relating to construction of emergency berm).
- 14. Preparer:**  
Rachel Sweeney

*Revised June 2010 (RWS)*

**Status Review - Unconstructed CWPPRA Projects  
June 4, 2010**

- 1. Project Name:** Ship Shoal: Whiskey West Flank Restoration (TE-47)
- 2. PPL:** 11
- 3. Federal Agency:** US Environmental Protection Agency
- 4. Date of Construction Approval / Phase Two Approval:** Anticipated January 2010
- 5. Approved Total Budget:** \$3,742,053
- 6. Fully Funded Cost Estimate:** \$61,750,785 (November 13, 2009)
- 7. Expenditures:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)
- 8. Unexpended Funds:** \$ [REDACTED] (as of [REDACTED] Source: Gay Browning)
- 9. Estimate of anticipated funding increases, including O&M:** No anticipated CWPPRA funding increase for Phase I work. A revised fully funded cost estimate in the amount of \$61,750,053 was developed for the January 2010 Phase II funding request. This is \$9,609,925 increase to the prior January 2009 Phase II funding request in the amount of \$52,140,860.
- 10. Potential changes to project benefits:** N/A – Phase 1 Completed.
- 11. Brief chronology of project development and issues affecting implementation:** Phase I approval was received on January 16, 2002, 30% E&D Review on November 8, 2004, and the 95% E&D Review was held on September 28, 2005. Phase 2 approval requests were request in 2006, 2007, 2008, 2009, and 2010. CWPPRA funding has been insufficient to fund this project to date.
- 12. Current status/remaining issues:** Phase 1 E&D has been completed, but project has not yet been selected for Phase 2 construction funding. Sponsors have considered numerous options to move the project forward including re-scoping and/or seeking alternative funding sources. Because of the nature of the project, these re-scoping alternatives do not appear to be practical. A resurvey the island was conducted after the 2009 Hurricane Season to verify validity of plans and specifications. The results of the survey show that quantities and have actually decreased by approximately 100,000 cubic yards. While the project is still viable, it is likely that some adjustments to the plans and specifications will be required once Phase 2 approval has been obtained. It does not appear to be practical to address these adjustments until phase 2 approval has been obtained. Likewise, a lease from MMS must be obtained prior to construction but cannot be negotiated until Phase 2 funds are obtained. A slight modification to the schedule has been made to address these issues.

**13. Projected schedule:**

- 30% Design Review: November 8, 2004
- 95% Design Review: September 28, 2005
- Design Completion: September 29, 2005
- Project Resurvey: November 2009
- Phase 2 Approval: January 2011
- Construction Start: April 2012

**14. Preparer:** Brad Crawford, (214-665-7255), [crawford.brad@epa.gov](mailto:crawford.brad@epa.gov)

**Status Review - Unconstructed CWPPRA Projects  
June 2010**

- 1. Project Name (and number):** Riverine Mining – Scofield Island Restoration (BA-40)
- 2. PPL:** 14
- 3. Federal Agency:** NOAA
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$3,221,887
- 6. Fully Funded Cost Estimate:** \$44,544,636 (November 5, 2004)
- 7. Expenditures:** \$2,277,158 expended; \$2,876,777 obligated
- 8. Unexpended Funds:** ± \$500,000
- 9. Estimate of anticipated funding increases, including O&M:**

Anticipated estimated construction cost increase. Will be proposed as change in project scope subsequent to Preliminary Design Review
- 10. Potential changes to project benefits:**

None
- 11. Brief chronology of project development and issues affecting implementation:**
  - RSIQ for engineering services advertised June 2005
  - Engineering contract awarded November 2006.
  - Geotechnical and geophysical investigations of two river sand borrow areas complete. Design surveys of island and conveyance route complete.
  - Mississippi River modeling to assess hydraulics complete.
  - Island engineering (sediment budget, cross and longshore modeling, preliminary design) complete.
  - Preliminary Design review delayed until January/February 2010.
- 12. Current status/remaining issues:**

Additional cultural resources investigations of one River borrow area may be required.
- 13. Projected schedule:**
  - Preliminary Design review anticipated March 2010.
  - Request for change in project scope (increased construction costs) Fall 2010.
  - Major issues remain involving COE consideration of river hydraulics modeling
- 13. Preparer:**

Rachel Sweeney

*Revised June 2010 (RWS)*

**Status Review - Unconstructed CWPPRA Project**  
**26 May 2010**

- 1. Project Name (and number):** South Pecan Island Freshwater Introduction Project, ME-23
- 2. PPL:** 15  
Phase 1 was authorized in February 2006.
- 3. Federal Agency:** NMFS
- 4. Date of Construction Approval / Phase Two Approval:** NA
- 5. Approved Total Budget:** Current funding - Phase 1 approved funding \$1,102,043
- 6. Fully Funded Cost Estimate:** \$4,438,695 (22-Sep-08)
- 7. Expenditures:** \$639,854 (May 3, 2010)
- 8. Unexpended Funds:** \$386,453 (May 3, 2010)
- 9. Estimate of anticipated funding increases, including O&M:** NA
- 10. Potential changes to project benefits:** NA
- 11. Brief chronology of project development and issues affecting implementation:**
  - February 2006 – Phase 1 Approval
  - April 2006 – Project work plan developed.
  - June 2006 – Preliminary Engineering SIQ site visit.
  - February 2007 – Site visit with selected E&D contractor CH Fenstermaker.
  - June 12, 2007 – Discuss conceptual project with Val Miller (1/8 undivided interest land owner).
  - June 18, 2007 – Discuss conceptual project with remaining Miller Estate heirs.
  - June 21, 2007 - Discuss conceptual project with Vermilion Corporation.
  - July 9, 2007 – The NMFS/OCPR host project kick-off meeting with E&D contractor.
  - July 2007 – Data acquisition begins.
  - April 2008 – Meet with OCPR Monitoring to discuss monitoring plan.
  - May 2008 – Review hydrologic modeling output.
  - June 2008 – Make final selection of conveyance channel alignment.
  - July 2008 – Present preliminary project design to landowners.
  - August 2008 – Preliminary design report submitted.
  - September 2008 – Preliminary hydrologic model was presented to landowners for review and comment.
  - September 24, 2008– 30% E&D review.

- January 2009 – Val Miller suggested that project features would have to be changed for his support of the project.
- March 2009 – Met at project sight with Val Miller to go over project features, landowner accepted some features, but wanted more changes.
- April 2009 - CH Fenstermaker submits draft 95% Design Package.
- May 2009 - The NMFS/OCPR met with remaining Miller estate heirs to discuss project features and demands by Val Miller. Remaining Miller estate in agreement with project design.
- July 2009 – The OCPR submitted a land rights agreement to Val Miller, with a deadline for his acceptance. Mr. Miller did not accept the agreement.
- March 2010 – NMFS/OCPR agreed to recommend this project for de-authorization after an agreement with Val Miller could not be reached.

**12. Current status/remaining issues:**

Design team is coordinating “95%” design package and draft environmental assessment.

**13. Projected schedule and milestones:**

The project design team will recommend de-authorization to the CWPPRA Technical Committee at the September 2010 meeting.

**14. Preparer:** John D. Foret, Ph.D., NOAA Fisheries Service, [john.foret@noaa.gov](mailto:john.foret@noaa.gov)

*Revised June 2010 (JDF)*

**Status Review - Unconstructed CWPPRA Projects**  
**26 May 2010**

- 1. Project Name (and number):** Rockefeller Refuge Gulf Shoreline Stabilization (ME-18)
- 2. PPL:** 10 - Phase 1 was authorized in May 2001
- 3. Federal Agency:** NMFS
- 4. Date of Construction Approval / Phase Two Approval:** NA
- 5. Approved Total Budget:** \$2,408,478 (Phase 1 approved funding)
- 6. Fully Eunded Estimate:** \$95,988,700 (November 5, 2006)
- 7. Expenditures:** \$1,334,429 (May 3, 2010)
- 8. Unexpended Funds:** \$1,074,049 (May 3, 2010)
- 9. Estimate of anticipated funding increases, including O&M:** NA
- 10. Potential changes to project benefits:** NA
- 11. Brief chronology of project development and issues affecting implementation:**
  - October 2001 – Phase 1 Approval
  - September 23, 2004– 30% E&D review. Over 80 alternatives were considered based on their ability to meet project goals and objectives.
  - February 17, 2005 – The NMFS/DNR request of the Task Force a project change in scope to pursue the development of test sections was approved. Therefore, four final alternatives were selected for consideration in a prototype test program at the Refuge that would help predict their potential for success if installed for the full 9.2-mile project.
  - September 20, 2005 - 95% E&D review of four design alternatives.
  - December 7, 2005 – The NMFS/DNR sought Phase 2 funding for construction.
  - December 5, 2006 - The NMFS/DNR sought Phase 2 funding for construction.
  - November 29, 2007 – The Coastal Impact Assistance Program (CIAP) adopted the project for construction.
  - December 4, 2009 – CIAP completed construction on three (3) shoreline protection test sections.
- 12. Current status/remaining issues:** OCPR (CIAP) has begun 1 year of monitoring.
- 13. Projected schedule and milestones:** The CIAP monitoring is a one year effort, so data collection would end December 2010, estimating 2 months to complete the data analysis and write the report, so February 2011 for the completed project data from the monitoring effort. At which point, programmatic mechanisms could transition the project back to CWPPRA for evaluation of monitoring results, and eventual construction recommendations of the entire 9.2 mile Gulf shoreline.
- 13. Preparer:** John D. Foret, Ph.D., NOAA Fisheries Service, [john.foret@noaa.gov](mailto:john.foret@noaa.gov)

*Revised June 2010 (JDF)*

**Status Review - Unconstructed CWPPRA Projects**  
**1 Jun 10**

- 1. Project Name:** White Ditch Resurrection and Outfall Management (BS-12)
- 2. PPL:** 14 (2005)
- 3. Federal Agency:** NRCS
- 4. Date of Construction Approval / Phase Two Approval:** N/A at this time
- 5. Approved Total Budget:** \$1,595,677
- 6. Expenditures:** \$701,826 (as of Oct 16, 2009 / Source: Mitzi Gallipeau / Gay Browning)
- 7. Unexpended Funds:** Total Unexpended \$893,851 (as of Oct 16, 2009 / Source: Mitzi Gallipeau / Gay Browning).
- 8. Estimate of anticipated funding increases, including O&M:** N/A at this time
- 9. Potential changes to project benefits:** N/A at this time
- 10. Brief chronology of project development and issues affecting implementation:**
  - 2005 – Approved for engineering and design (Phase I)
  - 2006 – Project E & D
  - 2005 - 2008 – Setbacks include impacts and changes to hydrology associated with Hurricanes Katrina, Rita, and Gustav
  - 2009 – Preliminary Modeling results available in November 2009
- 11. Current Status/remaining issues:** Project is currently in the Planning and Design Phase. Project Team is developing surveying, geotechnical investigations, and modeling requirements necessary to proceed to 30% design review. A Final Report of the project model is expected by the end of June 2010. Project is scheduled to request Phase II funding at the January 2012 Task Force Meeting.
- 12. Projected schedule:** Request Phase II funding at the January 2012 Task Force Meeting.
- 13. Preparer:** Troy Mallach, NRCS, (337) 291-3064 (6/1/2010)  
Review/Concurrence  
**Updated:**

**Status Review - Unconstructed CWPPRA Projects**  
**1 Jun 10**

- 1. Project Name:** Brown Lake Hydrologic Restoration (CS-09)
- 2. PPL:** 2 (1992)
- 3. Federal Agency:** NRCS
- 4. Date of Construction Approval / Phase Two Approval:** 1997
- 5. Approved Total Budget:** \$4,002,363
- 6. Expenditures:** \$956,086 (as of Feb 20, 2009 / Source: Mitzi Gallipeau / Gay Browning)
- 7. Unexpended Funds:** Total Unexpended \$3,046,277 (as of Feb 20, 2009 / Source: Mitzi Gallipeau / Gay Browning).
- 8. Estimate of anticipated funding increases, including O&M:** N/A at this time
- 9. Potential changes to project benefits:** WVA was re-done as directed by P&E and Technical Committees. Results: 167 net acres after 20 years and 2 AAHUs.
- 10. Brief chronology of project development and issues affecting implementation:**
  - 1992 – Approved
  - 1997 – Construction Approval
  - 1997 - 2000 – Setbacks include magnetometer survey, COE Disposal Areas, Hydrology questions
  - 2000 - 2002 -- Hydro Model demonstrated need to Address Crab Gully
  - 2003 - 2006 – Issues include Crab Gully fix, Amoco sale, permit transfer
  - 2007 - 2008 – Landrights were re-done with current owners; permit modified and extended; design surveys re-done; plans and specifications updated; WVA re-done.
  - 2009 – Project features revised to remove hydrologic restoration structures and extend area of terracing.
  - 2009 - Project moved to deauthorization
- 11. Current Status/remaining issues:** A motion was made and passed during the September 29, 2009 Technical Committee Meeting to begin the OCPR deauthorization process. USACE legal section has halted Deauthorization process.
- 12. Projected schedule:** Project being deauthorized.
- 13. Preparer:** Quin Kinler, NRCS, (225) 382-2047 (3/6/2008)  
Review/Concurrence (3/6/2008): Darrell Pontiff, DNR, (337) 482-0683

**Updated:** John Jurgensen, NRCS(318)473-7694(3/17/2009)(21 June 2010)

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**Status Review - Unconstructed CWPPRA Projects**  
**20 Oct 2009**

- 1. Project Name (and number):** Penchant Basin Natural Resources Plan (TE-34)
- 2. PPL:** 6
- 3. Federal Agency:** NRCS
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$17,628,814
- 6. Expenditures:** \$2,581,706.11 (as of October 19, 2009 / Source: Mitzi Gallipeau / Gay Browning)
- 7. Unexpended Funds:** \$15,047,107.89 (as of October 19, 2009 / Source: Mitzi Gallipeau / Gay Browning)
- 8. Estimate of anticipated funding increases, including O&M:** N/A at this time
- 9. Potential changes to project benefits:** Revised WVA completed October 2007; 675 net acres after 20 years; 1047 AAHUs.
- 10. Brief chronology of project development and issues affecting implementation:**
  - 1996 – 1997 – Approved
  - 1997 - 2004 - Project Planning and Hydro Model
  - 2004 - 2006 – Consideration of project alternatives and features
  - 2007 - 2008 – Revised WVA, geotechnical investigation, design surveys, plans and specifications. Received Scope Change approval.
  - 2009 – 2010 - Final Design, Advertisement for Construction
  - June 2010 – construction began
- 11. Current status/remaining issues:** Under construction.
- 12. Projected schedule:** Construction scheduled to be completed by August 2011.
- 13. Preparer:** Quin Kinler, NRCS, (225) 382-2047 (3/4/08)
  - Review/Concurrence (3/4/2008): Ismail Merhi, DNR, (225) 342-4127
  - Update (10/20/09): Quin Kinler, NRCS (225) 382-2047 and John Jurgensen, NRCS (318) 473-7694 ( Updated June 2010).

**Status Review - Unconstructed CWPPRA Projects**  
**1 Jun 10**

- 1. Project Name:** East Marsh Island Marsh Creation Project (TV-21)
- 2. PPL:** 14 (2005)
- 3. Federal Agency:** EPA/NRCS
- 4. Date of Construction Approval / Phase Two Approval:** January 2009
- 5. Approved Total Budget:** \$22,611,689
- 6. Expenditures:** \$749,254 (as of Oct 16, 2009 / Source: Mitzi Gallipeau / Gay Browning)
- 7. Unexpended Funds:** Total Unexpended \$21,862,435 (as of Oct 16, 2009 / Source: Mitzi Gallipeau / Gay Browning).
- 8. Estimate of anticipated funding increases, including O&M:** N/A at this time
- 9. Potential changes to project benefits:** WVA was revised June 2008 WVA as directed by P&E and Technical Committees. Results: 169 net acres after 20 years and 106 AAHUs.
- 10. Brief chronology of project development and issues affecting implementation:**
  - 2005 – Approved for engineering and design (Phase I)
  - 2006 – Project planning and design
  - 2006 - 2008 – Changes to project boundaries associated with containment issues.
  - 2009 – Approved for construction / Phase II
- 11. Current Status/remaining issues:** Construction of the containment dike is 100% complete. Dredge pipe is being readied for mobilization to jobsite and should arrive the first week of June. An Oil Spill Response Plan was discussed and created by the Project Team.
- 12. Projected schedule:** Plan to begin construction in June of 2010.
- 13. Preparer:** Troy Mallach, NRCS, (337) 291-3064 (6/1/2010)  
Review/Concurrence  
**Updated:**

**Status Review - Unconstructed CWPPRA Projects**  
**21 June 2010**

- 1. Project Name (and number):** West Pointe a la Hache Outfall Management (BA-4c)
- 2. PPL:** 3
- 3. Federal Agency:** NRCS
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$4,269,295
- 6. Expenditures:** \$588,282 (16 Oct 09, source: Mitzi Gallipeau)
- 7. Unexpended Funds:** \$3,681,013 (16 Oct 09, source: Mitzi Gallipeau)
- 8. Estimate of anticipated funding increases, including O&M:** N/A at this time
- 9. Potential changes to project benefits: Refer to Revised WVA approved by EnvWG and EngrWG.**
- 10. Brief chronology of project development and issues affecting implementation:**
  - 1993 – Approved
  - 1993 - 2000 Various planning and engineering tasks; increased construction budget from \$400K to about \$2M; DNR concerned about benefits
  - 2000 - 2004 -- Hydrodynamic Model predicted that siphon operation (more so than proposed outfall mgt) creates favorable conditions in project area. DNR and NRCS desire to pursue modifications to siphon to improve / extend ability to operate siphon.
  - 2005 - 2006 -- DNR “working with” Plaquemines Parish Government to establish a cooperative agreement regarding siphon operation, so as to ensure long term operation prior to designing siphon improvements.
  - Jan 2007 – DNR/PPG siphon operations agreement executed
  - Oct 2007 – EnvWG approved the use of the original project boundary for the proposed scope change.
  - Feb 2008 – NRCS revised and DNR reviewed and concurred with submittal of draft WVA to EnvWG
  - April 2008 – Revised WVA and preliminary engineering cost estimates approved by EnvWG and EngrWG.
  - January 2009 – Scope Change approved by Task Force, revised design began.
  - Current – Survey completed, geotechnical analysis ongoing. Projected request for Task Force construction approval January 2011.
- 11. Current status/remaining issues:** OCPR and NRCS are preparing plans and specifications in anticipation of January 2011 Construction Approval Request.

**12. Projected schedule:** Project construction anticipated to begin May 2011.

**13. Preparer:** Cindy Steyer, NRCS, (225) 389-0334 (10/23/09)

Review/Concurrence (10/23/09): William Feazel, OCPR, (225) 342-4641

**Updated:** John Jurgensen, NRCS, (318) 473-7694 (6/21/10)

**Status Review - Unconstructed CWPPRA Projects  
October 2009**

- 1. Project Name (and number):** Bayou Sale Shoreline Protection (TV-20)
- 2. PPL:** 13
- 3. Federal Agency:** NRCS
- 4. Date of Construction Approval / Phase Two Approval:** December 2010 (projected)
- 5. Approved Total Budget:** \$ 2,254,912 (Phase I)
- 6. Expenditures:** \$1,124,702 (as of May 2010 / Source: Mitzi Gallipeau / Gay Browning)
- 7. Unexpended Funds:** \$1,130,210 (as of May 2010 / Source: Mitzi Gallipeau / Gay Browning)
- 8. Estimate of anticipated funding increases, including O&M:** Not anticipated at this time.
- 9. Potential changes to project benefits:** Material will not be available for marsh creation because access channels will not be dredged due to the high number of utilities identified by the magnetometer survey (i.e., pipelines, flow lines, and metallic debris). Approximately 123 acres of marsh will therefore not be created. Shoreline protection benefits remain as originally anticipated.
- 10. Brief chronology of project development and issues affecting implementation:**
  - 2003 - 2004 – Approved
  - 2004 - 2005 – Project Plan of Work developed for USACE
  - 2004 - 2006 – Magnetometer & Gradiometer Survey conducted
  - 2007 - 2008 – Evaluate various shoreline protection alternatives.
  - 2009 – 2010 - NEPA and Engineering Evaluation being performed on shoreline protection alternatives. Geotechnical investigation completed. Openings in shoreline identified and measured. Certified letters sent to pipeline companies requesting their requirements/specifications for crossing their pipelines with rock dike.
- 11. Current status/remaining issues:** NRCS is conducting a mag survey of the “flotation channels” and the dike alignment. There are many active pipelines, as well as abandoned flowlines and oil field debris, which must be addressed in the preliminary project design.
- 12. Projected schedule:** Project construction anticipated in October 2011.

**13. Preparer:** Troy Mallach, NRCS, (337) 291-3064 (3/6/08)  
Review/Concurrence (3/7/2008): Ismail Merhi, DNR, (225) 342-4127  
Updated (3/17/09): John Jurgensen, NRCS, (318) 473-7694  
Updated ((10/19/2009): Michael Nichols, NRCS (318) 473-7690)  
Updated ((6/9/2010): Michael Nichols, NRCS (318) 473-7690)

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**Status Review - Unconstructed CWPPRA Projects  
June 2010**

- 1. Project Name (and number):** Little Pecan Bayou Hydrologic Restoration (ME-17)
- 2. PPL:** 9
- 3. Federal Agency:** NRCS
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$1,556,598
- 6. Expenditures:** \$925,524.72
- 7. Unexpended Funds:** \$631,073.28
- 8. Estimate of anticipated funding increases, including O&M:** N/A at this time
- 9. Potential changes to project benefits:** Terracing removed from project features because landowner refuses to have terraces on his/her property. Freshwater introduction south of HWY 82 is only project feature.
- 10. Brief chronology of project development and issues affecting implementation:**
  - 1999 – Approved
  - 1999 - 2005 -- Planning / modeling
  - 2006 - Delays due to landowner concerns
  - 2007 – Surveying 70% complete.
  - 2008 – Surveying completed after hurricane delays. Planning and Design began.
  - 2009 – Engineering design near 30% design. Had slight delay in obtaining geotechnical information.
  - 2010 – Materials will be sent to OCPR for Ecological Review in June and July.
- 11. Current status/remaining issues:** Design surveys are completed. Draft Plans prepared for 30% design. Pipeline coordination ongoing. Anticipated date of 30% review is August 2010. Landrights remain to be executed.
- 12. Projected schedule:** Anticipate a Phase II funding request in January 2011.
- 13. Preparer:** Jason Kroll, NRCS, (225) 389-0347 (06/07/2010)

**Status Review - Unconstructed CWPPRA Projects**  
**7 June 10**

- 1. Project Name (and number):** GIWW Bank Restoration of Critical Areas in Terrebonne (TE-43)
- 2. PPL:** 10
- 3. Federal Agency:** NRCS
- 4. Date of Construction Approval / Phase Two Approval:** January 2010
- 5. Approved Total Budget:** \$13,022,246
- 6. Expenditures:** \$1,166,082
- 7. Unexpended Funds:** \$11,856,164
- 8. Estimate of anticipated funding increases, including O&M:** N/A at this time
- 9. Potential changes to project benefits:** With the change in project scope excluding the portion of the project that was accepted for construction under CIAP, the WVA was revised to reflect the new project. The benefits attributed to the 8833 linear foot length of project shoreline protection resulted in a benefit area adjustment from 3324 acres to 355 acres and the original net benefits of 366 acres attributed to the entire project was adjusted to 65 acres to reflect the revised total length of the remaining CWPPRA project segment.
- 10. Brief chronology of project development and issues affecting implementation:**
  - 2001 – Approved (Phase I)
  - 2001 - 2004 -- Planning
  - 2004 - 1<sup>st</sup> Phase II Approval Request for full project (39,000 linear ft)
  - 2005 - 2<sup>nd</sup> Phase II Approval Request for full project
  - 2006 – Divided project into CIAP project (14,555 ft) and CWPPRA project (8,833 ft)
  - 2007 – Scope change request for revised project w/o CIAP segment.
  - 2008 – 3<sup>rd</sup> Phase II Approval Request for revised project
  - 2009 – 4<sup>th</sup> Phase II Approval Request for revised project
  - 2010 – 5<sup>th</sup> Phase II Approval Request for revised project - approved
- 11. Current status/remaining issues:** Project is fully designed and ready for construction. NRCS is preparing to request bids for project construction.
- 12. Projected schedule:** Anticipate project construction to begin January 2011.
- 13. Preparer:** Ron Boustany, NRCS, (337) 291-3067 (Updated 6/7/10)

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

- 1. Project Name (and number):** Sabine Refuge Marsh Creation, Cycle IV (CS-28-4)
- 2. PPL:** 8
- 3. Federal Agency:** U.S. Army Corps of Engineers
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$ 0
- 6. Fully Funded Cost Estimate:** approx. \$2,621,000 (16-Dec-09)
- 7. Expenditures:** \$ 0
- 8. Unexpended Funds:** \$ 0
- 9. Estimate of anticipated funding increases, including O&M:** unknown
- 10. Potential changes to project benefits:** none
- 11. Brief chronology of project development and issues affecting implementation:**
  - (1999) Sabine Refuge Marsh Creation project approved
  - (2004) Additional funds and construction approval for Cycles II and III
  - (2009) Construction of Cycle 2 pipeline
- 12. Current status/remaining issues:** This project was broken into five construction cycles. Cycle IV Environmental Compliance is complete. Final plans and specs not yet prepared. The CWPPRA Task Force has deferred construction funding approval for Cycles IV and V until construction of pipeline is complete. Project does not have a CSA.
- 13. Projected schedule:** Request for construction approval for Cycle IV is planned to meet the Calcasieu River Ship Channel FY 11 maintenance dredging cycle.
- 14. Preparer:** Scott Wandell (USACE) 504-862-1878

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

- 1. Project Name (and number):** Sabine Refuge Marsh Creation, Cycle V (CS-28-5)
- 2. PPL:** 8
- 3. Federal Agency:** U.S. Army Corps of Engineers
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$ 0
- 6. Fully Funded Cost Estimate:** approx \$1,852,000 (16-Dec-09)
- 7. Expenditures:** \$ 0
- 8. Unexpended Funds:** \$ 0
- 9. Estimate of anticipated funding increases, including O&M:** unknown
- 10. Potential changes to project benefits:** none
- 11. Brief chronology of project development and issues affecting implementation:**
  - (1999) Sabine Refuge Marsh Creation project approved
  - (2004) Additional funds and construction approval for Cycles II and III
  - (2009) Construction of Cycle 2 pipeline
- 12. Current status/remaining issues:** This project was broken into five construction cycles. Cycle V Environmental Compliance is complete. Final plans and specs not yet prepared. The CWPPRA Task Force has deferred construction funding approval for Cycles IV and V until construction of pipeline is complete. Project does not have a CSA.
- 13. Projected schedule:** Request for construction approval for Cycle V is planned to meet the Calcasieu River Ship Channel FY 13 maintenance dredging cycle.
- 14. Preparer:** Scott Wandell (USACE) 504-862-1871

**Status Review - Unconstructed CWPPRA Projects**  
**July 1, 2010**

- 1. Project Name (and number):** Spanish Pass Diversion (MR-14)
- 2. PPL:** 13
- 3. Federal Agency:** COE
- 4. Date of Construction Approval / Phase Two Approval:** TBD (anticipated 21 Jan 13)
- 5. Approved Total Budget:** \$1,421,680
- 6. Fully Funded Cost Estimate:** \$14,212,169 (28-Jan-04)
- 7. Expenditures:** \$ 310,151,98
- 8. Unexpended Funds:** \$1,111,528.02
- 9. Estimate of anticipated funding increases, including O&M:** TBD; project scope change under consideration.
- 10. Potential changes to project benefits:** Original diversion proposal estimated 334 acres of marsh to be created; subsequent evaluations have determined that only 190 acres of marsh would be created. It is proposed that a smaller diversion be constructed, and a dedicated dredging/marsh creation component be added that results in equivalent marsh acreage creation as originally proposed.
- 11. Brief chronology of project development and issues affecting implementation:**
  - Phase 1 approved January '04
  - Work plan developed & submitted to P&E Subcommittee prior to April 30, 2004
  - Gages installed in November 2004
  - Surveys and hydraulic modeling completed
  - Dec 2006 Progress Report indicated that project as proposed would not attain originally anticipated wetland benefits
  - Various alternatives to revise the project scope are being developed in conjunction with Plaquemines Parish officials (most recent meeting with Parish reps on Feb 28, 2008; last meeting that included OCPR was on May 1, 2007)
  - Current Proposed Change in Scope includes smaller diversion (less than 7,000 cfs) and dedicated dredging/marsh creation component
  - Plaquemines Parish in support of project implementation
  - Need OCPR on-board with developing new scope and also resolution of cost share agreement issue
- 12. Current status/remaining issues:** Need consensus with OCPR and Plaquemines Parish on future project design and a cost share agreement signed.
- 13. Projected schedule (provided cost share agreement resolved – resolution tentatively expected by Jan 2011):**
  - 02 Nov 2011 - Announce 30% Design Review
  - 15 Feb 2012 - Submit 95% to LDNR

- 21 Mar 2012 – Announce 95% Review

**14. Preparer:** Susan M. Hennington, USACE-MVN, (504) 862-2504

**Status Review - Unconstructed CWPPRA Projects**  
**1 July 2010**

- 1. Project Name (and number):** Avoca Island Diversion and Land Building (TE-49)
- 2. PPL:** 12
- 3. Federal Agency:** COE
- 4. Date of Construction Approval / Phase Two Approval:** TBD (anticipated 21 Jan 13)
- 5. Approved Total Budget:** \$2,229,876
- 6. Fully Funded Cost Estimate:** \$19,157,216 (10-Jan-03)
- 7. Expenditures:** \$1,716,948.51
- 8. Unexpended Funds:** \$512,927.49
- 9. Estimate of anticipated funding increases, including O&M:** Project scope change under consideration; this change expected to increase costs and benefits.
- 10. Potential changes to project benefits:** Proposed new design calls for construction of a small freshwater diversion using two culverts plus dedicated dredging to obtain material to create approximately 340 acres of wetlands.
- 11. Brief chronology of project development and issues affecting implementation:**
  - Phase 1 approved January '03
  - Possible change in scope to include dedicated dredging/marsh creation feature
  - Geotechnical requirements increased
  - Alternative borrow sites needed investigating
  - Decision to proceed to 30% Design Review awaits resolution of OCPR geotechnical concerns & concurrence on final plan design plus a signed Cost Share Agreement with OCPR
- 12. Current status/remaining issues:** Coordination between geotech elements at OCPR and MVN is ongoing at this time, with intent to go to 30% Design Review contingent upon OCPR's concurrence with revised project design. Also, the project scope change must get approved, and a signed Cost Share Agreement signed with OCPR.
- 13. Projected schedule (provided cost share agreement resolved by June 2011):**
  - 26 Jan 12 - Announce 30% Design Review
  - 29 Mar 12 - Submit 95% to LDNR
  - 03 May 12 – Announce 95% Review

**14. Preparer:** Susan M. Hennington, USACE-MVN, (504) 862-2504

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

- 1. Project Name:** Delta Building Diversion North of Fort St. Phillip (BS-10)
- 2. PPL:** 10
- 3. Federal Agency:** USACE
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$1,444,000
- 6. Fully Funded Cost Estimate:** \$6,644,070 (10-Jul-07)
- 7. Expenditures:** \$ 1,147,075
- 8. Unexpended Funds:** \$296,925
- 9. Estimate of anticipated funding increases, including O&M:** N/A
- 10. Potential changes to project benefits:** None
- 11. Brief chronology of project development and issues affecting implementation:**
  - Project was scheduled for a 95% design review meeting in the fall of 2007
  - In developing the O&M plan for the 95% design review, comments were received from MVN OD on impacts from the diversion on navigation safety
  - The MVN PDT does not anticipate that the project would adversely impact navigation. However, due to the lack of detailed modeling, the MVN PDT thought it would be prudent to include measures that could be taken in the event that unforeseen impacts did affect navigation. As such, the MVN PDT proposed an emergency closure plan in the draft O&M plan for the project.
  - The emergency closure plan consisted of using the existing budgeted O&M funding available for normal O&M activities to close the structure.
- 12. Current status/remaining issues:**

DNR objected to the emergency closure plan and has indicated that they do not wish to move forward with completing design review requirements for the project.
- 13. Projected schedule:**

The USACE's goal is to hold meetings with LDNR to resolve the emergency closure plan issues. All work is on hold pending approval of a new Cost Share Agreement.
- 14. Preparer:** Travis Creel / 504-862-1071

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

- 1. Project Name:** Fort Jackson Sediment Diversion (Complex Project)
- 2. PPL:** Not Authorized (Funded thru Planning Funds)
- 3. Federal Agency:** USACE
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** Phase 0: \$411,750
- 6. Fully Funded Cost Estimate:** Not approved:
  - Phase I and II: \$55.1 million
  - (Preliminary estimate not approved by WG,
  - Also, \$47.5M removed from original est.
  - due to new state oyster lease policy)
- 7. Expenditures:** \$408,252
- 8. Unexpended Funds:** \$3,498
- 9. Estimate of anticipated funding increases, including O&M:** N/A
- 10. Potential changes to project benefits:** Benefit will be updated based on current land losses and new benefit calculations.
- 11. Brief chronology of project development and issues affecting implementation:**
  - Complex project received Phase 0 funds in October 1999
  - Complex study report completed in September 2003
  - Phase I request approved by Technical Committee September 2003
  - Phase I request to Task Force tabled by LDNR during advance conference call in November 2003 due to local concerns about the design of the structure.
- 12. Current Status/remaining issues:**
  - Project was placed on Technical Committee's "Watch/Critical" list in June 2007
  - Currently LDNR and Plaquemines Parish indicate they were willing to move forward with the project by requesting Phase I funding/approval
  - Project Team agreed to develop a new revised cost estimate, and benefits.
  - Program administrator indicated that the project would have to compete with the yearly PPL projects for Phase I funding.

**13. Projected schedule:**

- Currently waiting to see if a diversion at this location is in the State's Final Master Plan
- A determination would then have to be made if the project is still a viable and fundable project in the CWPPRA program.

**14. Preparer:** Travis Creel / 504-862-1071

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

- 1. Project Name:** Grand Lake Shoreline Protection (Tebo Point) (ME-21a)  
Grand Lake Shoreline Protection O&M (ME-21b)
- 2. PPL: 11**
- 3. Federal Agency:** USACE
- 4. Date of Construction Approval / Phase Two Approval:** Feb 2007
- 5. Approved Total Budget:** Phase I (Grand Lake-ME-21) \$1,049,030  
Phase II (Grand Lake, Tebo Point): \$2,700,000  
Phase II Inc 1(Grand Lake and Tebo Point): 9,000,000
- 6. Fully Funded Cost Estimate:** \$4,409,519 Tebo Point (20-Nov-06)  
\$8,382,494 O&M Only [CIAP] (20-Nov-06)
- 7. Expenditures:** \$278,557
- 8. Unexpended Funds:** \$770,473
- 9. Estimate of anticipated funding increases, including O&M:** \$1,160,604
- 10. Potential changes to project benefits: CWPPRA can only claim the benefits from Tebo Point and the benefits for continuing O&M on the CIAP portion**
- 11. Brief chronology of project development and issues affecting implementation:**
  - At the February 2007 Task Force meeting the Task Force (TF) took the initiative to approve the Grand Lake Project in segments.
  - 90% of the project would be constructed under CIAP
  - The remaining segment of the project, Tebo Point, would be constructed under CWPPRA
  - The Task Force also took the initiative to approve the first 3 yrs of O&M for both of these segments.
  - Using the Grand Lake Cost with Tebo Point included the TF broke the project up into the following:  
  
\$2,700,000 for the construction of Tebo Point  
\$6,300,000 for the first three yr of O&M for both segments  
\$9,000,000 total
- 12. Current status/remaining issues:**

Due to Cost Share Agreements (CSA) and accounting procedures the projects should not have been broken up as listed above. The projects should have been broken up as the following and a detailed cost estimate approved by the Engineering Work Group (Eng WG) should have been provided:

**Funding for construction and the first 3 yrs of O&M for the CWPPRA Tebo Point segment.**

**Funding for the first 3 yrs of O&M for the CIAP Grand Lake Portion.**

The last official cost estimate was calculated in 2007. A draft cost estimate was calculated in 2008 and the TF approved \$2,700,000 for the Tebo Point Project Construction (Phase II) was still \$44,335 within the approved budget. The combined O&M for both segments equaled \$7,460,604, \$1,160,604 over the TF \$6.3M approved amount.

**13. Projected schedule:**

The CWPPRA portion has been on hold pending approval of the Cost Share Agreement, which is presently being negotiated between the State and the USACE.

The State in 2009 completed the construction on the CIAP portion with a total length of 37,000 lf, excluding the CWPPRA Tebo Point portion.

In Nov09 and Jun10 the local landowner requested that the project be transferred to another agency for construction and O&M.

The following issues/question has to be resolved before moving forward with both the Tebo Point project and the O&M of the Grand Lake Project:

- The project will continue to be on hold until the CSA issue is resolved. The CWPPRA SOP states that if a project does not go to construction in two yrs the Task Force could ask that the funds be returned to the program.
- Cost for the construction and O&M would have to be updated to FY11 cost.

**14. Preparer: Travis Creel / 504-862-1071**

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

- 1. Project Name (and number):** Benneys Bay Diversion (MR-13)
- 2. PPL:** 10
- 3. Federal Agency:** USACE
- 4. Date of Construction Approval / Phase Two Approval:** NA
- 5. Approved Total Budget:** \$975,191
- 6. Fully Funded Cost Estimate:** \$30,297,105 (10-Jan-07)
- 7. Expenditures:** \$819,134.69
- 8. Unexpended Funds:** \$156,056.31
- 9. Estimate of anticipated funding increases, including O&M:** Construction estimate \$53.7 mil
- 10. Potential changes to project benefits:** N/A
- 11. Brief chronology of project development and issues affecting implementation:**

Phase I approved 10 Jan 01  
Resolve project O&M responsibility (see below)  
95% Design submitted to LDNR Oct '06

**12. Current status/remaining issues:**

The project continues to be delayed from moving to the 95% Design due to disagreement about the overall project funding for Phase II associated with project induced shoaling. USACE and LDNR previously agreed on design, anticipated benefits, and all other aspects of this project except budgetary responsibility for O&M. Diversions cause shoaling and traditionally CWPPRA paid for shoaling impacts and used the material beneficially. Because of uncertainty regarding the amount of shoaling, the State and USACE agreed to an initial O&M cost cap of \$10 million. The original construction estimate for this project was \$53.7 million. To remain within the initial \$10 million O&M cost cap only one-third of a cycle of O&M would be funded. As such, there would not be sufficient funding for the traditional 20 years of CWPPRA funded O&M, which would include 10 cycles of O&M, or one dredging event every second year. As a result of cost associated with dredging the Pilottown Anorage Area for the West Bay project induced shoaling impacts, the state and the Corps are working to develop more comprehensive model of the lower river and to resolve larger policy and law issues associated with responsibilities for offsetting induced shoaling impacts.

The cost of one dredging cycle or event was previously estimated at \$29,077,261 or \$11,539,591. Based on these earlier costs estimates, ten dredging events/cycles would cost about \$290,772,610 or \$115,395,910. However, in today's dollars, those costs could be more. The revised fully funded cost for the project, including construction, monitoring and 10 cycles of O&M was previously estimated to be \$344,472,610 or \$ 169,095,910. (Original cost + 10 dredging events) = ( \$53.7mill + 290,772,610 or 115,395,910) in today's dollars. No recent work has been conducted to update these estimates.

**13. Projected schedule/Milestones:** Will reactivate the project and reestablish milestones when programmatic induced shoaling issues are resolved.

**14. Preparer:** Melanie Goodman

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

- 1. Project Name:** Lake Borgne and MRGO Shoreline Protection (PO-32)
- 2. PPL:** 12
- 3. Federal Agency:** USACE
- 4. Date of Construction Approval / Phase Two Approval:** N/A
- 5. Approved Total Budget:** \$1,348,345
- 6. Fully Funded Cost Estimate:** \$25,062,946 (29-Mar-05)
- 7. Expenditures:** \$1,332,345
- 8. Unexpended Funds:** \$16,000 (Returned to the Construction Program)
- 9. Estimate of anticipated funding increases, including O&M:** N/A
- 10. Potential changes to project benefits:** CWPPRA would only receive benefits for the MRGO Shoreline Protection portion
- 11. Brief chronology of project development and issues affecting implementation:**
  - Project completed a 95% design review meeting in the winter of 2004
  - In the fall of 2006 the PDT requested Phase II authorization.
  - As part of the emergency response to Hurricane Katrina, the USACE was given funds and authority (3<sup>rd</sup> Supplemental funding) to complete wetlands protection projects along the Mississippi River Gulf Outlet.
  - A decision was made by MVN to build the CWPPRA Lake Borgne portion of the project using 3<sup>rd</sup> Supplemental emergency hurricane recovery funding.
  - Construction on the breakwater reach along the Lake Borgne shoreline between Doullut's Canal and Jahncke's Ditch was completed in 2008.
- 12. Current status/remaining issues:**
  - Based on language from the Chiefs Report for the MRGO Deauthorization study, the expectation is that the state will pick up 100% of O&M on the Lake Borgne Doulluts Canal to Jahncke's Ditch portion of the CWPPRA project that is being constructed using the 3<sup>rd</sup> supplemental emergency funds.
    - Excerpt from Chiefs Report:  
“f. Operate, maintain, repair, replace and rehabilitate any measures undertaken or to be undertaken pursuant to the authorization provided under the heading "Operation and Maintenance" in Title I, Chapter 3 of Division B of Public Law 109-148, as modified

by Section 2304 in Title II, Chapter 3 of Public Law 109-234 (3rd Supplemental work) at no cost to the Federal Government in accordance with applicable Federal and State Laws and regulations and specific directions prescribed by the Federal Government.”

**13. Projected schedule:**

With the closure of the MRGO channel, the portion along the north bank of the MRGO between Doullut’s Canal and Lena Lagoon is being evaluated as a part of the MRGO Restoration Plan. The Task Force deauthorized the project at its June 23, 2010 meeting.

**14. Preparer: Travis Creel / 504-862-1071**

Deauthorized

**Status Review - Unconstructed CWPPRA Projects  
July 1, 2010**

**1. Project Name:** Freshwater Bayou Bank Stabilization-Belle Isle Canal to Lock (TV-11b)

**2. PPL:** 9

**3. Federal Agency:** USACE

**4. Date of Construction Approval / Phase Two Approval:** N/A

**5. Approved Total Budget:** \$1,498,967

**6. Fully Funded Cost Estimate:** \$38,065,335 (11-Nov-08)

**7. Expenditures:** \$1,101,738

**8. Unexpended Funds:** \$397,229

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

**10. Potential changes to project benefits:** None

**11. Brief chronology of project development and issues affecting implementation:**

- Project completed a 30% design review meeting in Jun. of 2002
- Project completed a 95% design review meeting in Jan. of 2004
- The PDT requested Phase II authorization, in the fall of 2004, 2006, and 2007
- In 2007 a 1-mile portion of CWPPRA was included in a CIAP proposed and approved project.
- 2007 WRDA authorized the deeping of the Freshwater Bayou Channel to 16 ft.
- 2009, Due to funding limitations, and a prioritization of the four CIAP reaches by Vermilion Parish, the state has indicated that the 1-mile portion of CWPPRA project that was included in a CIAP proposal is unlikely going to be built under the CIAP program.

**12. Current status/remaining issues:**

The 2007 WRDA only authorized the deeping of the Freshwater Bayou Channel. It did not provide funding for the construction of the channel. The original feasibility study included a 24 ft depth channel with shoreline stabilization. The 2007 WRDA authorized channel was changed to a 16 ft depth. This size channel may or may not include a shoreline stabilization component

**13. Projected schedule:**

The PDT will again seek construction authorization from the CWPPRA Task Force at the January 2011 meeting.

**14. Preparer:** Travis Creel / 504-862-1071

**Status Review - Unconstructed CWPPRA Projects  
July 2, 2010**

- 1. Project Name (and number):** Weeks Bay MC and SP/Commercial Canal/Freshwater Redirection (TV-19)
- 2. PPL:** 9
- 3. Federal Agency:** USACE
- 4. Date of Construction Approval / Phase Two Approval:** NA
- 5. Approved Total Budget:** \$1,229,337.00
- 6. Fully Funded Cost Estimate:** \$30,027,305 (21-May-03)
- 7. Expenditures:** \$ 531,853
- 8. Unexpended Funds:** \$697,484
- 9. Estimate of anticipated funding increases, including O&M:** None
- 10. Potential changes to project benefits:** Unknown

**11. Brief chronology of project development and issues affecting implementation:**

The original project proposed by the Natural Resources Conservation Service (NRCS) planned to reduce erosion rates along the northern shoreline of Vermilion/Weeks Bay and control salinities in the interior marshes in the vicinity of Vermilion/Weeks Bay. Protection and restoration efforts would involve an armored protection along the shoreline areas along the Weeks Bay side of the isthmus, with steel sheet piling. A low sill weir was planned across Commercial Canal near its junction with Vermilion Bay.

It was proposed that the weir, in conjunction with restoring the isthmus, would subdue interior tidal energies and divert Atchafalaya River water further west via the GIWW. The estimated fully funded cost of the project at the time of its inclusion on PPL9 was \$15 million.

The Corps of Engineers assumed sponsorship of the project because of the ongoing Section 1135 project in the same area. Section 1135 authorizes the corps to investigate modifications to existing corps projects for the purpose of environmental restoration. In this case, the corps was investigating the environmental benefits of reestablishing the bank between the Gulf Intracoastal Waterway (GIWW) and Weeks Bay. The study was terminated for failure to find sufficient environmental benefits to justify the cost. Further, hydrologic investigations performed under the 1135 study showed that salinities in the CWPPRA project targeted wetlands area are not rising. In fact, investigations of the area revealed a slight freshening trend.

Subsequent hydrologic investigation performed for the CWPPRA project, reports that “of the total freshwater influx, over 90 percent of water, flowing into the bay comes from the Lower Atchafalaya River and the Wax Lake Outlet, the remaining is from the GIWW and a series of smaller bayous and the Vermilion River. To the south of the Weeks Bay, the Southwest Pass and a wide opening between East Cote Blanche and Atchafalaya Bay connect Vermilion Bay to the Gulf of Mexico.” Thus, closing a few openings would have little effect on salinities in the bay system. Furthermore, the report concludes, “Based on the indicated findings, salinity variations in the Weeks Bay area have fluctuated neither positively nor negatively”. Benefits for the proposed CWPPRA project had been calculated on the assumption of loss of freshwater marsh due to increasing saltwater intrusion in an area adjacent to the GIWW.

Recognizing the local interest in the project due to the perception of sediments and freshwater entering the bay from the GIWW, the project was revised to include only a retention structure and marsh creation through dedicated dredging. This would create approximately 211 acres of intermediate marsh, close a 750’ opening between the GIWW and the bay, and prevent erosion from occurring along the west side of the isthmus. The fully funded cost of this project was estimated at \$31 million.

The Task Force gave the local interest until the spring of 2008, to test the effectiveness of HESCO baskets as shoreline protection. The project delivery team has also provided the local interest with all technical data collected under the CWPPRA program. The HESCO baskets filled with in-situ material did not stand up to wave action in the area and they proved to be an in-effective method of providing shoreline protection.

The local interest has meet with the NRCS, NMFS, LSU Extension, Iberia Parish CZM, McIlhenny, Vermilion Parish CZM, J. Paul Rainey Audubon Refuge, and LDNR concerning this project. They have collectively decided to initiate a redesign and engineering of the project using proven restoration techniques addressed in the Value Engineering Study (VES) for the Weeks Bay project (TV-19). Iberia Parish and Vermilion Parish each have dedicated \$100,000 of their CIAP money for the development of a coastal protection and restoration project for this area. Greg Grandy (LDNR) indicated that using the CIAP monies for the development of a new design and engineering was within proper use of CIAP monies as proposed by the Parishes. Iberia Parish selected the Shaw Group to engineer the project. They are meeting to come up with a final design recommendation that will be consistent with CWPPRA guidelines for the existing Weeks Bay project without forcing them to re-nominate a project for this area in future PPLs. The 2008 hurricanes interrupted their schedule last year. The Technical Committee has requested that the local interest provide a six month progress report at the December 2009 Technical Committee and the January 2010 Task Force meeting. Due to the lengthy non-competitive grant application process required by the Minerals Management Service (MMS), who is administering the Coastal Impact Assistance Program, the project had not yet received funding at that time to begin any of the tasks included in the feasibility study to evaluate an alternative method to accomplish the goals of the CWPPRA project as originally proposed.

**12. Current status/remaining issues:** Extensive study of the area conducted under numerous authorities failed to find sufficient environmental benefits to justify the project as proposed under the CWPPRA program. Also because of project cost increases, the project as proposed is no longer a constructible, cost-effective project. The project ranked last in the prioritization of Breaux Act projects with a score of 30.2. The project has remained authorized because of continuing local interest. Iberia Parish submitted a grant application to the MMS on 10/1/2009 and after responding to comments from MMS, received a grant award making the \$100,000 it dedicated to this project available for them to use on 3/17/2010. Iberia Parish issued the official NTP to Shaw on 3/22/2010 and held a kick off meeting on 4/8/2010 to discuss the procurement of subcontractors to perform additional data collection tasks for this project. The initial site visit was conducted on 4/22/2010. Vermilion Parish submitted a grant application to the MMS on 3/1/2010 and has responded to comments received from MMS but, has not yet received the grant award for the \$100,000 it dedicated to this project which could delay progress if the funds currently available are exhausted before MMS has approved Vermilion Parish's grant application.

**13. Projected schedule:** To date Shaw has accrued \$46,184.00 in charges for the project. The project is currently Reconnaissance Phase which is expected to be completed in July/August 2010. After the completion of this phase a meeting will be held to discuss its findings and present a plan for moving forward for the approval of Iberia and Vermilion Parish as well as project stakeholders. Upon approval of a plan to move forward Shaw will initiate the Preliminary Study Phase which is expected to have a duration of 90 days ending with the submission of the Preliminary Study Report for review and comment to Iberia and Vermilion Parish as well as project stakeholders. The Final Study Phase will begin once comments and/or approval of the Preliminary Study Report is received and is expected to have a duration of 40 days ending with the submission of the Final Study Report including all design alternatives and cost estimates evaluated as well as a recommendation as to which alternative is most feasible.

**14. Preparer:** Michael Somme / 225-202-9379  
Travis Creel / 504-862-1071

**Status Review - Unconstructed CWPPRA Projects  
June 16, 2010**

- 1. Project Name (and number):** Lake Hermitage Marsh Creation (BA-42)
- 2. PPL:** 15
- 3. Federal Agency:** USFWS
- 4. Date of Construction Approval / Phase Two Approval:** January 21, 2009
- 5. Approved Total Budget:** \$37,875,710.
- 6. Fully-Funded Cost:** \$38,040,158 (November 11, 2008 economic analysis)
- 7. Expenditures:** \$81,283
- 8. Unexpended Funds:** \$37,794,427
- 9. Estimate of anticipated funding increases, including O&M:** Not known at this time. Project has not been advertised for bids.
- 10. Potential changes to project benefits:** None.
- 11. Brief chronology of project development and issues affecting implementation:**  
The project was approved for Phase 2 in January 2009. However, landrights issues continue to delay this project going to bid. It is anticipated that bid advertisement will occur in January 2011 with construction beginning in June 2010.
- 12. Current status/remaining issues:**  
Landrights issues continue to plague this project. The landowner of the Jefferson Canal (dredge pipeline route) has refused to sign a landrights agreement and wants compensation for his property. The State has agreed to purchase the property with state-only funds because this canal is the route chosen for their Long Distance Sediment Pipeline Project. In the event that the landowner refuses the State's offer, an agreement with Plaquemines Parish to exercise their quick take authority has been signed and approved by OCPR. A land agent contractor has been assigned to negotiate with the landowners and is proceeding. An offer should be made during June 2010. If the landowner does not accept the offer, then Plaquemines Parish will use their quick take authority to acquire the property.
- 13. Projected schedule:**  
January 2011- Bid advertisement  
June 2011 - Begin construction
- 14. Preparer:** Kevin Roy, USFWS (337-291-3120), Kevin\_Roy@fws.gov

**Status Review - Unconstructed CWPPRA Projects**  
**June 21, 2010**

- 1. Project Name (and number):** North Lake Boudreaux Basin Freshwater Introduction (TE-32a)
- 2. PPL:** 6
- 3. Federal Agency:** USFWS
- 4. Date of Construction Approval / Phase Two Approval:** October 2010
- 5. Approved Total Budget:** \$12,289,133
- 6. Fully-Funded Cost:** \$12,289,133
- 7. Expenditures:** \$1,750,946
- 8. Unexpended Funds:** \$10,538,187
- 9. Estimate of anticipated funding increases, including O&M:** unknown
- 10. Potential changes to project benefits:** Project features unchanged. Phase 0 benefits (345 ac, 422 AAHUs) have changed with use of 95% design info and NSED2 model to 173 ac and 577 AAHUs.
- 11. Brief chronology of project development and issues affecting implementation:**
  - Jun 2007 – all landrights obtained for construction of the conveyance channel
  - Aug 2009 – 30% Engineering and Design meeting conducted
  - Oct 2009 – contract for E&D of forced drainage feature issued
  - Jun 2010 – 95% design meeting scheduled
- 12. Current status/remaining issues:** Delay occurred associated with decision to permit the forced drainage system with restoration measures.
- 13. Projected schedule and milestones:**
  - July 2010 – draft EA
  - Sep 2010 – scope change & construction funding approval request
  - Jan 2011 – start construction
  - Jan 2013 – completed construction
- 14. Preparer:** Ronny Paille USFWS (337) 291-3117 Ronald\_Paille@FWS.GOV

**Status Review - Unconstructed CWPPRA Projects  
June 16, 2010**

- 1. Project Name (and number):** South Grand Chenier Hydrologic Restoration Project (ME-20)
- 2. PPL:** 11
- 3. Federal Agency:** USFWS
- 4. Date of Construction Approval / Phase Two Approval:** Phase I – January 16, 2002/  
Phase II – January 20, 2010.
- 5. Approved Total Budget:** \$24,921,491 (Phase II incremental), \$29,046,128 (fully funded)
- 6. Fully-Funded Cost:** \$29,046,128 (Revised November 21, 2009 economic analysis)
- 7. Expenditures:** \$1,223,077
- 8. Unexpended Funds:** \$23,698,414
- 9. Estimate of anticipated funding increases, including O&M:** Unknown at this time.
- 10. Potential changes to project benefits:** Hydrodynamic modeling indicated that Area A, north of Hog Bayou and south of Hwy 82 near Lower Mud Lake, would not receive significant project benefits and that area has been removed. A revised WVA was completed in October 2009. A scope change to remove Area A and increase the cost was approved by the Task Force (9-29-2009).
- 11. Brief chronology of project development and issues affecting implementation:**

1/ 2002 -	Phase I E & D Task Force approval
6/ 2002 -	Hydrodynamic Modeling contract awarded
9/ 2004 -	Model calibration and validation completed
4/ 2005 -	Final modeling report completed. (The model indicated that the project would flow freshwater from the Mermentau River to marshes south of Hwy 82 without impacts.)
9/ 2005 -	Hurricane Rita heavily impacted landowners.
3/ 2006 -	Modeling results and project features landowner meeting.
12/ 2006 -	Received key landowner approval to flow water across Hwy 82 at Grand Chenier to areas B and C.
4 to 8/ 2007 -	Landowner approval for surveying and geotechnical.
8/ 2007 -	Final key Miller-property landowner surveying approval received.
9/ 2007 - 4/2008	NRCS completed major project surveying by 9/2007; additional surveys completed by 4/ 2008

10/ 2007 - 5/ 2008 - Wave analysis report to evaluate potential Gulf borrow areas completed.  
5/ 2008 Cultural Resources Assessment Received from the State Historic Preservation Officer  
6/ 2008 - 12/ 2008 - Geotechnical sampling completed in marsh and Gulf borrow site.  
6/2008 - 7/ 2008 Gulf Borrow Area Magnetometer Report completed  
12/ 2008 Preliminary Design Drawings completed  
6/ 2009 - Geotechnical reports by Eustis Engineering and ERDC completed.  
8/6/ 2009 - Successful 30% Design Review Meeting completed.  
9/29/ 2009 - Scope change to increase costs 33% to \$27.9 M and remove Area A approved by the Technical Committee.  
10/28/ 2009 - Task Force approved scope change.  
11/ 3/ 2009 - 95% Design Review meeting.  
12/20 2009 - Technical Committee recommended TF approval for construction.  
1/ 20/ 2010 - Task Force Phase II construction approval

Issues affecting implementation: The hydrodynamic modeling effort took almost 3 years (2002 to 2005). Hurricane Rita destroyed most homes and dislocated all area landowners. Landowner approval of fresh water flow routes across Hwy 82 was critical for project design. Delays were caused by landrights approvals for surveying and geotechnical. Project managers did not wish to begin design without assurance that landowners did not object to features necessary to flow water. The project is on track to construction with Task Force construction approval.

**12. Current status/remaining issues:**

Phase 2 construction approval was received from the TC on December 2, 2009, and the Task Force on January 20, 2010. The project is on schedule for construction in FY 2011.

**13. Projected schedule:**

11/ 3/ 2009 - 95% Design Review Meeting; Revised WVA, Draft EA  
11 / 2009 - Phase II checklist items completed  
11/ 2009 - Phase II construction approval request  
12/ 2009 - Technical Committee Phase II approval (received)  
1/ 2010 - Task Force Phase II Construction Approval (received)  
3/ 2011 - Begin Construction

**14. Preparer:** Darryl Clark, USFWS (337-291-3111)

dc 6-16-10

## Massiello, Allison MVN-Contractor

---

**From:** Goodman, Melanie L MVN  
**Sent:** Monday, September 20, 2010 2:26 PM  
**To:** Massiello, Allison MVN-Contractor  
**Subject:** FW: [Fwd: RE: Pelican Island project]  
**Attachments:** Rachel\_Sweeney.vcf

Please add to TC binders, agenda Item 4a.

-----Original Message-----

**From:** Rachel Sweeney [mailto:Rachel.Sweeney@noaa.gov]  
**Sent:** Monday, September 20, 2010 8:06 AM  
**To:** Goodman, Melanie L MVN  
**Subject:** [Fwd: RE: Pelican Island project]

Melanie,

Here is the email chain including the outgoing original and Tom's responses.

Will forward the other TC's responses separately.

----- Original Message -----

**Subject:** RE: Pelican Island project  
**Date:** Fri, 02 Jul 2010 15:13:01 -0500  
**From:** Holden, Thomas A MVN <Thomas.A.Holden@usace.army.mil>  
**To:** Richard Hartman <Richard.Hartman@noaa.gov>  
**CC:** Paul, Britt - Alexandria, LA <britt.paul@la.usda.gov>, Darryl\_Clark@fws.gov, Kirk.Rhinehart@la.gov, McCormick.karen@epamail.epa.gov, Rachel Sweeney <Rachel.Sweeney@noaa.gov>, Jurgensen, John - Alexandria, LA <john.jurgensen@la.usda.gov>, kevin roy <kevin\_roy@fws.gov>, Kelley.Templet@LA.GOV <kelley.templet@la.gov>, Brad Crawford <Crawford.Brad@epamail.epa.gov>, Goodman, Melanie L MVN <Melanie.L.Goodman@usace.army.mil>, Creel, Travis J MVN <Travis.J.Creel@usace.army.mil>, Wingate, Mark R MVN <Mark.R.Wingate@usace.army.mil>  
**References:** <4C28F8BC.6050307@noaa.gov> <902F830C9A6EDB499F5602001F56B72CFBD349@mvn-ml06nol.mvn.ds.usace.army.mil> <4C2DEE28.3000202@noaa.gov>

Rick,

I really would like to see some details beyond summary level answers. The concept of moving an adjusting in construction is a lightning rod for scope, cost and schedule growth.

Tom

Thomas A. Holden Jr., P.E.  
DPM, New Orleans District  
(504) 862-2204 work  
(504) 920-6944  
thomas.a.holden@usace.army.mil

-----Original Message-----

**From:** Richard Hartman [mailto:Richard.Hartman@noaa.gov]  
**Sent:** Friday, July 02, 2010 8:48 AM  
**To:** Holden, Thomas A MVN

Cc: Paul, Britt - Alexandria, LA; Darryl\_Clark@fws.gov; Kirk.Rhinehart@la.gov; McCormick.karen@epamail.epa.gov; Rachel Sweeney; Jurgensen, John - Alexandria, LA; kevin roy; Kelley.Templet@LA.GOV; Brad Crawford; Goodman, Melanie L MVN; Creel, Travis J MVN; Wingate, Mark R MVN  
Subject: Re: Pelican Island project

Tom,

The following responds to the concerns raised in your previous email on this issue.

1. We do not anticipate reduction in the dune acreages. The proposal is for a northern shift of the entire project template and a possible increase in marsh creation area.
2. The proposed berm alignment falls within the Pelican Island project footprint.
3. We anticipate IFB issuance in concert with release of dredges associated with emergency berm construction.
4. Measures to address oil impacts and associated issues are being developed in a vein similar to those being stood up for on-going restoration, navigation and oil response dredging projects.
5. Detailed revised construction documents have not been developed yet. The proposed change is currently intended to trigger evaluation of the adequacy of existing LERDs and oyster leases clearances. It is the sponsors intention to conduct the re-design to optimize benefits within the existing funding authorization.
6. Upon development of detailed alignment and construction documents, we may find that the proposed adjustment results in more than a 25% increase in project benefits. A formal change in scope can be requested, although we note that this action is similar in nature to actions previously approved for expansions of the Marsh Island and Barataria Landbridge Marsh Creation projects.

If you have additional questions, please advise.

Rick

Holden, Thomas A MVN wrote:

- > TC Members,
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> Thomas A. Holden Jr., P.E.  
> DPM, New Orleans District  
> (504) 862-2204 work  
> (504) 920-6944  
> thomas.a.holden@usace.army.mil  
>  
> -----Original Message-----  
> From: Richard Hartman [mailto:Richard.Hartman@noaa.gov]  
> Sent: Monday, June 28, 2010 2:32 PM  
> To: Paul, Britt - Alexandria, LA; Darryl\_Clark@fws.gov;  
> Kirk.Rhinehart@la.gov; Holden, Thomas A MVN;  
> McCormick.karen@epamail.epa.gov; Rachel Sweeney; Jurgensen, John -  
> Alexandria, LA; kevin roy; Kelley.Templet@LA.GOV; Brad Crawford  
> Subject: Pelican Island project  
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## Massiello, Allison MVN-Contractor

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**From:** Goodman, Melanie L MVN  
**Sent:** Monday, September 20, 2010 2:26 PM  
**To:** Massiello, Allison MVN-Contractor  
**Subject:** FW: [Fwd: Re: Pelican Island project]  
**Attachments:** Rachel\_Sweeney.vcf

Please add to TC binders, agenda Item 4a.

-----Original Message-----

From: Rachel Sweeney [mailto:Rachel.Sweeney@noaa.gov]  
Sent: Monday, September 20, 2010 8:13 AM  
To: Goodman, Melanie L MVN  
Subject: [Fwd: Re: Pelican Island project]

----- Original Message -----

Subject: Re: Pelican Island project  
Date: Wed, 30 Jun 2010 12:28:23 -0500  
From: Richard Hartman <Richard.Hartman@noaa.gov>  
To: Goodman, Melanie L MVN <Melanie.L.Goodman@usace.army.mil>  
CC: Holden, Thomas A MVN <Thomas.A.Holden@usace.army.mil>, britt.paul@la.usda.gov, darryl\_clark@fws.gov, kirk.rhinehart@la.gov, McCormick.Karen@epamail.epa.gov, Rachel.Sweeney@noaa.gov, john.jurgensen@la.usda.gov, Kevin\_Roy@fws.gov, kelley.templet@la.gov, Crawford.Brad@epamail.epa.gov, Creel, Travis J MVN <Travis.J.Creel@usace.army.mil>, Wingate, Mark R MVN <Mark.R.Wingate@usace.army.mil>  
References:  
<F721993DFECCFFC4DAB878CA98CB9AE77F92651@mvn-m106n01.mvn.ds.usace.army.mil>

All - I have fixed my address book so that Melanie is included. Sorry Melanie. Basically, the reason we requested TC approval is that the State was not inclined to clear oyster leases in the area north of our project without TC approval of the revised template (this was not Kirk's decision). With the barrier berm to the south, and erosion of the island, our cross-sectional area for creation of a successful template was limited. We were trying to recapture our cross-section by moving north and needed to clear some oyster leases in that shallow open water area. We have no expectation that moving into shallower water, or the placement of sand in front of our template, would reduce our cost effectiveness. In terms of 303(e), we are unaware that similar expansions of projects associated with Marsh Island or the Barataria marsh creation on the land bridge project was required to undertake that effort.

Rick

Goodman, Melanie L MVN wrote:

>  
> Tech Com. I was not on Rick's original email. If you reply all to any  
> emails related to the request, please be sure to add me to the  
> distribution list.  
> -----  
> Melanie Goodman  
>  
> Message sent via my BlackBerry Wireless Device  
>  
>

> ----- Original Message -----  
> From: Holden, Thomas A MVN  
> To: 'Richard Hartman' <Richard.Hartman@noaa.gov>; Paul, Britt -  
> Alexandria, LA <britt.paul@la.usda.gov>; Darryl\_Clark@fws.gov  
> <Darryl\_Clark@fws.gov>; Kirk.Rhinehart@la.gov <Kirk.Rhinehart@la.gov>;  
> McCormick.karen@epamail.epa.gov <McCormick.karen@epamail.epa.gov>;  
> Rachel Sweeney <Rachel.Sweeney@noaa.gov>; Jurgensen, John -  
> Alexandria, LA <john.jurgensen@la.usda.gov>; kevin roy  
> <kevin\_roy@fws.gov>; Kelley.Templett@LA.GOV <kelley.templett@la.gov>;  
> Brad Crawford <Crawford.Brad@epamail.epa.gov>  
> Cc: Goodman, Melanie L MVN; Creel, Travis J MVN; Wingate, Mark R MVN  
> Sent: Wed Jun 30 07:34:22 2010  
> Subject: RE: Pelican Island project  
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## Massiello, Allison MVN-Contractor

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**Sent:** Monday, September 20, 2010 2:26 PM  
**To:** Massiello, Allison MVN-Contractor  
**Subject:** FW: [Fwd: [Fwd: RE: Pelican Island project]]  
**Attachments:** Rachel\_Sweeney.vcf

Please add to TC binders, agenda Item 4a.

-----Original Message-----

From: Rachel Sweeney [mailto:Rachel.Sweeney@noaa.gov]  
Sent: Monday, September 20, 2010 8:18 AM  
To: Goodman, Melanie L MVN  
Subject: [Fwd: [Fwd: RE: Pelican Island project]]

----- Original Message -----

Subject: [Fwd: RE: Pelican Island project]  
Date: Wed, 30 Jun 2010 12:17:57 -0500  
From: Rachel Sweeney <Rachel.Sweeney@noaa.gov>  
To: Goodman, Melanie L MVN <Melanie.L.Goodman@usace.army.mil>

----- Original Message -----

Subject: RE: Pelican Island project  
Date: Mon, 28 Jun 2010 16:47:28 -0500  
From: Paul, Britt - Alexandria, LA <britt.paul@la.usda.gov>  
To: Darryl\_Clark@fws.gov <Darryl\_Clark@fws.gov>, Richard Hartman <Richard.Hartman@noaa.gov>  
CC: Brad Crawford <Crawford.Brad@epamail.epa.gov>, "Jurgensen, John - Alexandria, LA" <john.jurgensen@la.usda.gov>, "Kelley.Templet@LA.GOV" <kelley.templet@la.gov>, kevin roy <kevin\_roy@fws.gov>, "Kirk.Rhinehart@la.gov" <Kirk.Rhinehart@la.gov>, "McCormick.karen@epamail.epa.gov" <McCormick.karen@epamail.epa.gov>, Rachel Sweeney <Rachel.Sweeney@noaa.gov>, Thomas Holden <Thomas.Holden@usace.army.mil>  
References: <4C28F8BC.6050307@noaa.gov>  
<0F6850E4D9.5E93812C-0N86257750.00747297-86257750.0074FC19@fws.gov>

NRCS concurs as well.

\*\*\*\*\*

\*W. Britt Paul, P.E.\*  
\*Assistant State Conservationist WR/RD\*  
\*USDA-NRCS\*  
\*318-473-7756\*

\*cell 318-613-7988\*  
[\\*britt.paul@la.usda.gov\\*](mailto:britt.paul@la.usda.gov)

\*From:\* [Darryl.Clark@fws.gov](mailto:Darryl.Clark@fws.gov) [<mailto:Darryl.Clark@fws.gov>]  
\*Sent:\* Monday, June 28, 2010 4:18 PM  
\*To:\* Richard Hartman  
\*Cc:\* Paul, Britt - Alexandria, LA; Brad Crawford; Jurgensen, John - Alexandria, LA; [Kelley.Templet@LA.GOV](mailto:Kelley.Templet@LA.GOV); kevin roy; [Kirk.Rhinehart@la.gov](mailto:Kirk.Rhinehart@la.gov); [McCormick.karen@epamail.epa.gov](mailto:McCormick.karen@epamail.epa.gov); Rachel Sweeney; Thomas Holden  
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Rick,

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Darryl

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06/28/2010 02:32 PM

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Subject

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**Sent:** Monday, September 20, 2010 2:27 PM  
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**From:** Rachel Sweeney <Rachel.Sweeney@noaa.gov>  
**To:** Goodman, Melanie L MVN <Melanie.L.Goodman@usace.army.mil>

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**Subject:** Re: Pelican Island project  
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**From:** Darryl\_Clark@fws.gov  
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Subject

Pelican Island project

Technical Committee,

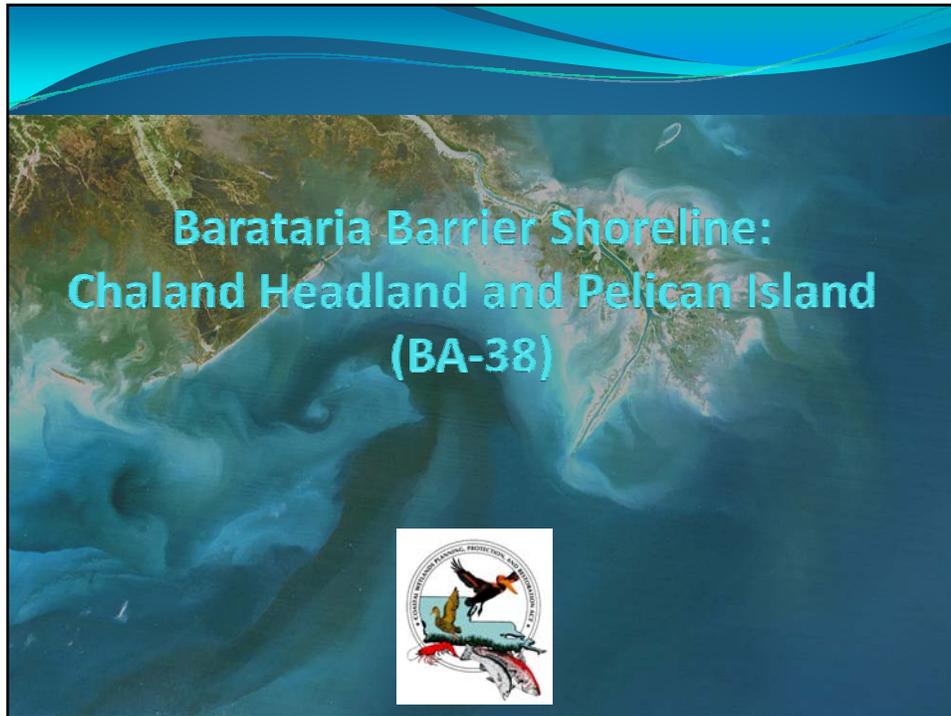
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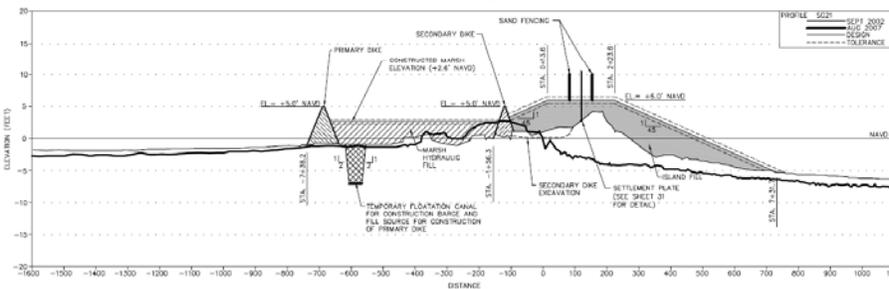
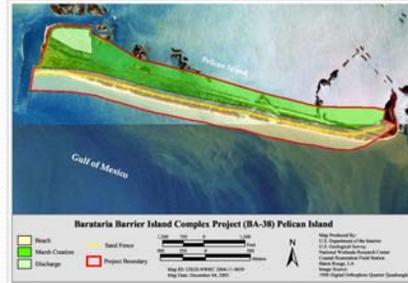
## Background

- Phase "0" / planning level work authorized in 2000 as a "complex" project
- Identify and prioritize CWPPRA-scale segments
- Highest priority reaches identified as Chaland Headland and Pelican Island
- Phase One for Chaland Headland and Pelican Island authorized in 2002 as BA-38
- Phase Two authorized for both reaches in 2005
- Total Fully funded costs estimated to be \$63 M



## Pelican Island (BA-38-1)

- Delays associated with land rights, oyster lease clearance, multiple storm events, OCS sand mining and endangered species
- Cost increase approved by TC and TF last year
- Contract advertisement pending at the time of DWH



## Current Status

- Shoreline erosion resulting in northward shift of dune template and narrowing of previously designed marsh platform
- Current conditions suggest that a wider marsh platform would provide superior project performance
- Sponsors proposed northward expansion of marsh fill to create additional  $\pm$  175 marsh acres
- Within existing funding authorization
- Estimated constructed acres: 573 (398 constructed acres authorized)



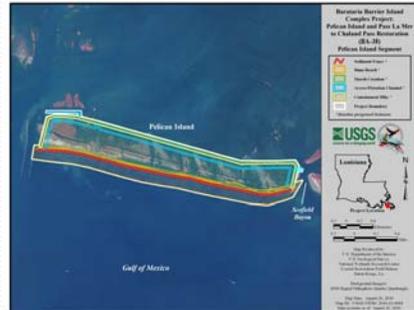
## Remaining Issues/Schedule

- Oysters/land rights for expanded marsh platform
- Results from borrow area contaminants investigation
- Package for federal procurement process
- Advertisement spring 2011

Original footprint



Revised footprint



Questions?

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**COAST-WIDE NUTRIA CONTROL PROGRAM – ANNUAL REPORT**

**For Report:**

Mr. Edmond Mouton with the Louisiana Department of Wildlife and Fisheries will present an Annual Report on the LA-03b Coast-wide Nutria Control Program (CNCP).

# Louisiana Coastwide Nutria Control Program: Year 8

## CWPPRA Project (LA-03b)

Edmond Mouton and Jillian Jordan  
Louisiana Department of Wildlife & Fisheries



Coastal Environments, Inc.  
Baton Rouge, LA



## Program Funding

- This project and its data collection is funded by the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) through the USDA-Natural Resources Conservation Service and the Office of Coastal Protection and Restoration (OCPR).
- Implemented by La. Dept. of Wildlife & Fisheries (LDWF), and Coastal Environments Inc. (CEI).

## Coastwide Nutria Control Program

- Goal: to significantly reduce marsh damage from nutria herbivory by removing 400,000 nutria per year.
- Method: incentive payment to registered hunters/trappers was \$4.00 per nutria tail for the first 4 years. In year 5 the payment was increased to \$5.00 per nutria tail delivered to collection station.

## Application Process

**Application Submitted to LDWF**

↓

**Application Reviewed by LDWF**

↓ Deny

**Letter to Participant Indicating Problem**

Approve



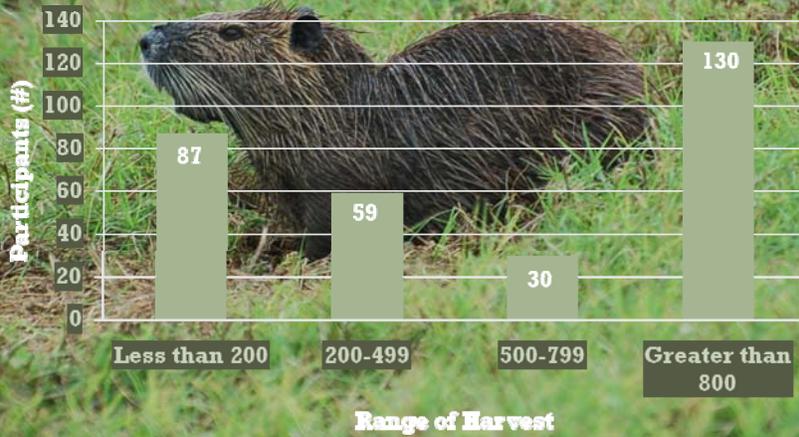
The image shows two documents. The top one is the 'COASTWIDE NUTRIA CONTROL PROGRAM PARTICIPANT APPLICATION FORM (2010-2011)'. It contains fields for personal information (SSN, Name, Mailing Address, City, State, Zip, Phone, Birth Date, Driver's License No., State), a signature line, and a section for property information (Company Name, Representative Name, Address, City, State, Zip, Phone). It also includes checkboxes for 'Have you ever participated in the program?' and 'If yes, are you trapping/hunting the same property?'. The bottom document is the '2010 - 2011 SEASON PARTICIPANT IDENTIFICATION CARD'. It features a QR code, the participant's name (Bridy M. Cofell), registration number (1006), hunter trapping number (01273442), and driver's license number (LA 7988300). It also lists the participant's address and the specific areas they are authorized to trap/hunt in the Lake and Bayou areas of the Terrebonne and St. Martin parishes.

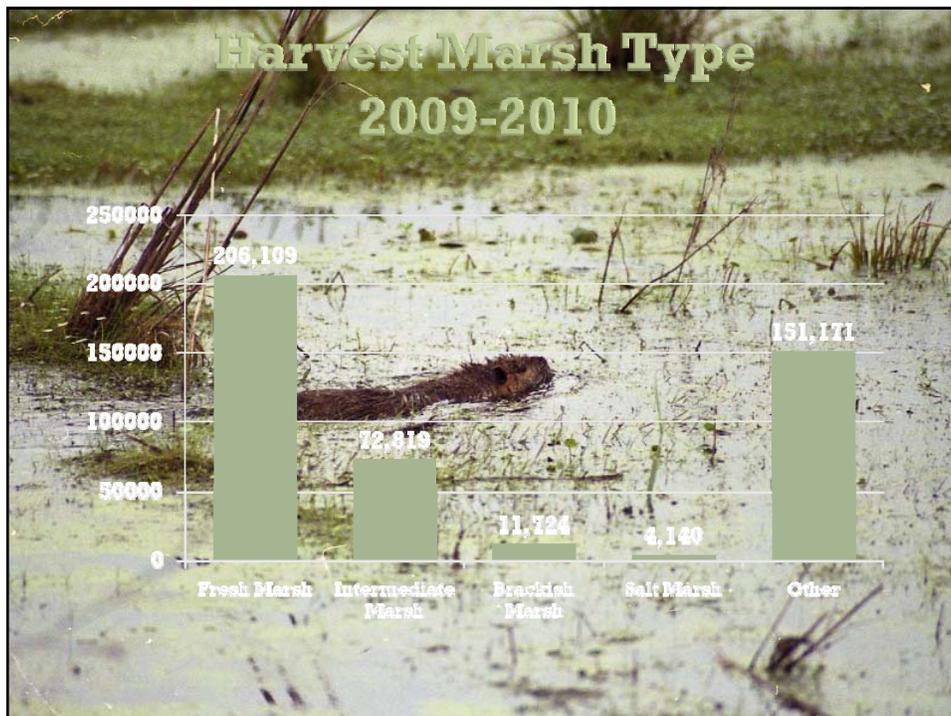
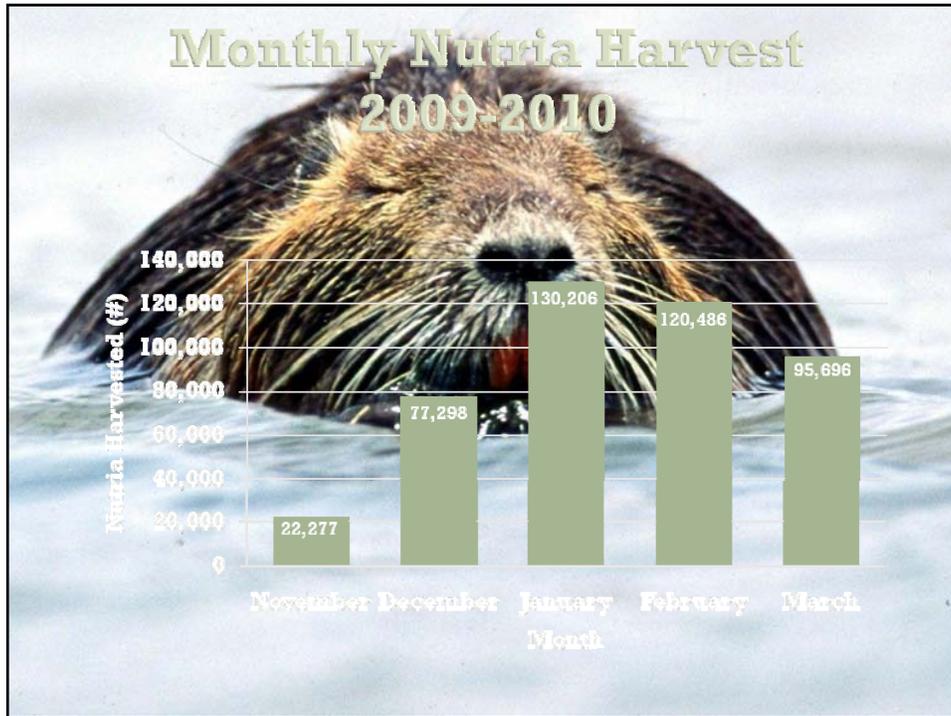
## Nutria Harvest 2009-2010

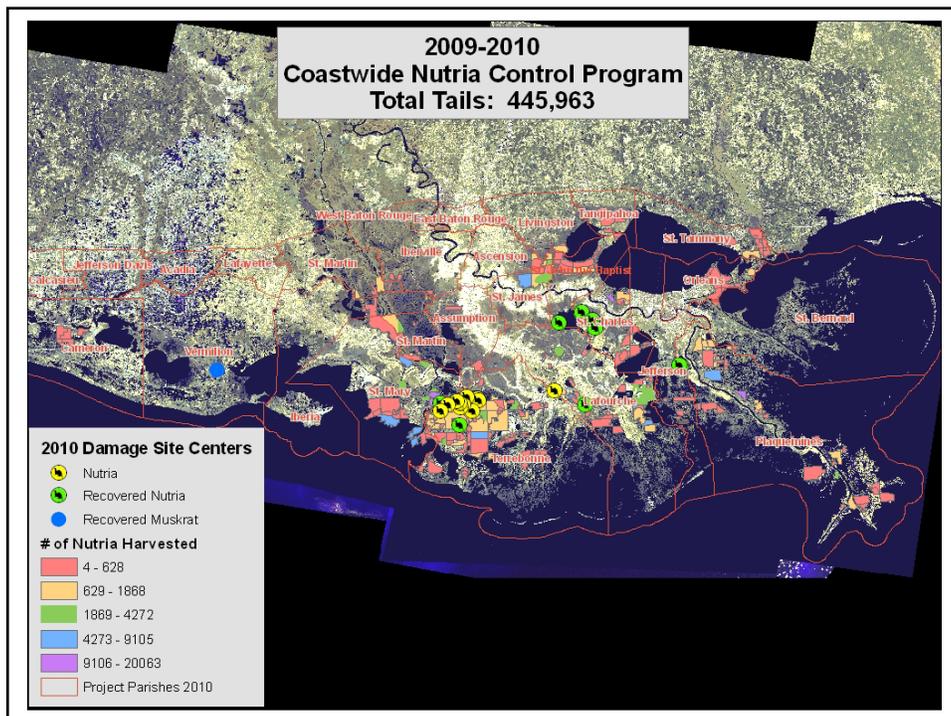
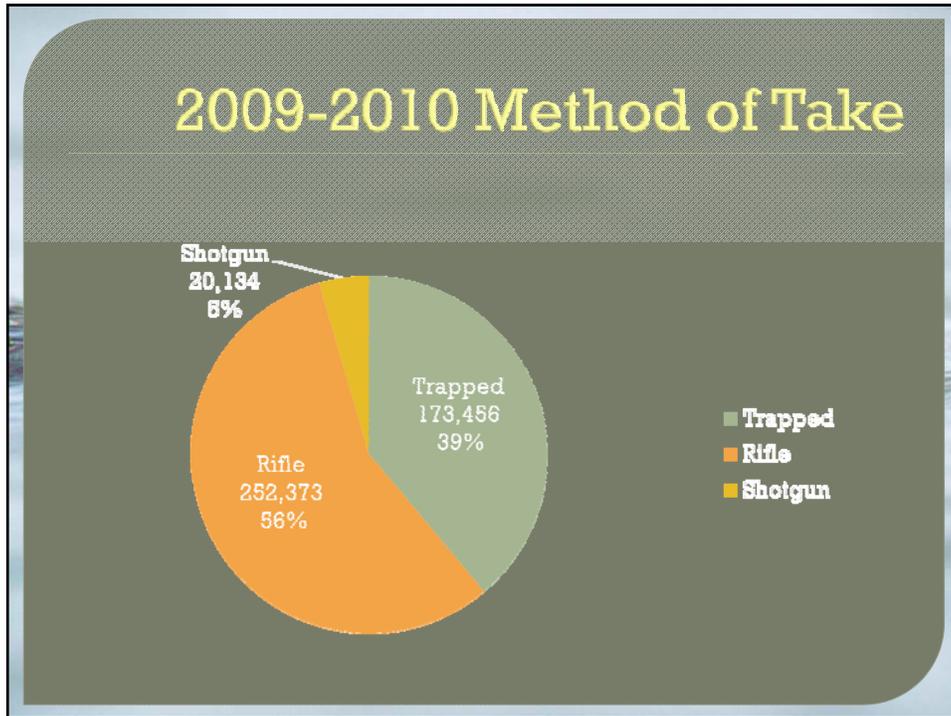


- A total of 445,963 nutria tails, worth \$2,229,815 in incentive payments were collected.
- 306 active participants.

## Nutria Harvest 2009-2010







### 206-B Bell Jet Ranger



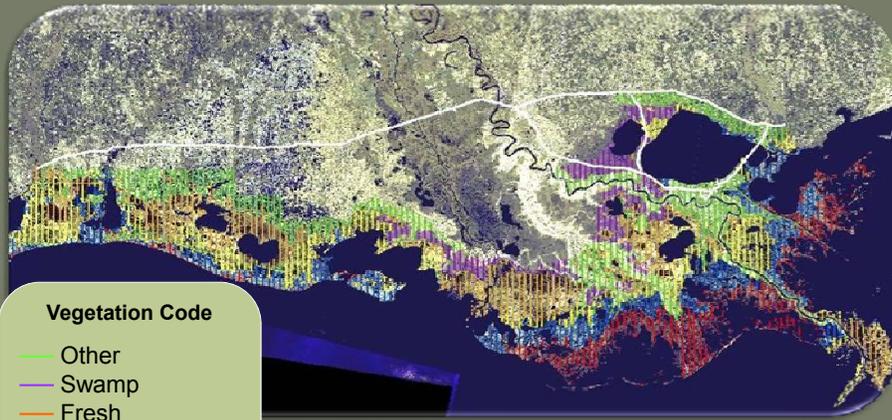
#### Crew :

- Two observes positioned on opposite sides of the helicopter. One observer navigates along the transect line and the other observer records all pertinent data.
- Pilot

### 206-B Bell Jet Ranger Inside View



# Transect Lines

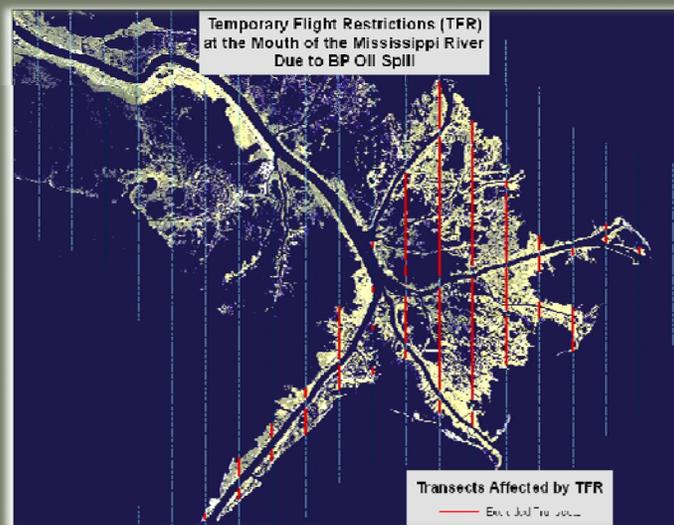


### Vegetation Code

- Other
- Swamp
- Fresh
- Intermediate
- Brackish
- Salt

- 155 transect lines
- 2,354.70 total miles

# Temporary Flight Restrictions (TFR)



Temporary Flight Restrictions (TFR)  
at the Mouth of the Mississippi River  
Due to BP Oil Spill

Transects Affected by TFR  
Excluded Transect

### 2009-2010

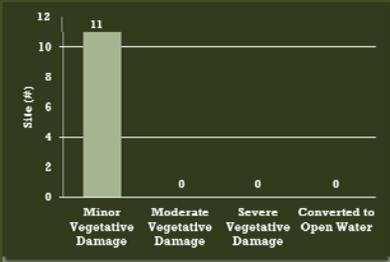


2009 Site #423  
Minor Damage



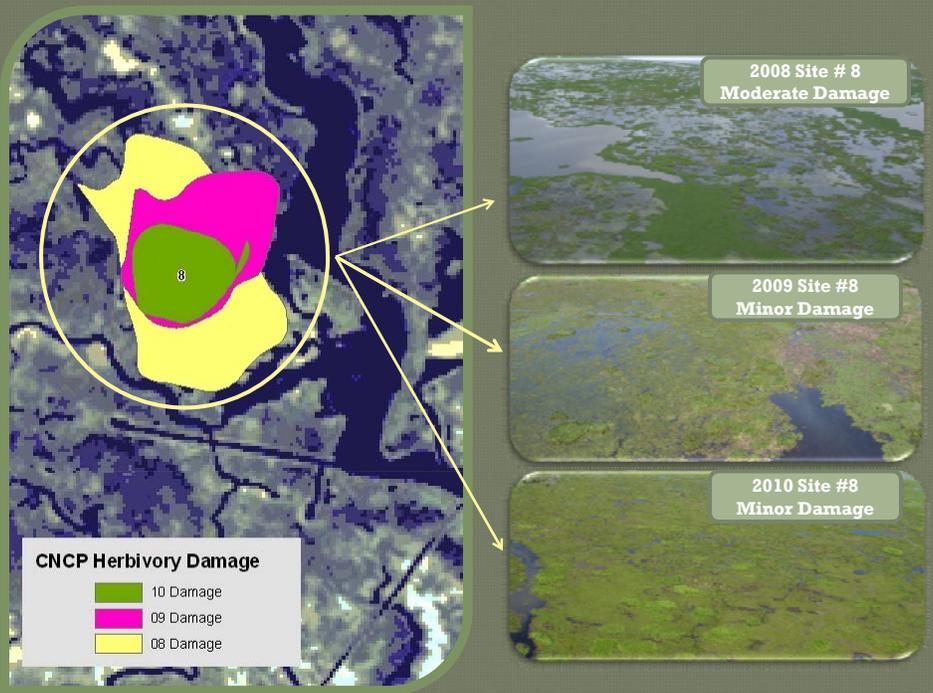
2010 Site #423  
Recovered

-11 total nutria damage sites  
-2,260 acres damaged along transects



Damage Category	Site (#)
Minor Vegetative Damage	11
Moderate Vegetative Damage	0
Severe Vegetative Damage	0
Converted to Open Water	0





**CNCP Herbivory Damage**

- 10 Damage (Green)
- 09 Damage (Magenta)
- 08 Damage (Yellow)



2008 Site # 8  
Moderate Damage



2009 Site #8  
Minor Damage



2010 Site #8  
Minor Damage

## 2010 Nutria Damage Survey

- The 2010 Vegetative Damage Survey yielded **8,475** acres of nutria damage coastwide.
- Compared to 2009 (**20,333** acres coastwide), this was approximately a **58% decrease** in the number of damaged acres in 2010.
- The recovered sites (**9**) in 2010 had a combined acreage of **1,914**

## Questions???

[www.nutria.com](http://www.nutria.com)

Edmond Mouton or Jillian Jordan

337-373-0032



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**PENDING DEAUTHORIZATION OF THE BROWN LAKE HYDROLOGIC  
RESTORATION PROJECT**

**For Report/Decision:**

The Task Force initiated procedures to deauthorize the Brown Lake Hydrologic Restoration Project on October 28, 2009. Notice of the pending deauthorization was sent on August 23, 2010, to the U.S. Congress, the State House and Senate natural Resources Committee chairs, and to adjacent landowners. The notice was also disseminated via the Breaux Act News Flash. The Task Force will consider the Technical Committee's recommendation for final deauthorization of the Brown Lake Hydrologic Restoration Project as requested by NRCS and OCPR.

**Technical Committee Recommendation:**

The Technical Committee recommends deauthorization of the Brown Lake Hydrologic Restoration Project as request by NRCS and OCPR.



REPLY TO  
ATTENTION OF:

DEPARTMENT OF THE ARMY  
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 60267  
NEW ORLEANS, LOUISIANA 70160-0267

8 AUG 2010

FILE

Programs and Project Management Division  
Projects Branch

Honorable David Vitter  
United States Senate  
516 Hart Senate Office Building  
Washington, DC 20510-1805

Dear Senator Vitter:

The Louisiana Coastal Wetlands Conservation and Restoration Task Force is initiating procedures to deauthorize the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA) Brown Lake Hydrologic Restoration Project (CS-09) as requested by the project sponsors due to the project's lack of technical merit (see enclosed letter dated July 6, 2010).

This 2<sup>nd</sup> Priority Project List project (Fact Sheet enclosed) is located in Cameron and Calcasieu parishes approximately 3 miles north of Hackberry, Louisiana. Saltwater intrusion from the Calcasieu Ship Channel and increased tidal amplitudes have caused 90% of the marsh loss in this system. The purpose of the project is to restore to the extent possible, the altered hydrology of about 2,800 acres of wetlands in the area of Brown Lake. Original project features included installing two water control structures and two freshwater introduction structures; rehabilitating and/or constructing about 30,000 linear feet of boundary levees; and constructing and vegetating 20,500 linear feet of terraces. Based on subsequent modeling results that indicated certain features would not provide the expected benefits, further coordination between the project sponsors resulted in an alternative consisting of only earthen terraces (all the hydrologic restoration components were eliminated). The original concept was projected to yield 279 net wetland acres and 121 average annual habitat units (AAHUs) at the end of 20 years following construction. At the time, the estimated fully funded cost of \$3.2 million included the costs of engineering and design, construction, and 20 years of operations and maintenance (O&M). The current project alternative is estimated to yield 37 net wetland acres and 44 AAHUs after 20 years, at an estimated fully funded cost of \$4.0 million. Therefore, the sponsors have requested the Task Force to deauthorize the project.

Prior to making a final decision, the Task Force will consider written comments on the request to deauthorize the project. Written comments should be provided within 30 days of the date of this letter to the following address:

Colonel Edward R. Fleming  
District Commander  
US Army Corps of Engineers, New Orleans District  
Attention: Projects Branch West, CWPPRA Manager  
P.O. Box 60267  
New Orleans, Louisiana 70160-0267

If you need further information, please contact Mr. Thomas A. Holden Jr., Deputy District Engineer for Project Management, at (504) 862-2204 or Ms. Melanie Goodman, CWPPRA Program Manager, at (504) 862-1940.

Sincerely,

(5)  
*Fleming*  
Edward R. Fleming  
Colonel, US Army  
District Commander

Enclosures

Copies Furnished:

Honorable Mary L. Landrieu  
United States Senate  
516 Hart Senate Office Building  
Washington DC 20515-1802

Honorable Charles Boustany  
House of Representatives  
1117 Longworth House Office Building  
Washington DC 20515-1807

Honorable Dan "Blade" Morrish  
Louisiana Senate  
119 W. Nezpique Street  
Jennings, Louisiana 70546

Honorable Johnathan Perry  
Louisiana House of Representatives  
407 Charity Street, Suite 102  
Abbeville, Louisiana 70510

*[Signature]*  
HENNINGTON - PM -  
PMW

*[Signature]*  
GOODMAN - SPM -  
PMW

*[Signature]*  
WINGATE - PMW  
CHIEF

*[Signature]*  
FREDERICK - OC

*[Signature]*  
HAWKINS - PPMD/D

EXEC OFFICE  
*[Signature]*

Honorable Magnus "Sonny" McGee  
President  
Cameron Parish Police Jury  
121 Alvin Lane  
Cameron, Louisiana 70631

Mr. William K. Honker  
Deputy Director  
Water Quality Protection Division  
Environmental Protection Agency, Region 6  
1445 Ross Avenue  
Dallas, Texas 75202-2733

Mr. Kevin Norton  
State Conservationist  
Natural Resource Conservation Service  
3737 Government Street  
Alexandria, Louisiana 71302

Mr. Robert J. Constance  
Agent/Attorney-in-Fact for  
Ms. Sheila Constance Miller  
9461 Boxwood Drive  
Shreveport, Louisiana 71118

Mr. Robert J. Constance  
Curator for Interdict  
Ms. Ruby Mae Constance  
1720 Carl Lyons Road  
Sulphur, Louisiana 70665

Mr. George Wallace Tate and  
Mr. Cecil Earnest Singleton Tate  
1208 Inverness  
Lake Charles, Louisiana 70605

Mr. Howard Romero  
690 Middle Ridge  
Cameron, Louisiana 70631

Mr. Garret Graves  
Director  
Office of Coastal Activities  
1051 North Third Street  
Capital Annex Building, Suite 138  
Baton Rouge, Louisiana 70802

Mr. Jim Boggs  
Field Supervisor  
US Fish and Wildlife Service  
Louisiana Field Office  
646 Cajunland Boulevard, Suite 400  
Lafayette, Louisiana 70506

Mr. Christopher Doley  
Director, National Oceanic  
and Atmospheric Administration  
National Marine Fisheries Service  
1315 East-West Highway, Room 14853  
Silver Spring, Maryland 20910

Mr. Robert J. Constance  
1376 Halverson Road  
Carlyss, Louisiana 70665

Sabine Resources, Inc.  
ATTN: Mr. James Short  
5718 Westheimer, Suite 1251  
Houston, Texas 77057

PBA Properties et al.  
C/O Walker Louisiana Properties  
ATTN: Mr. Joe Cooper  
P.O. Box 1048  
Lake Charles, Louisiana 70602

Hilcorp Energy I LP  
ATTN: Mr. Troy Richard/  
Mr. Michael Wuensche  
P.O. Box 61229  
Houston, Texas 77208-1229

Mr. Louie D. Barbé III  
1112 Paris Street  
Lake Charles, Louisiana 70601

Mr. Chad L. Constance  
1716 Carl Lyons Road  
Sulphur, Louisiana 70665

Lakes of Gum Cove LLC  
and Lakes Gum Cove Land LLC  
Messrs. Anthony & Joe Palermo  
3506 Ryan Street  
Lake Charles, Louisiana 70605

M. Deborah Constance Dixon  
P.O. Box 471  
Harker's Island, North Carolina 28531

Lakes of Gum Cove LLC  
and Lakes of Gum Cove Land LLC  
Messrs. Anthony & Joe Palermo  
2713 Maplewood Drive  
Sulphur, Louisiana 70663



Coastal Protection and  
Restoration Authority of Louisiana

# State of Louisiana

**BOBBY JINDAL**  
GOVERNOR

July 6, 2010

Mr. Thomas A. Holden Jr., P.E.  
Chairman  
CWPPRA Technical Committee  
US Army Corps of Engineers-NOD  
P.O. Box 60267  
New Orleans, LA 70160-0267

RE: Brown Lake Hydrologic Restoration Project (CS-09)

Dear Mr. Holden:

Please accept this correspondence as the State of Louisiana's official request to deauthorize the CWPPRA Brown Lake Hydrologic Restoration project (CS-09) based on the project's lack of technical merit. This letter has been reviewed by NRCS, the Federal sponsor, and we have their concurrence.

Please direct questions regarding this matter to the OCPR Project Manager, Robert Routon (225-342-9421).

Sincerely,

William K. "Kirk" Rhinehart  
Office of Coastal Protection and Restoration  
Planning Administrator

c: Britt Paul, NRCS, Alexandria, LA  
Richard Hartman, NMFS, Baton Rouge, LA  
Karen McCormick, EPA, Dallas, TX  
Darryl Clark, USFWS, Lafayette, LA  
Robert Routon, OCPR Project Manager



# Brown Lake Hydrologic Restoration (CS-09)

## Project Status

**Approved Date:** 1993      **Cost:** \$4.00 M  
**Project Area:** 916 acres      **Status:** Engineering and Design  
**Net Benefit After 20 Years:** 37 acres  
**Project Type:** Hydrologic Restoration

## Location

This project is located in Cameron and Calcasieu parishes, approximately 3 miles north of Hackberry, Louisiana.

## Problems

Saltwater intrusion from the Calcasieu Ship Channel and increased tidal amplitudes have caused 90 % of the marsh in this system to be lost.

## Restoration Strategy

This project will restore, to the extent possible, the altered hydrology of approximately 2,800 acres of wetlands in the area of Brown Lake. This project consists of the installation of two water control structures, two freshwater introduction structures, the rehabilitation or construction of approximately 30,000 linear feet of boundary levees, and 20,500 linear feet of terraces and associated vegetative plantings.

## Progress to Date

This project is being coordinated with the U.S. Army Corps of Engineers dredging program. Several pipeline-related issues have caused delays, but these issues have been resolved. The permits, the effects of Crab Gully, and the operations agreements have been addressed. Contract advertisement will take place after receiving Phase 2 funding approval from the Louisiana Coastal Wetlands Conservation and Restoration Task Force.

This project is on Priority Project List 2.



In order to prevent wind generated wave erosion from destroying the freshly added spoil, vegetation is planted to get a head start on providing cover for the fragile soil.

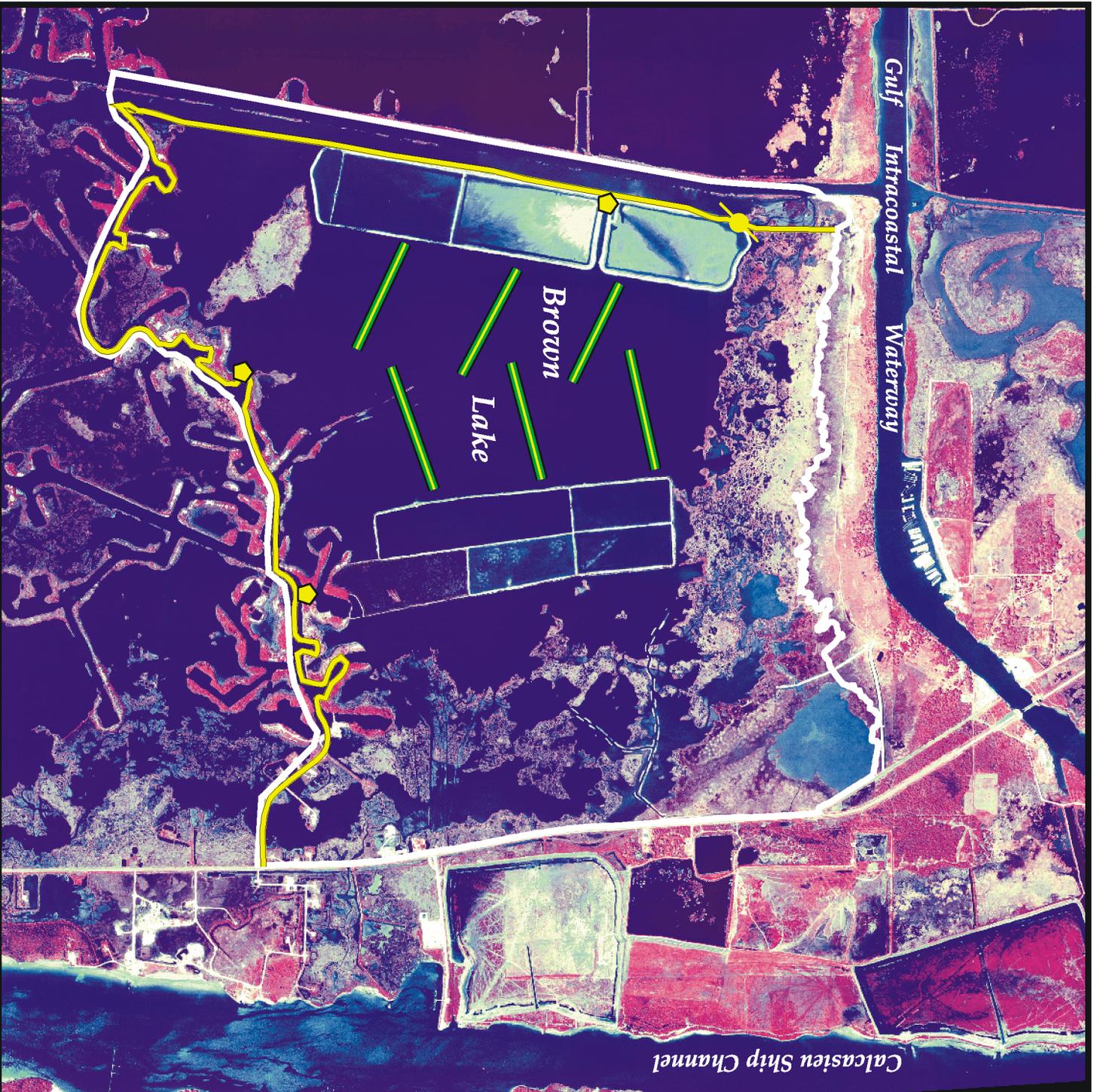
*For more project information, please contact:*



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

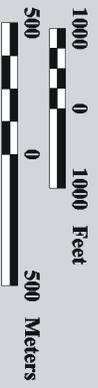


**Local Sponsor:**  
 Louisiana Department of Natural Resources  
 Baton Rouge, LA  
 (225) 342-7308



# Brown Lake Hydrologic Restoration (CS-09)

-  Water Control Structure \*
  -  Weir \*
  -  Containment Dike \*
  -  Terrace \*
  -  Project Boundary
- \* denotes proposed features



Map Produced By:  
 U.S. Department of the Interior  
 U.S. Geological Survey  
 National Wetlands Research Center  
 Coastal Restoration Field Station

Background Imagery:  
 Color Infrared Aerial Photography 2002  
 Date: August 25, 2003  
 Map ID: USGS-NWRC 2003-11-096  
 Data accurate as of: April 4, 2003

## Massiello, Allison MVN-Contractor

---

**From:** Breaux Act Newsflash [BreauxAct@nwrccom.cr.usgs.gov]  
**Sent:** Friday, August 27, 2010 9:09 AM  
**To:** Massiello, Allison MVN-Contractor  
**Subject:** Breaux Act Newsflash - Brown Lake Hydrologic Restoration Project (CS-09)  
**Attachments:** ATT442840.jpg; ATT442841.jpg; ATT442844.gif; ATT442845.gif; ATT442842.gif; ATT442843.gif; ATT442846.gif; ATT442847.gif; ATT442848.gif; ATT442849.gif; ATT442850.gif; ATT442851.gif; ATT442852.png; ATT442853.gif; ATT442854.gif; ATT442855.gif; ATT442856.gif; ATT442857.gif

Cannot view this mail with images? View in a browser  
<<http://lacoast.gov/ocmc/MailContent.aspx?ID=1336>>  
<<http://lacoast.gov/>>

### PUBLIC NOTICE

The Louisiana Coastal Wetlands Conservation and Restoration Task Force has initiated procedures to deauthorize the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA) Brown Lake Hydrologic Restoration Project (CS-09).

This CWPPRA 2nd Priority Project List project is located in Cameron and Calcasieu parishes approximately 3 miles north of Hackberry, Louisiana. Saltwater intrusion from the Calcasieu Ship Channel and increased tidal amplitudes have caused 90% of the marsh loss in this system. The purpose of the project is to restore to the extent possible, the altered hydrology of about 2,800 acres of wetlands in the area of Brown Lake. Original project features included installing two water control structures and two freshwater introduction structures; rehabilitating and/or constructing about 30,000 linear feet of boundary levees; and constructing and vegetating 20,500 linear feet of terraces. Based on subsequent modeling results that indicated certain features would not provide the expected benefits, further coordination between the project sponsors resulted in an alternative consisting of only earthen terraces (all the hydrologic restoration components were eliminated). The original concept was projected to yield 279 net wetland acres and 121 average annual habitat units (AAHUs) at the end of 20 years following construction. At the time, the estimated fully funded cost of \$3.2 million included the costs of engineering and design, construction, and 20 years of operations and maintenance (O&M). The current project alternative is estimated to yield 37 net wetland acres and 44 AAHUs after 20 years, at an estimated fully funded cost of \$4.0 million. Therefore, the sponsors have requested the Task Force to deauthorize the project.

Prior to making a final decision, the Task Force will consider written comments on the request to deauthorize the project. Written comments should be provided by September 22, 2010, to the following address:

Colonel Edward R. Fleming

District Commander

US Army Corps of Engineers, New Orleans District

Attention: Projects Branch West, CWPPRA Manager P.O. Box 60267 New Orleans, Louisiana 70160-0267

If you need further information, please contact Ms. Melanie Goodman, CWPPRA Program Manager, at (504) 862-1940.

See what's new on the CWPPRA Web site! Visit LaCoast.gov <<http://lacoast.gov/>>

Tell Us What you Think

We welcome your comments! Contact us at [lacoast@nwrccom.cr.usgs.gov](mailto:lacoast@nwrccom.cr.usgs.gov)

Spread the Word

Tell your friends they can receive this free newsletter by subscribing at:  
<http://www.lacoast.gov/news/newsletter.htm>

For More Program Information:

Subscribe to WaterMarks, the Breaux Act newsletter, by contacting [lacoast@nwrccom.cr.usgs.gov](mailto:lacoast@nwrccom.cr.usgs.gov)  
To view on-line issues visit  
<http://www.lacoast.gov/WaterMarks>

CWPPRA Managing Agencies:

<<http://www.mvn.usace.army.mil/>> <<http://www.epa.gov/earth1r6/index.htm>>  
<<http://www.fws.gov/coastal/CoastalGrants/>> <<http://www.la.nrcs.usda.gov/>>  
<<http://www.nmfs.noaa.gov/habitat/restoration/>> <<http://www.ocpr.louisiana.gov/>>  
<<http://www.goca.state.la.us/>>

Other Related Coastal Restoration Web Sites:

<<http://www.nwrc.usgs.gov/>> <<http://www.btneq.org/>> <<http://www.coast2050.gov/>>  
<<http://www.fws.gov/coastal/CoastalGrants/>> <<http://www.lca.gov/>>

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**FY11 PLANNING BUDGET APPROVAL, INCLUDING THE PPL 21 PROCESS, AND PRESENTATION OF FY11 OUTREACH BUDGET**

**For Decision:**

- a. The Technical Committee will recommend to the Task Force that the PPL 21 Planning Process Standard Operating Procedures include selecting three nominees in the Barataria, Terrebonne, and Pontchartrain Basins, and two nominees in all other basins, except Atchafalaya where only one nominee would be selected. If only one project is presented at the Regional Planning Team meeting for the Mississippi River Delta Basin, then an additional nominee would be selected for the Breton Sound Basin.
- b. The CWPPRA Outreach Committee will request Task Force approval for the FY11 Outreach Committee Budget in the amount of \$452,400.
- c. The Task Force will consider the Technical Committee's recommendation to approve the FY11 Planning Budget, which includes the Outreach Committee Budget above, in the amount of \$5,052,673.
- d. The Task Force will consider the Technical Committee's recommendation to approve the following change to the CWPPRA SOP:

**Section 6a. (1) (c):**

The responsibilities of the Technical Committee include the annual review of the outreach budget and the Public Outreach Committee's strategic plan. These efforts should be undertaken concurrent with the annual planning budget in the spring and summer Technical Committee and Task Force meetings, respectively.

**Technical Committee Recommendation:**

The Technical Committee recommends:

- a. Approval of the PPL 21 Planning Process Standard Operating Procedures, dated September 28, 2010.
- c. Approval of FY 11 Planning Budget in the amount of \$5,052,673, which includes the Outreach Committee budget in the amount of \$452,400.
- d. Approval of a CWPPRA SOP change to move review and approval of the Annual Planning budget, including the Outreach Committee's budget and strategic plan, to the spring and summer meetings.

## APPENDIX A

### PRIORITY LIST 21 SELECTION PROCESS

**Coastal Wetlands Planning, Protection and Restoration Act  
Guidelines for Development of the 21<sup>st</sup> Priority Project List  
Draft Final for Technical Committee Recommendation  
September 28, 2010**

#### I. Development of Supporting Information

A. COE staff prepares spreadsheets indicating status of all restoration projects (CWPPRA Priority Project Lists (PPL) 1-20; Louisiana Coastal Area (LCA) Feasibility Study, Corps of Engineers Continuing Authorities 1135, 204, 206; and State only projects). Also, indicate net acres at the end of 20 years for each CWPPRA project.

B. OCPR/USGS staff prepare basin maps indicating:

- 1) Boundaries of the following projects types (PPLs 1-20; LCA Feasibility Study, COE 1135, 204, 206; and State only).
- 2) Locations of completed projects.
- 3) Projected land loss by 2050 including all CWPPRA projects approved for construction through January 2011.
- 4) Regional boundary maps with basin boundaries and parish boundaries included.

#### II. Project Nominations

A. The four Regional Planning Teams (RPTs) will meet individually by region to examine basin maps, discuss areas of need and Coast 2050 strategies, and accept project nominations by hydrologic basin. Project nominations that provide benefits or construct features in more than one basin shall be presented in the basin receiving the majority of the project's benefits. The RPT leaders, in coordination with the project proponents and the P&E Subcommittee, will determine which basin to place multi-basin projects. Alternatively, multi-basin projects can be broken into multiple projects to be considered individually in the basins which they occur. Project nominations that are legitimate coast-wide applications will be accepted separate from the nine basins at any of the four RPT meetings.

Proposed project nominees shall support Coast 2050 strategies. Nominations for demonstration projects will also be accepted at any of the four RPT meetings.

The RPTs will not vote to select nominee projects at the individual regional meetings. Rather, voting will be conducted during a separate coast-wide RPT meeting. All CWPPRA agencies and parishes will be required to provide the name and contact information during the RPT meetings for the official representative that will vote at the coast-wide RPT meeting.

B. One coast-wide RPT meeting will be held after the individual RPT meetings to vote for nominees (including basin, coast-wide and demonstration project nominees). The RPTs will select three projects in the Terrebonne, Barataria, and Pontchartrain Basins based on the high loss rates (1985-2006) in those basins. Two projects will be selected in the Breton Sound, Teche/Vermilion, Mermentau, Calcasieu/Sabine, and Mississippi River Delta Basins. Because of the relatively low land loss rates, only one project will be selected in the Atchafalaya Basin. If only one project is presented at the Region II RPT Meeting for the Mississippi River Delta Basin, then an additional nominee would be selected for the Breton Sound Basin.

A total of up to 20 basin projects could be selected as nominees. Each officially designated parish representative in the basin will have one vote and each federal CWPPRA agency and the State will have one vote. If coast-wide projects have been presented, the RPTs will select one coast-wide project nominee to compete with the 20 basin nominees for candidate project selection. Selection of a coast-wide project nominee will be by consensus, if possible. If voting is required, officially designated representatives from all coastal parishes will have one vote and each federal CWPPRA agency and the State will have one vote. The RPTs will also select up to six demonstration project nominees at this coast-wide meeting. Selection of demonstration project nominees will be by consensus, if possible. If voting is required, officially designated representatives from all coastal parishes will have one vote and each federal CWPPRA agency and the State will have one vote.

C. Prior to the coast-wide RPT voting meeting, the Environmental and Engineering Work Groups will screen each coast-wide project nominated at the RPT meetings to ensure that each qualifies as a legitimate coast-wide application. Should any of those projects not qualify as a coast-wide application, then the RPT leaders, in coordination with the project proponents and the P&E Subcommittee, will determine which basin the project should be placed in.

Also, prior to the coast-wide RPT voting meeting, the Environmental and Engineering Work Groups will screen each demonstration project nominated at the RPT meetings. Demonstration projects will be screened to ensure that each meets the qualifications for demonstration projects as set forth in the CWPPRA Standard Operating Procedures (SOP), Appendix E.

D. A lead Federal agency will be designated for the nominees and demonstration project nominees to prepare preliminary project support information (fact sheet,

maps, and potential designs and benefits). The RPT Leaders will then transmit this information to the P&E Subcommittee, Technical Committee and other RPT members.

### III. Preliminary Assessment of Nominated Projects

A. Agencies, parishes, landowners, and other individuals informally confer to further develop projects. Nominated projects shall be developed to support Coast 2050 strategies and goals.

B. The lead agency designated for each nominated project will prepare a brief Project Description that discusses possible features. Fact sheets will also be prepared for demonstration project nominees.

C. Engineering and Environmental Work Groups meet to review project features, discuss potential benefits, and estimate preliminary fully funded cost ranges for each project. The Work Groups will also review the nominated demonstration projects and verify that they meet the demonstration project criteria.

D. P&E Subcommittee prepares matrix of cost estimates and other pertinent information for nominees and demonstration project nominees and furnishes to Technical Committee and Coastal Protection and Restoration Authority (CPRA).

### IV. Selection of Phase 0 Candidate Projects

A. Technical Committee meets to consider the project costs and potential wetland benefits of the nominees. Technical Committee will select ten candidate projects for detailed assessment by the Environmental, Engineering, and Economic Work Groups. At this time, the Technical Committee will also select up to three demonstration project candidates for detailed assessment by the Environmental, Engineering, and Economic Work Groups.

B. Technical Committee assigns a Federal sponsor for each project to develop preliminary Wetland Value Assessment (WVA) data and engineering cost estimates for Phase 0 as described below.

### V. Phase 0 Analysis of Candidate Projects

A. Sponsoring agency coordinates site visits for each project. A site visit is vital so each agency can see the conditions in the area and estimate the project area boundary. There will be no site visits conducted for demonstration projects.

B. Environmental and Engineering Work Groups and the Academic Advisory Group meet to refine project features and develop boundaries based on site visits.

C. Sponsoring agency develops a draft WVA and prepares Phase 1 engineering and design cost estimates and Phase 2 construction cost estimates. Sponsoring agency should use formats approved by the applicable work group.

D. Environmental Work Group reviews and approves all draft WVAs. Demonstration project candidates will be evaluated as outlined in Appendix E of the CWPPRA SOP.

E. Engineering Work Group reviews and approves Phase 1 and 2 cost estimates.

F. Economics Work Group reviews cost estimates and develops annualized (fully funded) costs.

G. Corps of Engineers staff prepares information package for Technical Committee and CPRA. Packages consist of:

- 1) updated Project Fact Sheets;
- 2) a matrix for each region that lists projects, fully funded cost, average annual cost, Wetland Value Assessment results in net acres and Average Annual Habitat Units (AAHUs), and cost effectiveness (average annual cost/AAHU); and
- 3) a qualitative discussion of supporting partnerships and public support.

H. Technical Committee will host two public hearings to present the results from the candidate project evaluations. Public comments from the public will be accepted during the meeting and in writing.

## VI. Selection of 21<sup>st</sup> Priority Project List

A. The selection of the 21<sup>st</sup> PPL will occur at the Winter Technical Committee and Task Force meetings.

B. Technical Committee meets and considers matrix, Project Fact Sheets, and public comments. The Technical Committee will recommend up to four projects for selection to the 21<sup>st</sup> PPL. The Technical Committee may also recommend demonstration projects for the 21<sup>st</sup> PPL.

C. The CWPPRA Task Force will review the Technical Committee recommendations and determine which projects will receive Phase 1 funding for the 21<sup>st</sup> PPL.

## **21<sup>st</sup> Priority List Project Development Schedule (dates subject to change)**

December 2010	Distribute public announcement of PPL21 process and schedule
December 8, 2010	Winter Technical Committee Meeting, approve Phases I and II (Baton Rouge)
January 18, 2011	Winter Task Force Meeting (New Orleans)
January 25, 2011	Region IV Planning Team Meeting (Rockefeller Refuge)
January 26, 2011	Region III Planning Team Meeting (Houma)
January 27, 2011	Regions I and II Planning Team Meetings (New Orleans)
February 23, 2011	Coast-wide RPT Voting Meeting (Baton Rouge)
February 24 - March 11, 2011	Agencies prepare fact sheets for RPT-nominated projects
March 22-23, 2011	Engineering/ Environmental Work Groups review project features, benefits & prepare preliminary cost estimates for nominated projects (Baton Rouge)
March 24, 2011	P&E Subcommittee prepares matrix of nominated projects showing initial cost estimates and benefits
April 19, 2011	Spring Technical Committee Meeting, select PPL21 candidate projects (Baton Rouge)
May/June/July	Candidate project site visits
June 1, 2011	Spring Task Force Meeting (Lafayette)
July/August/ September	Env/Eng/Econ Work Group project evaluations
September 20, 2011	Fall Technical Committee Meeting, O&M and Monitoring funding recommendations (Baton Rouge)
October 26, 2011	Fall Task Force meeting, O&M and Monitoring approvals (New Orleans)
October 26, 2011	Economic, Engineering, and Environmental analyses completed for PPL21 candidates
November 16, 2011	PPL 21 Public Meeting (Abbeville)
November 17, 2011	PPL 21 Public Meeting (New Orleans)
November 30, 2011	Winter Technical Committee Meeting, recommend PPL21 and Phase I and II approvals (Baton Rouge)
January 17, 2012	Winter Task Force Meeting, select PPL21 and approve Phase II requests (New Orleans)

## **CWPPRA FY 2011 Public Outreach Budget**



### **Includes:**

**CWPPRA FY2011 Public Outreach Tools and Efforts by Target Audience**

**CWPPRA Audience Chart**

**Line Items of Budget – One per page**

**CWPPRA 2011 Public Outreach Budget Summary Sheet**

**FINAL Updates on October 4, 2010**

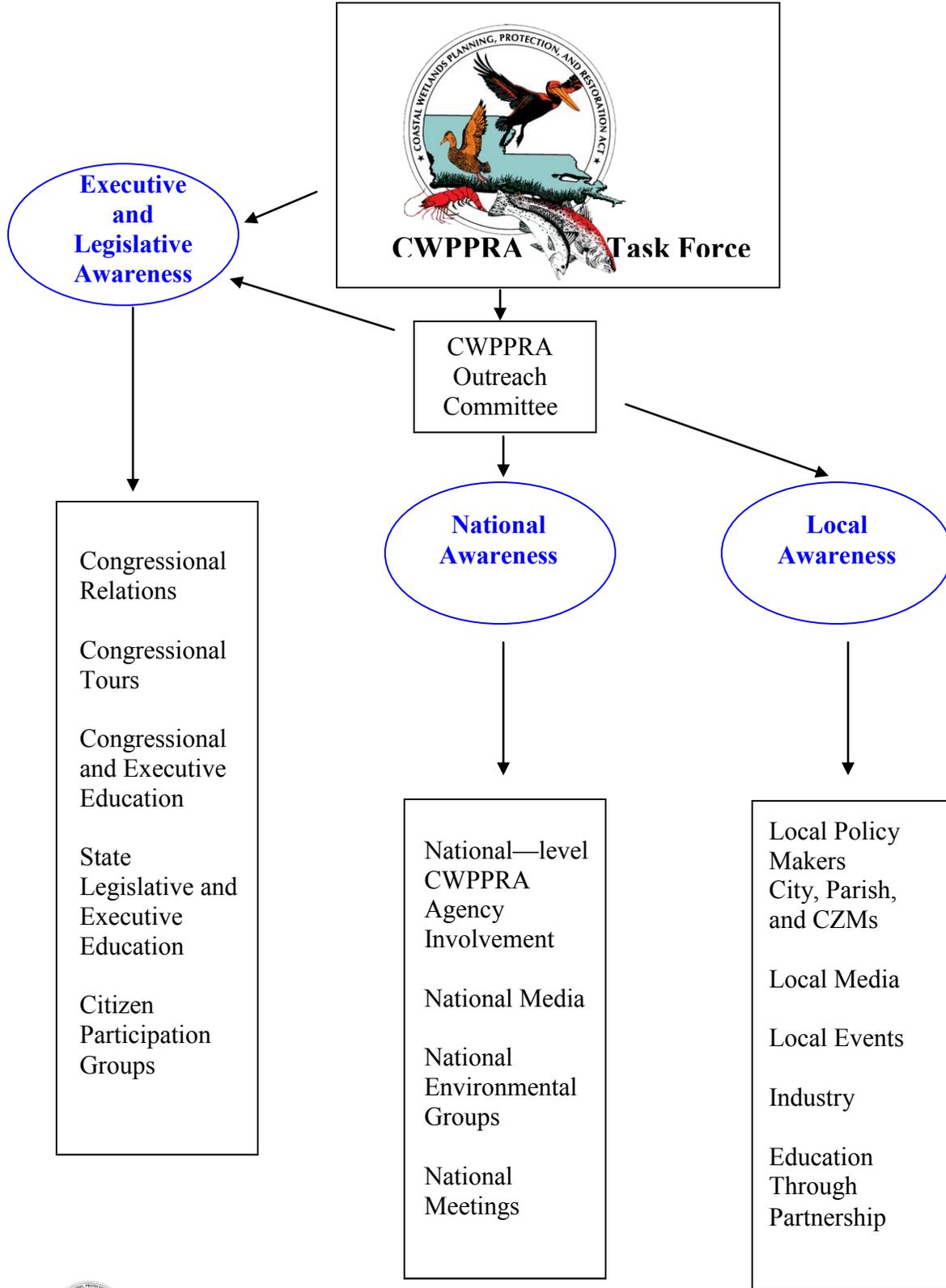


## CWPPRA FY 2011 Public Outreach Tools and Efforts by Target Audience

<b>Legislative Federal</b>	<b>Legislative State</b>	<b>In-reach to CWPPRA Agencies</b>	<b>Media</b>	<b>Educators</b>	<b>General Public, Environmental Organizations CWPPRA Staff, CZMs, and Agencies in LA</b>
LACoast.gov	LACoast.gov	LACoast.gov	LACoast.gov	LACoast.gov	LACoast.gov
New Briefing Packet	New Briefing Packet	New Briefing Packet			
New One Pager	New One Pager (modified)	New One Pager (modified)	New One Pager (modified)	New One Pager (modified)	New One Pager (modified)
In State Visits	In State Visits	In State Visits			
D.C Visit	Session Visits	Internal Education			
		Conferences	Conferences	Conferences	Conferences
			Press Releases		
Dedication	Dedication	Dedication	Dedication		Dedication
WaterMarks	WaterMarks	WaterMarks	WaterMarks	WaterMarks	WaterMarks
			BA Newsflash	BA Newsflash	BA Newsflash
		Local/state events	Local/state events	Local/state events	Local/state events

<b>Legislative Federal</b>	<b>Legislative State</b>	<b>In-reach to CWPPRA Agencies</b>	<b>Media</b>	<b>Educators</b>	<b>General Public, Environmental Organizations CWPPRA Staff, CZMs, and Agencies in LA</b>
				Targeted Trainings	
Field Experiences to Active CWPPRA Projects (as requested)	Field Experiences to Active CWPPRA Projects (as requested)	Field Experiences to Active CWPPRA Projects (as requested)	Field Experiences to Active Projects (5)		
Turning the Tide	Turning the Tide	Turning the Tide	Turning the Tide	Turning the Tide	Turning the Tide
CWPPRA Task Force Meeting Reports	CWPPRA Task Force Meeting Reports	CWPPRA Task Force Meeting Reports	CWPPRA Task Force Meeting Reports		CWPPRA Task Force Meeting Reports
Response on demand	Response on demand	Response on demand	Response on demand	Response to material requests on demand	Response on demand

# CWPPRA Audiences



**Line Item: CWPPRA Web site –www.LACoast.gov**

*CWPPRA Funding Request:*                   \$ 55,000 \* To be moved to construction budget  
  \$55,000  
  Web Application Developer / Applications Security  
  Services   GS12 FTE for 4 month. - \$45,358  
  Web Server Hardware and Software Maintenance - \$9,642

*Time Line:*                                   October 1, 2010 – September 30, 2011

**Brief Description:**

This includes cost associated with the web server hardware and software, system management, backup and recovery maintenance, and ongoing programming efforts for the www.LaCoast.gov web site. This site currently provides a continuous online presence for federal/state partners and the general public to access the latest information on CWPPRA, its projects, partners, and other pertinent information related to Louisiana's coastal wetlands conservation and restoration. This funding also includes the cost related to storing and distributing WaterMarks, fact sheets, videos, legislative links, and educational materials. It includes daily maintenance and update of text and links. The LaCoast.gov web site is an interface between the public and the program.

**Goal:**

- Create a user friendly interactive Web site on CWPPRA projects and activities

**Objectives:**

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

**Deliverables:**

- Active and updated CWPPRA Web site maintained on a daily basis
- Summary of CWPPRA Web site activities (Three times per year-at Task Force Meetings)



## **Line Item: CWPPRA Annual Dedication Ceremony**

*CWPPRA Funding Request:*                   \$ 4,000

  \$4,000 USGS

*Time Line:*                                    October 1, 2010 - September30, 2011

### **Brief Description:**

This amount includes costs associated with the planning and coordination of one CWPPRA Dedication Ceremony. It includes amounts related to the printing of invitations, posters, programs and the production of photographs that record the event.

### **Goal:**

- Annually host one CWPPRA dedication to provide a variety of audiences a chance to have a hands on experience with CWPPRA.

### **Objectives:**

- Provide the public with an opportunity to visit a CWPPRA project, meet CWPPRA project managers and scientists, and learn more about CWPPRA activities
- Provide the media with an opportunity to visit a CWPPRA project, meet CWPPRA project managers and scientists, and learn more about CWPPRA activities
- Provide legislative delegates an opportunity to visit a CWPPRA project, meet CWPPRA project managers and scientists, and learn more about CWPPRA activities
- Provide federal agency staff an opportunity to visit a CWPPRA project, meet CWPPRA project managers and scientists, and learn more about CWPPRA activities
- Provide CWPPRA agency staff an opportunity to share CWPPRA projects, meet with the public, media and legislative staff, and

### **Deliverables:**

- Digital and hard copy of invitations
- Digital and hard copy of posters related to CWPPRA projects being highlighted
- Digital and hard copy of the programs for the dedication
- Digital photographs that record the event



**Line Item: Legislative Education – Federal**

<i>CWPPRA Funding Request:</i>	<i>10,000</i>
<i>NOAA Staff Time</i>	<i>\$10,000 -NOAA</i>
<i>Travel</i>	<i>\$ 1,400 – Part of Travel Budget</i>
<i>Exhibit at Oceans Week</i>	<i>\$ 3,000 – Part of Travel Budget</i>
<i>Materials for Event and beyond</i>	<i>\$ 7,000 –NRCS Part of Printing Budget</i>
<i>Time Line:</i>	<i>October 1, 2010 – September 30, 2011</i>

**Brief Description:**

This includes preparing an organized approach to meeting and educating Louisiana’s federal legislative delegates in state prior to one visit to Washington DC during NOAA’s Ocean Week in June 2011.

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

**Goal:**

- To reach the federal legislative audience in a concentrated and targeted approach to education on land loss, the restoration and preservation of Louisiana wetlands, and CWPPRA’s role in restoration for the last 20 years
- To explain the organizational and fiscal structure of CWPPRA
- To explain the citizen involvement role in coastal restoration

**Objectives:**

- To provide contemporary delegates with current up to date information about CWPPRA and the CWPRRA program activities and projects
- To create effective CWPPRA briefing packets
- Create appropriate digital and hard copies of materials
- To deliver materials to federal legislative delegates in a face to face meeting
- Create a resource for legislative delegates

**Deliverables:**

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



## **Line Item: Legislative Education – State**

*CWPPRA Funding Request:*                    \$0 (if federal is approved)  
*CWPPRA Outreach Staff Time and Local Travel Only*  
*Time Line:*                                    October 1, 2010 - September30, 2011

### **Brief Description:**

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

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

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

This is an aggressive list however as CWPPRA requires a State match for each project representatives should be informed of the work of the CWPPRA program Materials that will be prepared for the federal legislative audience will also be used with Louisiana state delegates.

### **Goal:**

- To reach the state legislative audience in a concentrated and targeted approach to education on land loss, the restoration and preservation of Louisiana wetlands, and CWPPRA’s role in restoration for the last 20 years
- To explain the organizational and fiscal structure of CWPPRA
- To explain the citizen involvement role in coastal restoration

### **Objectives:**

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

### **Deliverables:**

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



## **Line Item: Conference Sponsorship, Conference Exhibits, Conference Attendance, Travel**

*CWPPRA Funding Request:*                   \$ 24,000  
  \$10,000 to NOAA for payment of CZ 2011 Conference  
  \$14,000 to USGS for other conferences and travel

*Time Line:*                                   October 1, 2010 - September30, 2011

### **Brief Description:**

This amount includes costs associated with sponsorship and support of at least three conferences to be identified by the CWPPRA Task Force in conjunction with the CWPPRA Public Outreach Committee. Conferences, exhibits and presentations provide excellent venues for CWPPRA public outreach efforts to reach a concentrated, target audience that is highly involved in the preservation and restoration of America's coastal lands. Sponsorship and support from CWPPRA in past conferences has led to many partnerships with entities that have helped with collaborative outreach efforts. *(In the 2009 the scheduled conferences included the Restore America's Estuaries (RAE), the Center for Natural Resource Economics and Policy (CNREP) National Conferences and the State of the Coast conference.)* This amount includes all cost associated with conference, exhibition and symposium participation. It includes the cost for registration, exhibit space, display shipping and handling, and any other fees associated with regional events.

Suggested 2011 major conferences may include:  
Ocean's Week -Washington DC (covered in legislative education), Deltas 2010, NAAEE, LSTA/NSTA, Coastal Zone 2011, LEES. *(See attached list of suggested conferences and travel)*

### **Goal:**

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

### **Objectives:**

- Provide the scientifically accurate information about CWPPRA in a conference setting
- Exhibit and present where appropriate in order to provide accurate information about CWPPRA

### **Deliverables:**

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



**Line Item: CWPPRA Product Reproduction**

*CWPPRA Funding Request:*                   \$25,000  
  \$25,000 NRCS  
*Time Line:*                                    October 1, 2010 - September30, 2011

**Brief Description:**

This includes all cost associated with production, or reproduction, of materials and products used for CWPPRA education and public outreach efforts. The amount is used to produce: Videos, CD-ROMS, Fact Sheets, Slide Shows, PowerPoint Presentations, Posters, Brochures, etc. These funds go through NRCS to a GPO contractor

**Goal:**

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

**Objectives:**

- Provide hard copies of materials to various audiences

**Deliverables:**

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

Examples of materials to be printed:

- Educational CDs
- Fact Sheets
- Additional Briefing Packets
- Additional —Portfolio of Success” documents



**Line Item: Photo and Video Acquisition**

*CWPPRA Funding Request:*                      *\$15,000- State of Louisiana OCPR*

*Time Line:*    *October 1, 2010 – September 30, 2011*

**Brief Description:**

This includes acquisition of photos and videos related to CWPPRA projects to be used in brochures, briefing packets and on the Web.

The goal of this project is the production of videos to be used to inform and educate the Louisiana's public and the legislative delegation about CWPPRA projects and restoration activities.

These video clips will be posted on the CWPPRA web site, [www.LAcoast.gov](http://www.LAcoast.gov), and on all agency partner pages, on the State website, or in possible future social marketing activities.

**Goal:**

- To provide a realistic look at coastal restoration activities preformed by CWPPRA

**Objectives:**

- Provide digital copies of photos and videos for various audiences

**Deliverables:**

- Digital and hard copy of list of photos and videos
- Digital copy of photos and/or videos



**Line Item: National Agency Education – Federal**

*CWPPRA Funding Request:                      None – Part of printing budget and travel budget*  
*Time Line:    October 1, 2010 - September30, 2011*

**Brief Description:**

This includes preparing briefing packets for agency partners to conduct in-reach as needed.

**Goal:**

- To reach internal agency audiences that are unaware of CWPPRA and the restoration and preservation of Louisiana wetlands

**Objectives:**

- Provide hard copies of materials to various audiences
- 

**Deliverables:**

- Digital and hard copy of list of visits conducted by Public Outreach Committee members
- Digital and hard copy of list of materials in briefing packets



**Line Item: CWPPRA Fact Sheets**

*CWPPRA Funding Request: Part of printing budget and CWPPRA Staff salaries*  
*Time Line: October 1, 2010 – September 30, 2011*

**Brief Description:**

This includes: the creation and update of the CWPPRA fact sheet, posting fact sheets to the Web and printing fact sheets.

**Goal:**

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

**Objectives:**

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

**Deliverables:**

- Digital and hard copy of fact sheets



## Line Item: WaterMarks

*CWPPRA Funding Request:* \$ 80,000  
\$60,000 –NRCS - Development and Printing Cost  
\$20,000- USACE -Mailing and Distribution

*Time Line:* October 1, 2010 - September30, 2011

### Brief Description:

This includes all cost associated with the current approved contract for the production of CWPPRA's —WaterMarks.” The cost includes writing, layout and design, printing and mailing. The publishing is managed by NRCS, and the amount includes all fees associated with the printing of the publication through the US Government Printing Office and the contract to Koupal Communications - currently responsible for the: planning, information gathering and research, detailed content outline, writing, editing, submission of material, graphic design services, editorial and graphics standards, and pre-flight file. All cost associated with the mail-out preparation and distribution of the WaterMarks publication is currently managed by the USACE with the database of over 7,500 addresses that receive each published newsletter by mail.

### Goal:

- Create two full color, 16-page informational magazine per year. These magazines can be used in a variety of venues and for a variety of audiences.

### Objectives:

- Provide the public with research based information about CWPPRA and CWPPRA projects.
- Provide a hard copy of information that highlights the programs successes
- Provide a tool to share information with others

### Deliverables:

- **2 issues of WaterMarks per calendar year**
- **13,500 copies or a total of 27,000 copies per year distributed to various users**  
*That works out to \$2.96 or almost \$3 per issue.*

*The WaterMarks are distributed as follows: USACE receives 8,500 directly. Of those 8,000, about 7,000 are mailed out directly by the USACE to folks on a mailing list. OCPD receives 1,000 copies. NRCS receives 1,000 copies*

*CWPPRA Outreach Staff receives 3,000 copies and they are mailed out or brought to various partners including: NOAA, USFWS, CRCL, LSU Ag Center, EPA, BTNEP, LA Sea Grant, LSU Ed. Theory Dept., UNO PIES, CCA, Audubon Zoo, USGS NWRC, LDWF, Lafourche Parish Tourist Commission.*



**Line Item: CWPPRA Student Worker**

*CWPPRA Funding Request:*                    \$21,000  
    \$21,000 USGS  
*Time Line:*                                    October 1, 2010 - September30, 2011

**Brief Description:**

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

**Goal:**

- To provide support to CWPPRA program for outreach activities

**Objectives:**

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

**Deliverables:**

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



## **Line Item: CWPPRA Public Outreach Staff**

*CWPPRA Funding Request:*                   \$ 216,000 - USGS  
*Time Line:*                                    October 1, 2010 – September 30, 2011

### **Brief Description:**

Organizes outreach activities through the CWPPRA Public Outreach Committee and CWPPRA Task Force. Position is housed at the National Wetlands Research Center (NWRC) in Lafayette, LA. Responsible for the management of all day-to-day public outreach committee efforts, and acts as the liaison between the public, parish governments, and the various Federal agencies and partners associated with CWPPRA. Provides support for creating outreach/education materials that are distributed and used by a variety of audiences. Providing guidance, expertise, and support in communicating CWPPRA strategies and progress with the public

Works to reach three target audiences: 1) executive and legislative; 2) national leaders and partners; and 3) local leaders, partners and individuals. Audiences include policy-makers, environmental managers, or opinion-leaders, coastal zone environmental managers, civic leaders, educators, state legislators, statewide and national media, our national congressional delegation, CWPPRA committees, national environmental managers, environmental scientists, and energy, navigation, agriculture and tourism leaders.

Provides support for conducting educational and information workshops for teachers and the public. Participate and present at regional and national environmental workshops. Update CWPPRA outreach materials in order to reach target audience. Develop curricula and new outreach material. Update CWPPRA on-line calendar, develop and deliver the Breaux Act Newsflash. Respond to information requests. Work with microcomputer specialist to update current website and electronic educational material. Perform duties associated with outreach coordinator and media specialist.

This includes one full time outreach coordinator, one full time outreach assistant/media specialist, and part time for support of fact sheet development and activities related to text updates and changes.

### **Deliverable:**

- Summary of CWPPRA Web site activities (Three times per year-at Task Force Meetings)
- BA Newsflash activity
- WaterMarks activities
- Requests for information
- List of media that mentions CWPPRA press releases and other publicity
- Major accomplishments, list of activities, and list of meetings
- Lists of exhibits, presentations, field trips and conferences
- Partnership activities
- Photographs of activities



**Line Item: CWPPRA Public Outreach Committee Personnel by Agency**

<i>CWPPRA Funding Request:</i>	<i>\$57,400</i>
NMFS	\$6,600
NRCS	\$6,600
EPA	\$6,600
OCPR	\$6,600
USFWS	\$3,300
USACE	\$6,600
GOCA	\$6,600
NWRC	\$14,500

*Time Line: October 1, 2010 - September30, 2011*

**Brief Description:**

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

**Deliverable:**

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



## CWPPRA 2011 Public Outreach Budget Summary

Line Item	Agency	Cost
CWPPRA Web site -www.LACoast.gov	USGS	\$0 *
CWPPRA Annual Dedicaiton Ceremony (one event)	USGS	\$4,000
National Legislative Education both locally and in Washington D.C.	NOAA	\$10,000
State Legislative Education both locally and in Baton Rouge.	Part of other budget items	\$0
Conference Sponsorship, Conference Exhibits, Conference Attendance and Travel	USGS	\$14,000
Conference Sponsorship Coastal Zone 2011	NOAA	\$10,000
CWPPRA Product Reproduction	NRCS	\$25,000
Photo and Video Acquisition	OCPR	\$15,000
National Agency Education and Inreach - Federal	Part of other budget items	\$0
CWPPRA Fact Sheets	Part of printing budget	\$0
WaterMarks Development and Printing Cost	NRCS	\$60,000
WaterMarks Mailing and Distribution	USACE	\$20,000
CWPPRA Student Worker and Mail Out Support	USGS	\$21,000
CWPPRA Public Outreach Coordinator and Staff	USGS	\$216,000
CWPPRA Federal Public Outreach Committee Members	All agencies	\$57,400
<b>TOTAL COSTS</b>		<b>\$452,400</b>

\* Moved to construction



**CWPPRA**  
**2011 Travel and Conference Budget**  
**October 1, 2010 - September 30, 2011**

<b>Event</b>	<b>Audience</b>	<b>Date(s)</b>	<b>Location</b>	<b>Type</b>	<b>Conference Cost</b>	<b>Travel</b>	<b>Total FY11 Cost</b>	<b>Other</b>
<i>What</i>	<i>Who</i>	<i>When</i>	<i>Where</i>	<i>Audience</i>	<i>Conference</i>	<i>Travel</i>	<i>Total</i>	

**National Activities**

Deltas 2010	Government Officials Scientists	October 18-20, 2010	New Orleans, LA	Participation and Report Outcome	\$0	\$600	\$600	National event in NO
Restore America's Estuaries	Various National/International Audiences	November 13-17, 2010	Galveston, TX	Education, Information to International Audience \$10,000 FY 2010	PAID	\$1,472	\$1,472	Includes sponorship of 10,000 paid in FY10
Ocean's Week Capital Hill	Legislative Education	June, 2011	Washington DC	Education and Outreach	\$3,000	\$1,400	\$4,400	Exhibit space, sponsorship and travel
Visit to LA Delegates while in DC	Legislative Education	June, 2011	Washington DC	Education and Outreach		\$600	\$600	

**CWPPRA**  
**2011 Travel and Conference Budget**  
**October 1, 2010 - September 30, 2011**

Coastal Zone 2011/NOAA	Scientists and Government Officials	July 17-21, 2011	Chicago, IL	Education and Outreach	\$10,000	\$1,600	\$11,600	Exhibit space, sponsorship and travel <b>(\$10,000 to NOAA for Exhibit)</b>
<b>State Activities</b>								
Wild Things	Public	October 23, 2010	SE Louisiana USFWS Refuge LaCombe, LA	Awareness and General Education	\$0	\$100	\$100	Local Travel Only
LSTA- Louisiana Science Teachers Assocation	Educators	November 4-6, 2010	Monroe, LA	Education and Awareness	\$200	\$1,000	\$1,200	Includes exhibit space
Louisiana Environmental Education Symposium	Educators	February 26-27, 2011	Baton Rouge, LA	Education and Outreach	\$150	\$523	\$673	Exhibit space and travel
Audubon Zoo Earth Fest	General Public	March, 2011	New Orleans, LA	Education and Outreach	\$0	\$1,200	\$1,200	Exhibit space and travel
<b>LOCAL TRAVEL</b>						\$2,000		

**CWPPRA**  
**2011 Travel and Conference Budget**  
**October 1, 2010 - September 30, 2011**

	<b>Conference Cost</b>	<b>Travel</b>	<b>Total Cost</b>
<b>Grand TOTALS</b>	<b>\$13,350</b>	<b>\$10,495</b>	<b>\$23,845</b>
		<b>Estimate</b>	<b>\$24,000</b>

## Massiello, Allison MVN-Contractor

---

**From:** Susan Bergeron [bergerons@usgs.gov]  
**Sent:** Monday, October 04, 2010 9:58 AM  
**To:** Goodman, Melanie L MVN  
**Cc:** Massiello, Allison MVN-Contractor; Scott A Wilson  
**Subject:** Re: CWPPRA FY 11 Planning Budget Revised as per Technical Committee decision to include GOCA budget  
**Attachments:** Updated 10.04.2010 CWPPRA FY 2011 FINAL Budget Document.pdf

Hi Ladies,

Attached is the updated budget with the additional \$6,600 in the Outreach Budget for GOCA. See page 14 and 15. The total outreach 2011 budget is now \$452,400.

Please let me know if you need anything else.

Warm regards,  
Susan

~\*~\*~\*~\*~\*~\*~\*

Susan Testroet- Bergeron

[BergeronS@usgs.gov](mailto:BergeronS@usgs.gov)

Education Specialist, IAP World Services CWPPRA Outreach USGS National Wetlands Research Center 700 Cajundome Blvd.

Lafayette, LA 70506

Phone: 337-266-8623

Fax: 337-266-8595

~\*~\*~\*~\*~\*~\*~\*

From:

"Goodman, Melanie L MVN" <Melanie.L.Goodman@usace.army.mil>

To:

"Susan Bergeron" <bergerons@usgs.gov>, <Crawford.Brad@epamail.epa.gov>, "Goodman, Melanie L MVN" <Melanie.L.Goodman@usace.army.mil>, "John Jurgensen" <john.jurgensen@la.usda.gov>, "Kelley Templet"

"Kelley Templet"

<Kelley.Templet@LA.GOV>, <Kevin\_Roy@fws.gov>, <rachel.sweeney@noaa.gov>,<britt.paul@la.usda.gov>, "Darryl Clark" <darryl\_clark@fws.gov>, "Holden, Thomas A MVN"

<Thomas.A.Holden@usace.army.mil>, <McCormick.Karen@epamail.epa.gov>, <kirk.rhinehart@la.gov>,<Richard.Hartman@noaa.gov>

Cc:

"Massiello, Allison MVN-Contractor" <Allison.Massiello@usace.army.mil>,<Susan.M.Hennington@usace.army.mil>, "Creel, Travis J MVN"

<Travis.J.Creel@usace.army.mil>, "Wandell, Scott F MVN"

<Scott.F.Wandell@usace.army.mil>, "Browning, Gay B MVN"

<Gay.B.Browning@usace.army.mil>

Date:

10/01/2010 04:38 PM

Subject:

CWPPRA FY 11 Planning Budget Revised as per Technical Committee decision to include GOCA budget

P&E/Technical Committee, please see attached revised FY11 Planning Budget with GOCA budget added as directed by the Technical Committee at the September 28, 2010 meeting. The GOCA budget includes \$6,600 for Outreach budget. As such, Susan needs to adjust outreach budget documents and resubmit for the Task Force meeting binders, which we plan to mail NLT Tuesday next week.

Also attached is the PPL 21 planning process revised to reinstate fall public meetings to present candidate project evaluation results as directed by the Technical Committee at the September 28, 2010 meeting. The dates for those meetings are set to be Nov 16 and 17, 2011 which is consistent with the time frame for the same PPL 20 meetings, and are included in the revised PPL 21 process doc.

Please review and advise if you see any errors ASAP.

Thanks,

Melanie Goodman  
CWPPRA Program Manager  
US Army Corps of Engineers  
New Orleans District  
Restoration Branch

Office: 504-862-1940

FAX: 504-862-1892

<http://www.lacoast.gov/cwppra/>

[http://www.mvn.usace.army.mil/pd/cwppra\\_mission.htm](http://www.mvn.usace.army.mil/pd/cwppra_mission.htm)

[attachment "Draft Final 21th PPL Process and Schedule - coastwide kr edits-TC changes 9-28-10.doc" deleted by Susan Bergeron/BRD/CONT/USGS/DOI] [attachment "FY 11 CWPPRA Planning Budget\_draft FINAL, with Technical Committee Changes 10-1-2010.xlsx" deleted by Susan Bergeron/BRD/CONT/USGS/DOI]

**Coastal Wetlands Planning, Protection, and Restoration Act**  
**Fiscal Year 2011 Planning Schedule and Budget**  
**P&E Committee Recommendation, 26 August, 2010**  
**Tech Committee Recommendation (revised from P&E recommendation), 28 September 2010**  
**Approved by Task Force, DATE 2010**

**\$540,804 = Carry Over Funds**

TASK					CWPBRA COSTS											
TASK		Duration		Dept of Defense	Department of Interior			State of Louisiana			EPA	Department of Agriculture	Department of Commerce			
Task Category	Task No.	Description	Start Date	End Date	USACE	USFWS	NWRC	USGS BR	OCPR	LDWF	GOCA	EPA	NRCS	NMFS	Other	Total
<b>PPL 20 TASKS</b>																
PL	20485	P&E holds 2 Public Meetings	11/17/10	11/18/10	10,830	4,105			4,754	4,506		2,226	5,574	2,061		34,057
PL	20490	TC Recommendation for Project Selection and Funding	12/1/10	12/1/10	2,879	6,717			1,829	2,253		2,284	4,159	3,225		23,345
PL	20600	TF Selection and Funding of the 20th PPL (1 meeting)	1/17/11	1/17/11	5,583	9,679			3,702	1,502	2,000	3,051	5,218	10,402		41,138
PL	20700	PPL 20 Report Development	2/17/11	7/29/11	47,759	2,687			1,862				383	608		53,300
PL	20800	Corps Upward Submittal of the PPL 20 Report	8/1/11	8/1/11	1,318											1,318
PL	20900	Corps Congressional Submission of the PPL 20 Report	8/31/11	8/31/11	1,148											1,148
<b>FY11 Subtotal PPL 20 Tasks</b>					<b>69,518</b>	<b>23,188</b>	<b>0</b>	<b>0</b>	<b>12,147</b>	<b>8,261</b>	<b>2,000</b>	<b>7,562</b>	<b>15,334</b>	<b>16,296</b>	<b>0</b>	<b>154,306</b>
<b>PPL 21 TASKS</b>																
<b>PL</b>	<b>21200</b>	<b>Development and Nomination of Projects</b>														
PL	21210	DNR/USGS prepares base maps of project areas, location of completed projects and projected loss by 2050. Develop a comprehensive coastal LA map showing all water resource and restoration projects (CWPPRA, state, WRDA projects, etc.) NWRC costs captured under SPE 20400.	10/12/10	1/4/11	1,038				4,067				383			5,488
PL	21220	Sponsoring agencies prepare fact sheets (for projects and demos) and maps prior to and following RPT nomination meetings.	10/12/10	2/14/11	65,118	33,584			9,652			34,297	95,340	23,749		261,740
PL	21230	RPT's meet to formulate and combine projects.	1/26/11	1/28/11	21,068	14,926			10,548	4,506		6,679	12,743	12,800		83,270
PL	21240	Face-to-Face RPT Voting meeting (20 nominees and up to 6 demos)	2/16/11	2/16/11	7,856	2,687			2,653	1,502		478	378	4,821		20,376

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TASK				CWPPRA COSTS												
TASK		Duration		Dept of Defense	Department of Interior			State of Louisiana			EPA	Department of Agriculture	Department of Commerce			
Task Category	Task No.	Description	Start Date	End Date	USACE	USFWS	NWRC	USGS BR	OCPR	LDWF	GOCA	EPA	NRCS	NMFS	Other	Total
<b>PL</b>	<b>21300</b>	<b>Ranking of Nominated Projects</b>														
PL	21320	Engr Work Group prepares preliminary fully funded cost ranges for nominees.	3/4/11	3/21/11	1,217	2,687			4,437			4,079	7,108	5,310		24,838
PL	21330	Environ/Engr Work Groups review nominees	4/1/11	4/4/11	1,376	8,359			4,212	2,253		3,153	5,882	5,310		30,545
PL	21340	WGs develop and P&E distributes project matrix	3/31/11	3/31/11	1,427	3,188			2,658			2,834	209	3,256		13,572
PL	21350	TC selection of PPL 21 candidates (10) and demo candidates (up to 3)	4/14/11	4/14/11	2,491	3,687			2,847	2,253		3,268	3,589	7,964		26,100
<b>PL</b>	<b>21400</b>	<b>Analysis of Candidates</b>														
PL	21410	Sponsoring agencies coordinate site visits for all projects	5/2/11	7/14/11	38,057	28,437			17,391	15,019		31,899	41,287	32,340		204,429
PL	21420	Engr/Environ Work Group refine project features and determine boundaries	5/2/11	9/29/11	8,902	16,792			9,321	15,019		5,179	8,052	12,800		76,065
PL	21430	Sponsoring agencies develop project information for WVA; develop designs and cost estimates (projects and demos)	5/2/11	9/29/11	39,683	42,149			37,992			39,598	61,943	56,804		278,169
PL	21440	Environ/Engr Work Groups project-wetland benefits (with WVA)	5/2/11	9/29/11	28,655	26,867			15,402	6,759		16,947	10,282	39,798		144,710
PL	21450	Engr Work Group reviews/approves Ph 1 and Ph 2 cost estimates from sponsoring agencies, incl cost estimates for demos	5/2/11	9/29/11	15,560	6,427			8,179			9,961	4,282	15,929		60,338
PL	21460	Economic Work Group reviews cost estimates, adds monitoring, O&M, etc., and develops annualized costs	5/2/11	10/14/11	17,264	1,717			1,630				7,963	5,310		33,884
PL	21480	Prepare project information packages for P&E.	5/2/11	11/9/11	8,298	7,836			2,483			1,968	189	5,310		26,085
<b>FY11 Subtotal PPL 21 Tasks</b>					<b>258,011</b>	<b>199,343</b>	<b>0</b>	<b>0</b>	<b>133,472</b>	<b>47,311</b>	<b>0</b>	<b>160,341</b>	<b>259,631</b>	<b>231,500</b>	<b>0</b>	<b>1,289,609</b>

<b>Project and Program Management Tasks</b>																
Task Category	Task No.	Description	Start Date	End Date	USACE	USFWS	NWRC	USGS BR	OCPR	LDWF	GOCA	EPA	NRCS	NMFS	Other	Total
PM	21100	Program Management--Coordination	10/1/10	9/30/11	496,487	94,781	25,747		61,964	4,506	40,000	102,386	112,749	102,000		1,040,619
PM	21110	Program Management--Correspondence	10/1/10	9/30/11	64,026	27,921	7,110		25,138	2,253		34,153	45,990	44,979		251,571
PM	21120	Prog Mgmt--Budget Development and Oversight	10/1/10	9/30/11	70,175	16,792	6,711		10,973	2,253	2,000	111,134	51,095	50,840		321,974
PM	21130	Program and Project Management--Financial Management of Non-Cash Flow Projects	10/1/10	9/30/11	66,767	10,821			17,718				19,182	24,750		139,238
PM	21200	P&E Meetings (3 meetings preparation and attendance)	10/1/10	9/30/11	23,427	9,679	2,895		5,291	4,506		9,458	13,836	15,057		84,150
PM	21210	Tech Com Mtngs (4 mtngs including three public and one off-site; prep and attend)	10/1/10	9/30/11	140,318	29,852	4,825		17,303	11,265		10,445	17,719	26,840		258,568
PM	21220	Task Force mtngs (4 mtngs, including three public and one executive session; prep and attend)	10/1/10	9/30/11	154,073	33,584	8,619		24,151	9,012	10,000	18,124	31,715	43,218		332,496

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TASK					CWPPRA COSTS											
TASK		Duration		Dept of Defense	Department of Interior			State of Louisiana			EPA	Department of Agriculture	Department of Commerce			
Task Category	Task No.	Description	Start Date	End Date	USACE	USFWS	NWRC	USGS BR	OCPR	LDWF	GOCA	EPA	NRCS	NMFS	Other	Total
PM	21300	Prepare 2012 Evaluation Report (Report to Congress)	10/1/10	9/30/11												
PM	21400	Agency Participation, Review 30% and 95% Design for Phase 1 Projects	10/1/10	9/30/11	59,982	11,941			10,347			12,757	6,172	12,800		114,000
PM	21410	Engineering & Environmental Work Groups review Phase II funding of approved Phase I projects (Needed for adequate review of Phase I.) [Assume 8 projects requesting Ph II funding in FY10. Assume 3 will require Eng or Env WG review; 2 labor days for each.]	10/1/10	9/30/11	12,761	11,941			5,956	10,512		3,937	6,769	12,800		64,676
PM	21500	Helicopter Support: Helicopter usage for the PPL process.	10/1/10	9/30/11									0			0
PM	21600	Miscellaneous Technical Support	10/1/10	9/30/11	52,953	10,075			81,406			35,000	50,107	40,000		269,541
<b>FY11 Subtotal Project Management Tasks</b>					<b>1,140,968</b>	<b>257,387</b>	<b>55,907</b>	<b>0</b>	<b>260,247</b>	<b>44,307</b>	<b>52,000</b>	<b>337,395</b>	<b>355,336</b>	<b>373,285</b>	<b>0</b>	<b>2,876,832</b>
<b>FY11 Total for PPL Tasks</b>					<b>1,468,497</b>	<b>479,918</b>	<b>55,907</b>	<b>0</b>	<b>405,866</b>	<b>99,879</b>	<b>54,000</b>	<b>505,297</b>	<b>630,302</b>	<b>621,081</b>	<b>0</b>	<b>4,320,746</b>
<b>SUPPLEMENTAL PLANNING AND EVALUATION TASKS</b>																
SPE	21100	Academic Advisory Group [NOTE: New MOA between USGS and LUMCON] [Prospectus, pg 1-3]	10/1/10	9/30/11											112,200	112,200
SPE	21200	Maintenance of web-based project reports and website project fact sheets. [NWRC Prospectus, pg 4] [Corps Prospectus, pg 5] [LDNR Prospectus, pg 6]	10/1/10	9/30/11												0
SPE	21400	Core GIS Support for CWPPRA Task Force Planning Activities. [NWRC Prospectus, pg 7] [LDNR Prospectus, pg 8]	10/1/10	9/30/11			156,372		10,955							167,327
SPE	21700	Workshop to review selected recently constructed projects to aid in transferring lessons learned from design to implementation stage. [NMFS Prospectus, pg 9-10]	10/1/09	9/30/10												0
<b>FY11 Total Supplemental Planning &amp; Evaluation Tasks</b>					<b>0</b>	<b>0</b>	<b>156,372</b>	<b>0</b>	<b>10,955</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>112,200</b>	<b>279,527</b>
<b>FY11 Agency Tasks Grand Total</b>					<b>1,468,497</b>	<b>479,918</b>	<b>212,279</b>	<b>0</b>	<b>416,821</b>	<b>99,879</b>	<b>54,000</b>	<b>505,297</b>	<b>630,302</b>	<b>621,081</b>	<b>112,200</b>	<b>4,600,273</b>
Olrch	21100	Outreach - Committee Funding	10/1/10	9/30/11											395,000	395,000
Olrch	21200	Outreach - Agency	10/1/10	9/30/11	6,600	3,300	14,500		6,600		6,600	6,600	6,600	6,600		57,400
<b>FY11 Total Outreach</b>					<b>6,600</b>	<b>3,300</b>	<b>14,500</b>	<b>0</b>	<b>6,600</b>	<b>0</b>	<b>6,600</b>	<b>6,600</b>	<b>6,600</b>	<b>6,600</b>	<b>395,000</b>	<b>452,400</b>
<b>Grand Total FY11</b>					<b>1,475,097</b>	<b>483,218</b>	<b>226,779</b>	<b>0</b>	<b>423,421</b>	<b>99,879</b>	<b>60,600</b>	<b>511,897</b>	<b>636,902</b>	<b>627,681</b>	<b>507,200</b>	<b>5,052,673</b>

**Coastal Wetlands Planning, Protection and Restoration Act  
Fiscal Year 2011 Budget Summary**

P&E Committee Recommendation, 26 August 2010

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Task Force Approval, DATE 2010

	FY2008 Amount (\$)	FY2009 Amount (\$)	FY2010 Amount (\$)	FY2011 Amount (\$)
<b><u>General Planning &amp; Program Participation [Supplemental Tasks Not Included]</u></b>				
State of Louisiana				
OCPR (formerly DNR)	412,736	412,736	406,866	405,866
LDWF	96,879	96,879	96,879	99,879
Gov's Ofc	0	94,800	94,800	54,000
Total State	<u>509,615</u>	<u>604,415</u>	<u>598,545</u>	<u>559,745</u>
EPA	487,549	496,519	505,297	505,297
Dept of the Interior				
USFWS	488,196	488,196	496,918	479,918
NWRC	63,656	63,656	63,656	55,907
USGS Reston				
USGS Baton Rouge				
USGS Woods Hole				
Nat'l Park Service				
Total Interior	<u>551,852</u>	<u>551,852</u>	<u>560,574</u>	<u>535,825</u>
Dept of Agriculture	597,504	609,650	630,302	630,302
Dept of Commerce	604,981	602,425	621,080	621,081
Dept of the Army	1,305,578	1,455,344	1,471,688	1,468,497
<b>Agencies Total</b>	<b><u>\$4,057,079</u></b>	<b><u>\$4,320,205</u></b>	<b><u>\$4,387,486</u></b>	<b><u>\$4,320,746</u></b>
<b><u>Feasibility Studies Funding</u></b>				
Barrier Shoreline Study				
WAVCIS (DNR)				
Study of Chenier Plain				
Miss R Diversion Study				
<b>Total Feasibility Studies</b>				
<b><u>Complex Studies Funding</u></b>				
Beneficial Use Sed Trap Below Venice (COE)				
Barataria Barrier Shoreline (NMFS)				
Diversion into Maurepas Swamp (EPA/COE)				
Holly Beach Segmented Breakwaters (DNR)				
Central & Eastern Terrebonne Basin (USFWS)				
Delta Building Diversion Below Empire (COE)				
<b>Total Complex Studies</b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>

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<b>Outreach</b>				
Outreach	464,470	516,310	487,148	452,400
<b>Supplemental Tasks</b>				
Academic Advisory Group	103,400	112,200	133,650	112,200
Database & Web Page Link Maintenance	63,806	64,026	64,153	0
Linkage of CWPPRA & LCA				
Core GIS Support for Planning Activities	307,249	307,249	307,249	167,327
Oyster Lease GIS Database-Maint & Anal				
Oyster Lease Program Mgmt & Impl				
Joint Training of Work Groups				
Terrebonne Basin Recording Stations				
Land Loss Maps (COE)				
Storm Recovery Procedures (2 events)				
Landsat Satellite Imagery				
Digital Soil Survey (NRCS/NWRC)				
GIS Satellite Imagery				
Aerial Photography & CD Production				
Adaptive Management				
Development of Oyster Reloc Plan				
Dist & Maintain Desktop GIS System				
Eng/Env WG rev Ph 2 of apprv Ph 1 Prjs				
Evaluate & Assess Veg Plntgs Coastwide				
Monitoring - NOAA/CCAP <sup>23</sup>				
High Resolution Aerial Photography (NWRC)				
Coast-Wide Aerial Vegetation Svy				
Repro of Land Loss Causes Map				
Model flows Atch River Modeling				
MR-GO Evluation				
Monitoring -				
Academic Panel Evaluation				
Brown Marsh SE Flight (NWRC)				
Brown Marsh SW Flight (NWRC)				
COAST 2050 (DNR)				
Purchase 1700 Frames 1998				
Photography (NWRC)				
CDROM Development (NWRC)				
DNR Video Repro				
Gov's Office Workshop				
GIWW Data collection				
Evaluation Report to Congress				
GIWW Distributary Report (FY09)				
Workshop Construction Projects				
<b>Total Supplemental</b>	<b>\$474,455</b>	<b>\$483,475</b>	<b>\$505,052</b>	<b>\$279,527</b>
<b>Total Allocated</b>	<b>\$4,996,004</b>	<b>\$5,319,990</b>	<b>\$5,379,686</b>	<b>\$5,052,673</b>
Unallocated Balance				
Total Unallocated	\$0			

/Planning\_2009/

FY 11 CWPPRA Planning Budget TC.xlsx

FY\_summary

## Coastal Wetlands Planning, Protection and Restoration Act Fiscal Year 2011 Budget Summary

P&E Committee Recommendation, 26 August 2010

Tech Committee Recommendation (revised from P&E recommendation), 28 September 2010

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FY2008 Amount (\$)	FY2009 Amount (\$)	FY2010 Amount (\$)	FY2011 Amount (\$)
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Footnotes:

- <sup>1</sup> amended 28 Feb 96
- <sup>2</sup> \$700 added for printing, 15 Mar 96 (TC)
- <sup>3</sup> transfer \$600k from '97 to '98
- <sup>4</sup> transfer \$204k from MRSNFR TO Barrier Shoreline Study
- <sup>5</sup> increase of \$15.1k approved on 24 Apr 97
- <sup>6</sup> increase of \$35k approved on 24 Apr 97
- <sup>7</sup> increase of \$40k approved on 26 Jul 97 from Corps Planning Funds
- <sup>8</sup> Original \$550 in Barrier Shoreline Included \$200k to complete Phase 1 EIS, and \$350k to develop Phase 2 feasibility scope.
- <sup>9</sup> Assumes a total of \$420,000 is removed from the Barrier Shoreline Study over 2 years from Phase 1 EIS
- <sup>10</sup> Excludes \$20k COE, \$5k NRCS, \$5k DNR, \$2kUSFWS, and \$16k NMFS moved to Coast 2050 during FY 97 for contracts & @\$255k absorbed in agency FY 97 budgets for a total of \$303,000. to COAST2050 during FY 97 for contracts & @\$255k absorbed in agency FY 97 budgets for a total of \$303,000.
- <sup>11</sup> Additional \$55,343 approved by Task Force for video documentary.
- <sup>12</sup> \$29,765 transferred from DNR Coast 2050 to NWRC Coast 2050 for evaluation of Report.
- <sup>13</sup> \$100,000 approved for WAVCIS at 4 Aug 99 Task Force meeting. Part of Barrier Shoreline Study.
- <sup>14</sup> Task Force approved 4 Aug 99.
- <sup>15</sup> Task Force approved additional \$50,000 at 4 Aug 99
- <sup>16</sup> Carryover funds from previous FY's; this number is being researched at present.
- <sup>17</sup> \$600,000 given up by MRSNFR for FY 2000 budget.
- <sup>18</sup> Total cost is \$228,970.
- <sup>19</sup> Task Force approved FY 2000 Planning Budget 7 Oct 99 as follows:
  - (a) General Planning estimates for agencies approved.
  - (b) 75% of Outreach budget approved; Agency outreach funds removed from agency General Planning funds; Outreach Committee given oversight of agency outreach funds.
  - (b) 50% of complex project estimates approved.
- <sup>20</sup> Outreach: original approved budget was \$375,000; revised budget \$415,000.
  - (a) 15 Mar 2000, Technical Committee approved \$8,000 increase Watermarks printing.
  - (b) 6 Jul 2000, Task Force approved up to \$32,000 for Sidney Coffee's task of implementing national outreach effort.
- <sup>21</sup> 5 Apr 2000, Task Force approved additional \$67,183 for preparation of report to Congress. \$32,000 of this total given to NWRC for preparation of report.
- <sup>22</sup> 6 Jul 00: Monitoring - Task Force approved \$30,000 for Greg Steyer's academic panel evaluation of monitoring program.
- <sup>23</sup> Definition: Monitoring (NWRC) - NOAA/CCAP (Coastwide Landcover [Habitat] Monitoring Program
- <sup>24</sup> 29 Aug 00: Task Force fax vote approves \$29,500 for NWRC for brown marsh southeastern flight
- <sup>25</sup> 1 Sep 00: Task Force fax vote approves \$46,000 for NWRC for brown marsh southwestern flight
- <sup>26</sup> 10 Jan 2001: Task Force approves additional \$113,000 for FY01.
- <sup>27</sup> 30 May 01: Tech Comm approves 86,250 for Coast-Wide Aerial Vegetation Survey for LDNR; T.F. fax vote approves
- <sup>28</sup> 7 Aug 2001: Task Force approves additional \$63,000 in Outreach budget for Barataria Terrebonne National Estuary Foundation Superbowl campaign proposal.
- <sup>29</sup> 16 Jan 2002, Task Force approves \$85,000 for each Federal agency (except COE) for participation in LCA/Coast 2050 studies and collocation. Previous budget was \$45,795, revised budget is \$351,200, an increase of \$305,405. This task is a supplemental activity in each agency's General Planning budget.
- <sup>30</sup> 2 Apr 02: LADNR requested \$64,000 be transferred from its General Planning budget to LUMCON for Academic Assistance on the Adaptive Management supplemental task.
- <sup>31</sup> 1 May 02: LADNR requested \$1,500 be transferred from their General Planning (activity ER 12010, Prepare Report to Congress) and given to NWRC for creation of a web-ready version of the CWPPRA year 2000 Report to Congress for printing process.
- <sup>32</sup> 16 Jan 2003: Task Force approves LDWF estimate that was not included in originally approved budget.
- <sup>33</sup> 4 May 2005: Task Force approves additional \$164,024 funding under General Planning for Programmatic Assessment and Vision task; +\$48,840 (COE); +\$86,938 (NWRC); +\$21,670 (NRCS); +\$6,576 (NMFS)
- <sup>33a</sup> 24 Aug 2006: Scott Wilson requests reduction of \$37,000 from the \$86,938 for the Programmatic Assessment; \$45,000 was given for printing but only \$8,000 used.
- <sup>34</sup> 25 Jan 2006: FY2006 budget, \$98,250 for Report to Congress item added to approved budget
- <sup>35</sup> 28 July 2005: Scott Wilson e-mail requests reduction of \$43,113.99 from current \$275,000 FY98 budget.

Coastal Wetlands Planning, Protection and Restoration Act  
Fiscal Year 2011 Budget Refinement

Activity	P & E Initial Budget ?/??/2010 Amount (\$) (1)	P & E Approves / Recommends to Tech ?/??/2010 Amount (\$) (2a)	Tech Comm Approves / Recommends to Task Force ?/??/2010 Amount (\$) (3)	Task Force Approves ?/??/2010 Amount (\$) (4)	Task Force Approves \$21,450 Increase ?/??/2011 Amount (\$) (3)	Task Force Approves Amount (\$) (4)
<b>General Planning &amp; Program Participation</b> (does not include Supplemental Activities)						
State of Louisiana						
DNR						
Gov's Ofc						
LDWF						
Total State	_____	_____	_____	_____	_____	_____
EPA						
Dept of the Interior						
USFWS						
NWRC						
USGS Reston						
USGS-B.R.						
USGS-Woods Hole						
NPS						
Total Interior	_____	_____	_____	_____	_____	_____
Dept of Agriculture						
Dept of Commerce						
Dept of the Army						
<b>Agency Total</b>	_____	_____	_____	_____	_____	_____
<b>Complex Studies Funding</b>						
Beneficial Use Sed Trap Below Venice (COE)						
Barataria Barrier Shoreline (NMFS)						
Diversion into Maurepas Swamp (EPA/COE)						
Holly Beach Segmented Breakwaters (DNR)						
Central & Eastern Terrebonne Basin (USFWS)						
Delta Building Diversion Below Empire (COE)						
<b>Total Complex Studies</b>	_____	_____	_____	_____	_____	_____
<b>Supplemental Tasks</b>						
Academic Advisory Group						
Maint of Web-Based Project Reports						
Linkage of CWPPRA and LCA						
Core GIS Support for Planning Activities						
GIWW Distributary Report (FY09)						
Report to Congress						
Oyster Lease Database Maint & Analysis						
Oyster Lease Program Mgmt & Impl						
Joint Training						
Update Landloss Maps						
Storm Recovery Procedures (2 events)						
Land-Water Chg Assessment after 2005						
Workshop Construction Projects						
<b>Subtotal Supplemental</b>	_____	_____	_____	_____	_____	_____

Coastal Wetlands Planning, Protection and Restoration Act  
Fiscal Year 2011 Budget Refinement

Activity	P & E Initial Budget ?/??/2010 Amount (\$)	P & E Approves / Recommends to Tech ?/??/2010 Amount (\$)	Tech Comm Approves / Recommends to Task Force ?/??/2010 Amount (\$)	Task Force Approves ?/??/2010 Amount (\$)	Task Force Approves \$21,450 Increase ?/??/2011 Amount (\$)	Task Force Approves Amount (\$)
	(1)	(2a)	(3)	(4)	(3)	(4)

**Outreach**

- Outreach Committee
- Agency Participation: USACE
- Agency Participation: USFWS
- Agency Participation: NWRRC
- Agency Participation: DNR
- Agency Participation: Ofc of Gov
- Agency Participation: EPA
- Agency Participation: NRCS
- Agency Participation: NMFS
- Agency Administration: NWRRC
- Outreach Coordinator
- Watermarks Development & Printing (NRCS)
- Watermarks Distribution (COE)
- LaCoast Internet Home Page
- Outreach Assistant/Interpretive Specialist
- Dedications Support (no helicopters)
- Video & Photo Acquisition (Ofc of Gov)
- Conference - RAE and CNREP (NMFS)
- Regional Conference/Exhibit Support
- Travel - Regional
- CWPPRA 'Product Reproduction
- Support for Outreach Distribution
- Subtotal - Outreach**

**Total Allocated**

Unallocated Balance  
Total Unallocated  
(Carry Over = \$ )

**Notes:**

**P&E Committee Changes:**

Tasks recommended to be moved from the Planning Budget to the Construction Program with USGS as the federal sponsor and modeled similar to the Storm Recovery Assessment Fund and Monitoring Contingency Fund.			
SPE 21200	Maintenance of web-based project reports and website project fact sheets. [NWRC Prospectus, pg 4] [Corps Prospectus, pg 5] [LDNR Prospectus, pg 6]		
		USACE NWRC OCPR	\$4,345 \$41,710 \$14,680
<b>Total</b>			<b>\$60,735</b>
SPE 21400	Core GIS Support for CWPPRA Task Force Planning Activities. [NWRC Prospectus, pg 7]		
	#8 Fact Sheet Maps for newly selected Projects	NWRC	\$4,980
	#13 Updated Fact Sheet Maps for In Phase	NWRC	\$9,960
	#14 Updated WVA for In Phase Projects	NWRC	\$29,880
	# 15 Misc requests from CWPPRA Agencies	NWRC	\$29,880
<b>Total</b>			<b>\$74,700</b>
Otrch 21100	Outreach - Committee Funding		
	CWPPRA Web site -www.LACoast.gov	NWRC	\$55,000
USGS to be the federal sponsor, modeled after the storm		<b>Total to be moved to the</b>	<b>\$190,435</b>

**Recommended to be Removed from the Planning Budget:**

SPE	Core GIS Support for CWPPRA Task Force Planning Activities. [NWRC Prospectus, pg 7]		
	#1 Pre RPT meeting mapping support to agencies	NWRC	<b>-\$9,960</b>
GOCA FY 11	The P&E recommends the following: - GOCA can carry the FY09 funds until March 31, 2011, in order to demonstrate the need for those funds and the need for future additional funds to be allocated. Should the FY09 funds not be utilized by that time, those funds will be deobligated and returned to CWPPRA' - FY10 funds will not be obligated as no MOA has yet to be signed.' - No FY11 Planning budget funds will be allocated to GOCA. Technical Committee voted at Sept 28, 2010 meeting to include these funds'	GOCA	<b>-\$54,500</b>

**Recommended to be Added to the Planning Budget:**

Otrch	Outreach - Committee Funding		
	Photo and Video Acquisition (Previous amt \$5K)	OCPR	<b>\$10,000</b>

**General Post P&E Changes:**

	Pre	Post	Change
NMFS FY 11 Budget	\$636,324	\$627,681	\$8,643
USFWS FY11 Budget	\$492,718	\$483,218	\$9,500
USACE FY 11 Budget	\$1,478,288	\$1,475,097	\$3,191

**General P&E Comments:**

SPE	Core GIS Support for CWPPRA Task Force Planning Activities. [NWRC Prospectus, pg 7]  #11 Land/Water dataset creation - \$29,880	NWRC indicated that all FY 10 funds weren't used. NWRC will leave estimate in FY11 budget and will review last year expenditures. The P&E recommends that if another program is using the data, NWRC should request funds from the other program to supplement or cover the cost. P&E will revisit the task next year.
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## Massiello, Allison MVN-Contractor

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**From:** Goodman, Melanie L MVN  
**Sent:** Friday, October 01, 2010 4:38 PM  
**To:** 'Susan Bergeron'; Crawford.Brad@epamail.epa.gov; Goodman, Melanie L MVN; John Jurgensen; Kelley Templet; Kevin\_Roy@fws.gov; rachel.sweeney@noaa.gov; britt.paul@la.usda.gov; Darryl Clark; Holden, Thomas A MVN; Karen McCormick (McCormick.Karen@epamail.epa.gov); kirk.rhinehart@la.gov; Richard.Hartman@noaa.gov  
**Cc:** Massiello, Allison MVN-Contractor; Hennington, Susan M MVN; Creel, Travis J MVN; Wandell, Scott F MVN; Browning, Gay B MVN  
**Subject:** CWPPRA FY 11 Planning Budget Revised as per Technical Committee decision to include GOCA budget  
**Attachments:** Draft Final 21th PPL Process and Schedule - coastwide kr edits-TC changes 9-28-10.doc; FY 11 CWPPRA Planning Budget\_draft FINAL, with Technical Committee Changes 10-1-2010.xlsx

P&E/Technical Committee, please see attached revised FY11 Planning Budget with GOCA budget added as directed by the Technical Committee at the September 28, 2010 meeting. The GOCA budget includes \$6,600 for Outreach budget. As such, Susan needs to adjust outreach budget documents and resubmit for the Task Force meeting binders, which we plan to mail NLT Tuesday next week.

Also attached is the PPL 21 planning process revised to reinstate fall public meetings to present candidate project evaluation results as directed by the Technical Committee at the September 28, 2010 meeting. The dates for those meetings are set to be Nov 16 and 17, 2011 which is consistent with the time frame for the same PPL 20 meetings, and are included in the revised PPL 21 process doc.

Please review and advise if you see any errors ASAP.

Thanks,

Melanie Goodman  
CWPPRA Program Manager  
US Army Corps of Engineers  
New Orleans District  
Restoration Branch

Office: 504-862-1940  
FAX: 504-862-1892

<http://www.lacoast.gov/cwppra/>  
[http://www.mvn.usace.army.mil/pd/cwppra\\_mission.htm](http://www.mvn.usace.army.mil/pd/cwppra_mission.htm)

## Massiello, Allison MVN-Contractor

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**From:** Goodman, Melanie L MVN  
**Sent:** Thursday, September 16, 2010 9:58 AM  
**To:** Massiello, Allison MVN-Contractor; 'Rachel.Sweeney@noaa.gov'; 'Kevin\_Roy@fws.gov'; 'Jurgensen, John - Alexandria, LA'; 'Crawford.Brad@epamail.epa.gov'; 'Kelley Templet'; Hennington, Susan M MVN; Creel, Travis J MVN; Browning, Gay B MVN; Wandell, Scott F MVN; 'Scott Wilson'; 'Dr. Jenneke M. Visser'; 'Finley, Heather'; ' (bergerons@usgs.gov)'; ' (Cecelia.Linder@noaa.gov)'; 'Cynthia.duet@gov.state.la.us'; 'Michelle Fischer (michelle\_fischer@usgs.gov)'; 'Craig Conzelmann'; 'aashipp@usgs.gov'  
**Subject:** RE: CWPPRA FY 11 Planning Budget, Final P&E Recommendation  
**Attachments:** FY 11 CWPPRA Planning Budget\_FINAL Recommendation to Technical Committee 9-15-2010.xlsx; FY 11 CWPPRA Planning Budget\_5-Compiled\_FINAL Recommendation to Technical Committee 9-15-2010.pdf

All, please see the attached FY 11 planning budget (in both EXCEL and PDF formats) being submitted to the Technical Committee. I have no record of receiving any comments to final draft budget that Travis Sent below. During the Technical Committee meeting, I will note that we would like to add additional funds for 2012 Report to congress but that based on P&E and Monitoring Workgroup discussions, we are seeking Technical Committee and Task Force guidance on how to focus the report before we can provide an estimate.

Thanks,

Melanie

-----Original Message-----

**From:** Creel, Travis J MVN  
**Sent:** Thursday, August 26, 2010 6:09 PM  
**To:** Goodman, Melanie L MVN; 'Rachel Sweeney'; 'Kelley Templet'; 'Kevin\_Roy@fws.gov'; 'John Jurgensen'; 'Jenneke Visser (jvisser@louisiana.edu)'; 'Scott Wilson'; ' (bergerons@usgs.gov)'; 'Michelle Fischer (michelle\_fischer@usgs.gov)'; 'Craig Conzelmann'; 'Janine Powell'; 'Crawford.Brad@epamail.epa.gov'; 'John Jurgensen'; Hennington, Susan M MVN; Browning, Gay B MVN  
**Cc:** Wingate, Mark R MVN; 'Chris.Allen@LA.GOV'; 'Cynthia.duet@gov.state.la.us'; 'Kaspar.Paul@epamail.epa.gov'; 'Cece Linder'; 'Angela\_Trahan@fws.gov'  
**Subject:** RE: DRAFT FY 11 Planning Budget  
**Importance:** High

P&E Members,

Attached is the updated budget with the recommended changes from the conference call.

Below are highlights of recommendations to the Technical Committee (Details are on Page 4 and 5 of the excel sheet):

- \* The P&E recommends that the funding of the maintenance of web-based project reports and website project fact sheets be moved to the construction program in the future.
- \* The P&E recommends that fund of specific NWRC items (#'s 8,13,14,& 15) for the "Core GIS Support for CWPPRA Task Force Planning Activities" task be moved to the construction program in the future
- \* The P&E recommends that the funding of the CWPPRA Web site under the "Outreach Committee" be moved to the construction program in the future.
- \* The Grand total for these task would be \$186,090, and USGS would be the federal sponsor for these task.

\* The P&E recommends that the "Pre RPT meeting mapping support to agencies" item under the "Core GIS Support for CWPPRA Task Force Planning Activities" be removed from the Planning Budget.

\* The P&E recommends the following for the GOCA Budget:

\* GOCA can carry the FY09 funds until March 31, 2011, in order to demonstrate the need for those funds and the need for future additional funds to be allocated. Should the FY09 funds not be utilized by that time, those funds will be deobligated and returned to CWPPRA.

\* FY10 funds will not be obligated as no MOA has yet to be signed.

\* No FY11 Planning budget funds will be allocated to GOCA.

\* The P&E recommends that an additional \$10,000 be added to the Outreach - Committee Funding for "Photo and Video Acquisition"

Grand Total FY11: \$4,992,073

Task:

\* NWRC/STATE- Coordinate request for funds under the construction program. (Next TC meeting)

\* NWRC- Update NWRC Prospectus, pg 7 with changes

\* Outreach Committee- Update Draft Budget with changes

\* USACE- Add additional agenda item to recommend changing the SOP to make the planning budget approval during the spring/fall meetings.

Please let me know if I forgot anything.

Thanks

Travis Creel  
Project Management  
USACE New Orleans  
Office (504) 862 1071  
Cell (314)775 9481

-----Original Message-----

From: Goodman, Melanie L MVN

Sent: Friday, August 20, 2010 12:02 PM

To: Goodman, Melanie L MVN; 'Rachel Sweeney'; 'Kelley Templet'; 'Kevin\_Roy@fws.gov'; 'John Jurgensen'; 'Jenneke Visser (jvisser@louisiana.edu)'; 'Scott Wilson'; 'bergerons@usgs.gov'; 'Michelle Fischer (michelle\_fischer@usgs.gov)'; 'Craig Conzelmann'; 'Janine Powell'; 'Crawford.Brad@epamail.epa.gov'; 'John Jurgensen'; Creel, Travis J MVN;

Hennington, Susan M MVN; Browning, Gay B MVN

Cc: Wingate, Mark R MVN; 'Chris.Allen@LA.GOV'; 'Cynthia.duet@gov.state.la.us'; 'Kaspar.Paul@epamail.epa.gov'; 'Cece Linder'; 'Angela\_Trahan@fws.gov'

Subject: RE: DRAFT FY 11 Planning Budget

P&E, we are changing the face-to-face meeting to a phone conference/webinar to conserve everyone's time and budgets and because some may not be able to travel as planned. The dial in and web access information is below. We will pull up the consolidated budget sheet and any other information we will need to edit for everyone to see.

Please send me an email to confirm that you understand this change in plan. Also, if anyone has additional information that needs to be submitted during the meeting, please email it to me.

Thanks,

Melanie

DATE and TIME:

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\* Start Date/Time: Aug 24 2010 09:30 AM CDT, Tue  
\* End Date/Time: Aug 24 2010 01:00 PM CDT, Tue  
\* Duration: 3 hr 30 mins  
\* Total Ports: 10

AUDIO CONFERENCE ACCESS INFORMATION:

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\* USA Toll-Free: (888)830-6260  
\* PARTICIPANT CODE: 761027

WEB MEETING ACCESS INFORMATION:

-----  
\* Web Meeting Address: <https://www.webmeeting.att.com>  
\* Meeting Number(s): (888)830-6260  
\* PARTICIPANT CODE: 761027

HOST and ARRANGER INFORMATION:

-----  
\* Conference Host: MELANIE GOODMAN MVN-PMW  
\* Host Phone Number: (504)862-2075

\* Conference Arranger: YOLANDA J MCCRARY

FEATURES SECURED:

-----  
\* Web Meeting  
\* Host Dial Out  
\* Operator Dial Out

CONFERENCE INFORMATION:

-----  
\* Conference ID: ZMG5142  
\* Conference Name: FY11 PLANNING BUDGET

-----Original Message-----

From: Goodman, Melanie L MVN  
Sent: Tuesday, August 17, 2010 3:05 PM  
To: 'Rachel Sweeney'; 'Kelley Templet'; 'Kevin\_Roy@fws.gov'; 'John Jurgensen'; 'Jenneke Visser (jvisser@louisiana.edu)'; 'Scott Wilson'; '(bergerons@usgs.gov)'; 'Michelle Fischer (michelle\_fischer@usgs.gov)'; 'Craig Conzelmann'; 'Janine Powell'; 'Crawford.Brad@epamail.epa.gov'; 'John Jurgensen'; Creel, Travis J MVN; Goodman, Melanie L MVN; Hennington, Susan M MVN; Browning, Gay B MVN  
Cc: Wingate, Mark R MVN; 'Chris.Allen@LA.GOV'; 'Cynthia.duet@gov.state.la.us'; 'Kaspar.Paul@epamail.epa.gov'; 'Cece Linder'; 'Angela\_Trahan@fws.gov'  
Subject: FW: DRAFT FY 11 Planning Budget-Susie Inserts of 6 Aug 10  
Importance: High

P&E, please be reminded that we have a face-to-face meeting to defend agency budgets next Tuesday, August 24, 2010 at 9:30 am at the State Library Capital View Room in Baton Rouge. Attached includes consolidated agency budgets and Supplemental Tasks for your review. Please note the following:

1. I don't have a record of receiving planning budget spreadsheets from NWRC, USGS, EPA and NRCS so we used the FY10 approved budgets except NWRC we used the attached adjusted prospectus for SPE20400 for Core GIS support for USGS PPL support. These agencies should review their budgets in the attached closely and be prepared to make any proposed changes to these numbers at the meeting.
2. We left the two fall PPL 20 public meetings (PL20485) in the FY11 budget since we have been announcing all year that we will hold these meetings and they are in the PPL 20 Process. Our intent is to remove these meetings from the FY12 budget, we can discuss this further at the face-to-face if anyone disagrees with this move. We plugged in last year's costs, which we can edit at the meeting next week.
3. We also eliminated SPE 20200 - Maintenance of Web-based support activities, at total of \$64,000 (USACE \$4,435; NWRC \$45,200; CPRA \$14,608), which will be moved to the construction program. We need to discuss this in more detail to insure we have this arranged so as not to impact progress. I attached OCPR prospectus just for reference.
4. Eliminated SPE 20700 - Lesson's learned
5. Removed Helicopter Flight (\$17,000)
6. We did not get a prospectus for SPE 21100 for AAG budget, so we reduced last year's final AAG budget by \$21,450 for CRMS evaluation.
7. Input Outreach Program budget based on the attached draft proposal.

Also attached is the final PPL 10 budget and prospectuses, notes on proposed budget cuts that were provided in the Task Force binders, status of unused agency planning funds, notes from various meetings. I will try to send notes from the meeting with USGS tomorrow COB.

Thanks

Melanie Goodman  
CWPPRA Program Manager  
US Army Corps of Engineers  
New Orleans District  
Restoration Branch

Office: 504-862-1940  
FAX: 504-862-1892

<http://www.lacoast.gov/cwppra/>  
[http://www.mvn.usace.army.mil/pd/cwppra\\_mission.htm](http://www.mvn.usace.army.mil/pd/cwppra_mission.htm)

## SCOPE OF SERVICES

### **University scientists assistance to the Louisiana Coastal Conservation and Restoration Task Force (PPL21) Louisiana Universities Marine Consortium, Cocodrie, Louisiana**

#### **1. Project Management**

The Project Manager for this project is Dr. Jenneke M. Visser, who will be subcontracted through Louisiana State University. The Project Manager's duties have been divided over the following subtasks:

##### **1a. Day-to-day operation**

The Project Manager will facilitate execution of the main contract; draft subcontracts to Louisiana universities for implementation by LUMCON Grants and Contracts personnel; approve all spending, including subcontract invoices; and act as a single point of contact for the Task Force, the Scientific Steering Committee, subcontractors, and the broader academic community.

##### **1b. Participation in Task Force activities**

The Project Manager will attend all Task Force, Technical Committee, and Planning and Evaluation Subcommittee meetings.

##### **1c. Solicitation of Interest**

If necessary due to resignation of existing AAG group members, a solicitation will be developed by the Project Manager and approved by the CWPPRA Academic Assistance Subcommittee. It will describe the types of activities in which university scientist participation is expected (e.g. Regional Planning Teams or Environmental Workgroup). The solicitation will describe the selection process, including the minimum selection criteria for each task, and contracting arrangement. To ensure that those from the university community involved in the CWPPRA process are active wetland scientists aware of contemporary research in their field, the Scientific Steering Committee has developed the following selection criteria. Selected scientists should have a Ph.D. or MSc. and five years of research experience in wetlands/river/coastal-related issues and at least one of the following:

- at least two peer-reviewed publications on wetlands/river/coastal-related issues within the last five years
- at least four presentations at national or international meetings on wetlands/river/coastal-related issues within the last five years
- current grants and/or contracts to conduct research on wetlands/river/coastal-related issues which have been awarded through a peer-review process

The solicitation will include an information sheet. This information sheet will be used to indicate the activities that a scientist wants to participate in and the nature of their

availability. A two page CV for each interested scientist will be requested in the solicitation. The solicitation will be sent to all scientists currently in the Academic Assistance database, as well as heads of all biology, geology, and civil engineering departments at Louisiana state universities. A copy of the solicitation will also be provided to all members of the Planning and Evaluation Subcommittee and Technical Committee who may distribute it to any Louisiana state university scientists they wish to ensure are contacted. The deadline for response will be at least two weeks after mailing.

**1d. Selection of participating scientists**

The Project manager will conduct a preliminary screening of the responses to determine which respondents are currently available for consideration. If sufficient qualified scientists can be identified, the Project Manager will provide the Academic Assistance Subcommittee with a list for consideration which exceeds the number of scientists required by no more than 50%. The Academic Assistance Subcommittee will make the final selection of scientists.

**2. Regional Planning Team Assistance**

There are four regional planning teams (RPT). These RPTs select projects for nomination on the priority project list. One selected scientist, who has broad familiarity with the region, will be assigned to each RPT. RPT meetings will also be attended by the Project Manager or a designated replacement to provide consistency in assistance to all four regions. The role of the selected ecologist and the Project Manager are to provide the RPTs with the scientific background for any planning activities within the region. The AAG members of the RPTs will review all nominated projects and provide this review to the Technical Committee at least two days prior to the coast-wide voting meeting.

*Appropriate Fields of Expertise:* Wetland Ecology.

**3. Environmental Work Group Assistance**

Three scientists will be selected for this task. The role of the selected scientists is to provide advice and assistance to the Task Force personnel and become part of the Wetland Value Assessment (WVA) team. The WVA team will visit each site in the field. Task Force agencies will generally provide boat transportation to field sites. Aspects of the projects will be discussed in the field, and a formal WVA analysis will be conducted by the team after the field visits.

*Appropriate Fields of Expertise:* Wetland Ecology, Coastal Geomorphology, and Wetland Hydrology.

**Current Active Members of the Academic Advisory Group:**

Project Management:	Dr. Jenneke Visser, University of Louisiana at Lafayette
Regional Planning Team 1	Dr. Gary Shaffer, Southeastern Louisiana University
Regional Planning Team 2	Dr. Charles Sasser, Louisiana State University
Regional Planning Team 3	Dr. Mark Hester, University of Louisiana at Lafayette
Regional Planning Team 4	Mr. Erick Swenson, Louisiana State University
Environmental Workgroup	Dr. Larry Rouse, Louisiana State University
	Dr. Charles Sasser, Louisiana State University
	Mr. Erick Swenson, Louisiana State University

**Academic Advisory Group Budget**

Project Management	30,000
Regional Planning Team Assistance	15,000
Environmental Workgroup Assistance	57,000
Subtotal	102,000
<u>LUMCON overhead (10%)</u>	<u>10,200</u>
Total	112,200

projects from a number of technical perspectives, which include: engineering, environmental, economic, real estate, construction, operation and maintenance, and monitoring. The TC provides guidance and direction to subordinate organizations of the program through the Planning & Evaluation Subcommittee (P&E), which reports to the TC. The TC is charged by the TF to consider and shape decisions and proposed actions of the P&E, regarding its position on issues, policy, and procedures towards execution of the Program and projects. The TC makes directives for action to the P&E, and the TC makes decisions in consideration of P&E recommendations. The responsibilities of the TC include the annual review of the outreach budget and the Public Outreach Committee's strategic plan. These efforts should be undertaken concurrent with the annual planning budget in the spring and summer Technical Committee and Task Force meetings, respectively. ~~in conjunction with the review of the planning budget in the fall and winter TC and TF meetings, respectively.~~ The TC approves changes to this SOP. In the event that such changes would reflect policy-level changes, then these changes must first be approved by the Task Force. Additionally, the TC appoints the chairs of the various workgroups that report to the TC. The State of Louisiana is represented on the TC by DNR. The Chair's seat of the TC resides with the USACE, New Orleans District. The TC Chairman leads the TC and sets the agenda for action of the TC to make recommendations to the TF for executing the Program and projects. At the direction of the Chairman of the TF, the Chairman of the TC guides the management and administrative work charged to the TF Chairman.

(d) Planning and Evaluation Subcommittee: The Planning and Evaluation Subcommittee (P&E) is the working level committee established by the TC to form and oversee special technical workgroups to assist in developing policies and processes, and recommend procedures for formulating plans and projects to accomplish the goals and mandates of CWPPRA. The seat of the Chairman of the P&E resides with the USACE, New Orleans District. The P&E Chairman leads the P&E and sets the agenda for action of the P&E to make recommendations to the TC for executing the Program and projects. At the direction of the Chairman of the TC, the Chairman of the P&E executes the management and administrative work directives of the TC and TF Chairs.

(e) Environmental Workgroup: The Environmental Workgroup (EnvWG), under the guidance and direction of the P&E, reviews candidate projects to: (1) suggest any recommended measures and features that should be considered during engineering and design for the achievement and/or enhancement of wetland benefits, and (2) determine the estimated annualized wetland benefits (Average Annual Habitat Units) of those projects.

(f) Engineering Workgroup: The Engineering Workgroup (EngWG), under the guidance and direction of the P&E, provides engineering standards, quality

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**ANNUAL REQUEST FOR INCREMENTAL FUNDING FOR FY13 ADMINISTRATIVE  
COSTS FOR CASH FLOW PROJECTS**

**For Decision:**

The U.S. Army Corps of Engineers will request funding approval in the amount of \$37,190 for administrative costs for cash flow projects beyond Increment 1. The Task Force will consider the Technical Committee's recommendation to approve the request for funds.

**Technical Committee Recommendation:**

The Technical Committee recommends approval of \$37,190 for administrative costs for cash flow projects beyond Increment 1.

**CWPPRA Cash Flow Management - COE Admin****Anticipated Funding Requests by Fiscal Year**

Last Updated 1 September 2010

**Funding Request to Task Force for Approval, 13 October 2010**

Request = \$37,190

Proj #	Project Name	Agency	PPL	Funding Request
PO-27	Chandeleur Island Restoration	NMFS	9	
TE-41	Mandalay Bank Protection Demo	USFWS	9	
MR-11	Periodic Intro of Sed & Nutrients Demo	COE	9	
TE-37	New Cut Dune Restoration	EPA	9	\$1,360
CS-30	Perry Ridge West	NRCS	9	\$1,022
TE-45	Terrebonne Bay Shore Protection Demo	USFWS	10	
CS-31	Holly Beach	NRCS	11	
BA-27c(1)	Barataria Basin Landbridge - Ph 3 CU 3	NRCS	9	\$989
LA-03b	Coastwide Nutria	NRCS	11	\$999
BS-11	Delta Management at Fort St. Philip	USFWS	10	\$1,001
ME-19	Grand-White Lake Landbridge Protection	USFWS	10	\$1,001
TE-44(1)	North Lake Mechant Landbridge - CU 1	USFWS	10	
BA-27c(2)	Barataria Basin Landbridge - Ph 3 CU 4	NRCS	9	
TV-18	Four-Mile Canal	NMFS	9	\$958
LA-05	Freshwater Floating Marsh Creation Demo	NRCS	12	
TE-40	Timbalier Island Dune/Marsh Restoration	EPA	9	\$958
CS-29	Black Bayou Bypass Culverts	NRCS	9	\$927
	CRMS	USGS/DNR		\$2,000
CS-32(1)	East Sabine Lake Hydrologic Rest- CU 1	USFWS/NRCS	10	\$1,033
BA-37	Little Lake	NMFS	11	\$1,063
BA-38	Barataria Barrier Island	NMFS	11	\$774
BA-27d	Barataria Basin Landbridge - Ph 4 CU 6	NRCS	11	\$1,031
LA-06	Shoreline Prot Foundation Imprvts Demo	COE	13	
ME-16	Freshwater Intro. South of Hwy 82	USFWS	9	\$838
TE-44(2)	North Lake Mechant Landbridge Rest - CU 2	USFWS	10	\$821
TE-48 (1)	Racoon Island Shoreline Protection - CU 1	NRCS	11	\$838
ME-22	South White Lake	COE	12	\$1,260
PO-30	Lake Borgne Shoreline Protection	EPA	10	\$826
BA-35	Pass Chalard to Grand Pass	NMFS	11	\$890
TE-46	West Lake Boudreaux SP & MC	USFWS	11	\$890
TE-53	Enhancement of Barrier Island Veg Demo	EPA	16	
BA-36	Dedicated Dredging on Bara Basin LB	USFWS	11	\$828
PO-33	Goose Point	USFWS	13	\$828
ME-21a	Grand Lake Shoreline Protection, Tebo Point Only	COE	11	
ME-21b	Grand Lake Shoreline Protection, O&M Only [CIAP]	COE	11	
LA-08	Bio-Engineered Oyster Reef Demo	NMFS	17	
LA-09	Sediment Containment Demo	NRCS	17	
BA-39	Bayou Dupont Sediment Delivery System	EPA	12	\$850
TE-48 (2)	Racoon Island Shoreline Protection - CU 2	NRCS	11	
TE-39	South Lake DeCade - CU 1	NRCS	9	\$835
BA-41(1)	South Shore of the Pen - CU 1	NRCS	14	
BA-41(2)	South Shore of the Pen - CU 2	NRCS	14	
TE-50	Whiskey Island Back Barrier M.C.	EPA	13	\$874
TV-21	East Marsh Island	NRCS	14	
BA-42	Lake Hermitage	FWS	15	
LA-16	Non-Rock Alternative SP Demo	NRCS	18	
BA-27c	Barataria Basin LB, Ph 3 - CU 7	NRCS	9	
MR-03	West Bay Sediment Diversion	COE	1	
CS-27	Black Bayou Hydrologic Restoration	NMFS	6	\$1,368
CS-17	Cameron Creole Plugs	FWS	1	\$1,368
ME-13	Freshwater Bayou Bank Stab	NRCS	5	\$1,368
BA-4c	West Point a la Hache	NRCS	3	
TE-26	Lake Chapeau	NMFS	3	\$1,280
CS-23	Sabine Structures (Hog Island)	USFWS	3	\$1,000
BA-02	BA2-GIWWW	NRCS	1	\$1,278
TE-28	Brady Canal	NRCS	3	\$1,278
TE-22	Point au Fer	NMFS	2	\$1,278
TV-04	Cote Blanche	NRCS	3	\$1,278
				<b>\$37,190</b>

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**REQUEST FOR FY13 PROJECT SPECIFIC MONITORING FUNDS FOR CASH FLOW PROJECTS, AND FY13 COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)- WETLANDS MONITORING FUNDS**

**For Decision:**

Following a presentation by USGS on the status/progress of CRMS over the past year, the Task Force will consider the Technical Committee's recommendations for approval of the following FY13 incremental funding requests:

- a. PPL 9+ Project specific FY13 monitoring funding totaling \$156,685:
  - Coastwide Nutria Control Program (LA-03b), PPL-11, NRCS  
Incremental funding in the amount of \$117,442.
  - Grand-White Lakes Landbridge Protection (ME-19), PPL-10, USFWS  
Incremental funding in the amount of \$20,808.
  - Barataria Basin Landbridge Shoreline Protection, Phase 3 (BA-27c), PPL-9, NRCS  
Incremental funding in the amount of \$18,435.
- b. CRMS FY13 monitoring funds in the amount of \$10,504,462.
- c. Non-cash flow project monitoring budget increase and Incremental Funding:
  - East Mud Lake Marsh Management (CS-20), PPL 2, NRCS,  
budget increase in the amount of \$405,938 and FY13 incremental funding in the amount of \$275,866, which includes \$89,211 to cover previously expended funds.

**Technical Committee Recommendation:**

The Technical Committee recommends:

- a. Approval of \$156,685 for PPL 9+ Project specific FY13 monitoring funding.
- b. Approval of \$10,504,462 for CRMS FY13 monitoring funding.
- c. Approval of \$405,938 for budget increase and \$275,866 for FY13 incremental funding for East Mud Lake Marsh Management (CS-20).

**Budget Request for CWPPRA Monitoring  
CWPPRA Technical Committee Meeting  
September 28, 2010**

**Out-year funding (2013)**

Project-specific (PPL 9-11)

The following PPL 9-11 cash-flow projects will continue to have project-specific monitoring activities and will require addition out-year funding.

<b>\$117,442</b>	<b>LA-03b Coastwide Nutria Control Program</b>
<b>\$20,808</b>	<b>ME-19 Grand – White Lakes Landbridge Protection</b>
<b>\$18,435</b>	<b>BA-27c Barataria Basin Landbridge Shoreline Protection Phase 3</b>
<b>\$275,866</b>	<b>*CS-20 East Mud Lake Marsh Management (PPL 2) – not a cash flow request. Project is overbudget, additional funding request.</b>
<b>\$432,551</b>	<b>TOTAL</b>

Coastwide Reference Monitoring System – Wetlands (CRMS-Wetlands)

CRMS-Wetlands has been funded by previous Task Force authorizations through FY12.

**\$10,504,462** *CRMS-Wetlands*

**Request for CWPPRA Project Monitoring Funding Increase**  
**Project Costs and Benefits Reevaluation**  
**Fact Sheet**  
**September 21, 2010**

**Project Name:** East Mud Lake Marsh Management (CS-20)

**PPL:** 02

**Federal Sponsor:** NRCS

**Construction Completion Date:** April 1996

**Projected Project Close-out Date:** April 2016

**Project Description:** 16 water control structures were installed to manage water levels and salinity in the project area with the goals of reducing wetland loss, increasing vegetation, and increasing accretion.

**Monitoring changes from the approved project:** 1) Reduce hydrologic monitoring; 2) reduce sampling stations in field efforts; 3) add an additional field sampling date.

**Explain why monitoring funding increase needed:** As the end of FY10, the monitoring budget allocated to OCPR was overdrawn \$89,211; therefore, additional funding is needed for monitoring throughout the remaining project life (2016). CS-20 is very long-lived and complex CWPPRA project (PPL 02). The monitoring plan incorporated a rigorous experimental design which has produced valuable data and results used by restoration project managers and researchers. For these reasons, the monitoring plan remained in place when CRMS-*Wetlands* was initiated for CWPPRA monitoring in 2004. Although significant cost reductions to monitoring have recently been implemented, continued monitoring will require additional funds. In addition, an extension of monitoring to 2015 (one additional year of hydrologic monitoring and a 3-year field sampling date) is requested to monitor affects of recent/scheduled hydrologic changes and recovery from Hurricanes Rita (2005) and Ike (2008). Hydrologic control structure 4 along the eastern boundary of CTU 2 is currently being replaced. Ducks Unlimited has two projects outside of the project that will directly affect the hydrology of the project area. To the east of the project area they changed the hydrology of Oyster Bayou (Ref area 1) which enters the project area (CTU 2) through structure 3 by plugging a canal south of the bayou and installing a boat bay in the bayou. To the west of the project area they plan to increase drainage into East Mud Lake through structure 13 (CTU 1) by cleaning out First Bayou and plugging a canal leading to the Hwy 27 barrow ditch.

**Previously approved Monitoring Plan:** To assess the project effectiveness and achievement of goals, the following monitoring plan (elements and schedule) was established:

- 1) Habitat mapping                      Habitat analysis of 1:12,000 scale aerial photography with comparisons of project areas (CTU 1 and 2) and reference areas (Ref 1 and 2) was completed in 1994 (pre-construction), 2000, and 2006; it is next scheduled for 2012 (\$60,000 allocated to USGS-NWRC).
- 2) Vegetative Plantings                Emergent vegetation was planted along the north shore of East Mud Lake (CTU 1) and the Step Canal (CTU 2) during project construction. This monitoring element was completed 2 years after planting.
- 3) Hydrology                              To monitor water level and salinity within the project and reference areas, data is collected hourly and downloaded monthly from continuous recording sondes at five project locations (3 in CTU 1; 2 in CTU 2) and two reference locations (1 per Ref). Discrete measurements are taken at 20 additional permanent locations (11 project, 9 reference) once per

month. Data has been collected since 1995 and is scheduled to be collected through 2014. Hourly data is also being collected at 2 CRMS sites in CTU 2 at no additional cost to the project. Estimated cost remaining (2010-2014) is \$490,000.

- 4) Existing Vegetation Forty sampling stations (20 stations each in CTU 2 and Ref 1) were established to document condition of existing vegetation over the project life. Stations were sampled in 1995 (pre-construction), 1997, 1999, 2003, 2006, and 2009. The next, and final, sampling is scheduled for 2012.
- 5) Marsh Elevation Vertical accretion has been monitored via 2 feldspar stations adjacent to each existing vegetation station. Also, marsh elevation change has been monitored with surface elevation tables at a subset of stations (6 in CTU #2 and 6 in reference areas). Elevations were measured in 1996 (pre-construction), 1997, 1998, 2003, 2006, 2009; the final measurement is scheduled for 2012.
- 6) Soil Characteristics Soil samples are collected by OCPR (formerly LDNR) and analyzed by LSU-Ag Dept to determine grain size, bulk density, % organic, and soil salinity. Samples were taken at the 40 sampling stations in 1996 (pre-construction), 1999, and 2006. A final collection is scheduled for 2012.
- Field Trip Elements (4-6) Estimated Cost for 2012 is \$31,000
- 7) Fisheries Although not project goal specific, NMFS funded a fisheries study between project and reference areas. Fisheries monitoring is completed and no further monitoring is scheduled.

**Detail of monitoring work to be completed per this monitoring request:** To continue monitoring CS-20 at a reduced cost, the following changes to the monitoring plan are suggested (affected monitoring elements from above are listed):

- 3) Hydrology Reduce number of sondes from 7 to 2 (retain CTU 1 and Ref 1) and replace with discrete data collected from 6 paired locations (inside/outside project) around the perimeter of the project area for operations by the landowner (Apache Louisiana Minerals, Inc.) and processed by OCPR - Monitoring. Hourly data will be collected at 2 CRMS sites in CTU 2 at no additional cost to the project.
- 4) Existing Vegetation Reduce from 40 sampling stations to 20 sampling stations. The next 3-year sampling is 2012. We would like to add another 3-year sampling date in 2015.
- 5) Marsh Elevation Reduce vertical accretion stations along with existing vegetation stations to 20 stations. Maintain marsh elevation change monitoring at existing stations with surface elevation tables (4 in CTU #2 and 4 in reference areas; two stations in each area were lost throughout the life of the project). The next 3 year sampling is 2012. We would like to add another 3-year sampling date in 2015.

6) Soil Characteristics      Reduce sampling locations to the 20 sampling stations. Reschedule final sampling to 2015.

Field Trip Elements (4-6)      Along with reducing sampling intensity, add a 3-year sampling date in 2015 to monitor affects of hydrologic changes within the project area. Intervals of change from sampling date to date are used to monitor project effectiveness; 2009 to 2012 will include systematic changes to the project area while 2012 to 2015 would represent a post-construction interval.

**Originally approved fully funded project cost estimate:** \$2,903,635

**Current approved fully funded project cost estimate** (as of CSA Amend 5): \$4,986,817

**Originally approved monitoring budget:** \$838,676

**Approved monitoring budget increases:** \$213,781 on 06/21/1995; \$320,087 on 07/23/1998

**Currently approved monitoring budget:** \$1,372,544

**Current monitoring budget allocated to OCPR:** \$1,149,700 (\$218,648 to NWRC; \$4,196 to NRCS)

**Total monitoring obligations by OCPR to date (end of FY10):** \$1,238,911

**Remaining available monitoring budget funds allocated to OCPR:** -\$89,211

**Requested revised fully funded monitoring estimate:** \$1,778,482

**Current incremental funding request:** \$275,866

**Requested funds to complete monitoring by OCPR:** \$405,938

**Percent cost increase of proposed monitoring budget over current project budget:** 8.14 %

## CS-20/East Mud Lake Marsh Management Monitoring Conclusions

09/08/2010

Land to water analyses from 1994 and 2000 showed that project area CTU 2 (eastern reference area) gained 7.0 % land while the reference areas lost about 1 % during this time interval immediately before and following construction in 1995. Based on vegetation sampling, we believe land gains in CTU 2 were due mainly to expansion of *P. vaginatum* and *S. alterniflora* at the marsh water interface following the drawdown and drought in 1996. During the 2000-2006 interval, which included Hurricane Rita, the project area lost less land (6%) than the reference area (13 %), overall. These percentages were highly variable: CTU 1 (13 %; western reference area), CTU 2 (3 %), northerwestern reference area (15 %), and southeastern reference area (4 %).

Water levels were within the target range (6" below to 2" above marsh elevation) in the project areas until Hurricane Rita. After Hurricane Rita, water levels remained above the target range in project area (CTU 2) and reference area (Oyster Bayou) through August 2007. From August 2007 until Hurricane Ike (September 2009), water levels in the CTU 2 were within the target range about 73% of the time. Structure 3 has been inoperable since Hurricane Rita due to obstruction by marsh debris. Maintenance on this structure and the replacement of Structure 4 (fall 2010) will facilitate improved drainage of CTU 2.

During normal weather conditions, structure operation is effective at muting high salinity in the project area. Post-construction salinities were within the target range of below 15 ppt more often than pre-construction salinities with the exception of the year 2000 when an extended drought caused salinities to exceed the target ranges for 95-100 % of the year. Salinities increased to beyond the target maximum of 15 ppt after Hurricane Rita in September 2005 and remained elevated in 2006. From August 2007 until Hurricane Ike (September 2009), salinity was below 15 ppt about 72% of the time. Because of the drought in 2000 and damage to structures during Hurricane Rita, structure operation to manage salinity has been secondary to managing for water level.

Total vegetative cover from sampling stations in the project area (CTU 2 only) declined from 97% preconstruction to 58% by 1997 (1996 drought/flood), then rebounded to about 75% in 2003; where as, the reference area (northwestern only) was consistently > 75% through 2003. After Hurricane Rita (Sept 2005), cover in both the project and reference areas was decimated to 10% in Dec 2005; by June 2006, vegetation recovered to almost 50% in the project area and 40% in the reference area. Dominant species composition changed over time, especially in the project area, as vegetation type shifted from brackish (dominated by *Spartina patens*) to more saline and disturbance adapted plants (*Distichlis spicata* and *Amaranthus australis*).

From 1995-2003 (preconstruction to pre Hurricane Rita), the project and reference areas had similar vertical accretion rates (VA; ~5 mm/yr) while the project area had a slightly higher rate of shallow subsidence (SS; -3 mm/yr) and a resultant lower rate of elevation change (EC; 2 mm/yr). From 2003-2006, the project and reference areas experienced dramatic increases in VA, SS, and EC caused by sedimentation via Hurricane Rita. The

project area had a slightly larger EC (22 mm/yr) than the reference area (20 mm/yr). Although VA was greater in the reference area (37 mm/yr) than in project area (31 mm/yr), subsequent SS was also greater in the reference (17 mm/yr) than the project area (9 mm/yr). Overall, components of elevation change are less variable in the project than the reference areas; this is attributable to the water control structures and the pre-existing ring levees around CTU 2.

CWPPRA Project Monitoring Budget Adjustment Template

Project Name: E. Mud Lake Marsh Management CS-20  
 PPL: 2  
 Project Sponsor: NRCS

Prepared By: OCPD  
 Date Prepared: 9/14/2010  
 Date Revised:

Approved Original Base Line					Obligations to Date				Proposed Revised Estimate and Schedule			
Year	FY	State Monitoring	NWRC	Fed S&A & Rep Rev	FY	State Monitoring	NWRC	Fed S&A & Rep Rev	FY	State Monitoring	NWRC	Fed S&A & Rep Rev
0	1996	\$615,832	\$218,648	\$4,196	1996		\$0	\$0	1996	\$0	\$0	\$0
-1	1997		\$0	\$0	1997		\$0	\$0	1997	\$0	\$0	\$0
-2	1998		\$0	\$0	1998		\$0	\$0	1998	\$0	\$0	\$0
-3	1999		\$0	\$0	1999		\$0	\$0	1999	\$0	\$0	\$0
-4	2000		\$0	\$0	2000		\$0	\$0	2000	\$0	\$0	\$0
-5	2001		\$0	\$0	2001		\$0	\$0	2001	\$0	\$0	\$0
-6	2002		\$0	\$0	2002		\$0	\$0	2002	\$0	\$0	\$0
-7	2003		\$0	\$0	2003		\$0	\$0	2003	\$0	\$0	\$0
-8	2004		\$0	\$0	2004		\$0	\$0	2004	\$0	\$0	\$0
-9	2005		\$0	\$0	2005		\$0	\$0	2005	\$0	\$0	\$0
-10	2006		\$0	\$0	2006		\$0	\$0	2006	\$0	\$0	\$0
-11	2007		\$0	\$0	2007		\$0	\$0	2007	\$0	\$0	\$0
-12	2008		\$0	\$0	2008		\$0	\$0	2008	\$0	\$0	\$0
-13	2009		\$0	\$0	2009		\$0	\$0	2009	\$0	\$0	\$0
-14	2010		\$0	\$0	thru 2010	\$1,238,911	\$218,648	\$4,196	2010	\$1,238,911	\$218,648	\$4,196
-15	2011		\$0	\$0	2011		\$0	\$0	2011	\$75,166		\$0
-16	2012		\$0	\$0	2012		\$0	\$0	2012	\$60,506		\$0
-17	2013		\$0	\$0	2013		\$0	\$0	2013	\$50,983		\$0
-18	2014		\$0	\$0	2014		\$0	\$0	2014	\$63,330		\$0
-19	2015		\$0	\$0	2015		\$0	\$0	2015	\$66,741		\$0
-20	2016											
	Total	\$615,832	\$218,648	\$4,196		\$1,238,911	\$218,648	\$4,196		\$1,555,638	\$218,648	\$4,196

SUMMARY:

Benefits:

Original Net Acres	Revised Net Acres
1520	1520

Approved Original Monit Budget vs Obligations to Date: **Increment Years -0 through -14**

Funding Category	Approved Original Monitoring Baseline	Monitoring Obligations to Date	Difference
State Monitoring	\$615,832	\$1,238,911	(\$623,079)
NWRC	\$218,648	\$218,648	\$0
Fed S&A & Rep R	\$4,196	\$4,196	\$0
Totals	\$838,676	\$1,461,755	(\$623,079)

Current Request:

Current Increment Funding Request Year	Proposed Revised Estimate	Remaining Available Monitoring Budget	3 Year Funding Request Amount
Year -15	\$75,166		
Year -16	\$60,506		
Year -17	\$50,983		
Totals	\$186,655	(\$89,211)	\$275,866

Approved Budgeted Monitoring Funds less Monitoring Obligations to Date:

	Total Approved Monitoring	Monitoring Obligations to Date	Remaining Available Monitoring Budget
1994 App. Budget	\$838,676		
1995 Funding Incr	\$213,781		
1998 Funding Incr	\$320,087		
Totals	\$1,372,544	\$1,461,755	(\$89,211)

Original Approved vs Proposed Revised Fully Funded Estimates:

Original Fully Funded Baseline Estimate	Approved Net Budget Change to E&D, Constr., O&M and Monitoring	Additional Monitoring funding required for remaining project life	Requested Revised Fully Funded Estimate
\$2,903,635	\$2,083,182	\$405,938	\$5,392,755

Total Approved Budget less Total Proposed Revised Budget

Funding Category	Current Total	Proposed Revised Total	Difference
State Monitoring	\$1,149,700	\$1,555,638	(\$405,938)
NWRC	\$218,648	\$218,648	\$0
Fed S&A & Insp	\$4,196	\$4,196	\$0
Total	\$1,372,544	\$1,778,482	(\$405,938)

Change in Total Cost and Cost Effectiveness:

As Compared To	Cost Estimate % Change	Cost Effectiveness	Revised Cost Effectiveness
Original Fully Funded Baseline Est.	85.72%	\$1,910.29	\$3,547.87
Approved Fully Funded Baseline Est. Plus Net Budget Changes	8.14%	\$3,280.80	\$3,547.87

CRMS-Wetlands Status Report Prepared for the  
CWPPRA Technical Committee  
September 28, 2010

**I. Overview of authorization and funding approvals to date**

CRMS-Wetlands was authorized by the CWPPRA Task Force on August 14, 2003. The following is a summary of budget authorizations and expenditures:

<b>Funding Summary</b>		Authorizations	Expenditures
August 14, 2003	Funding for 2003 - 2005 <i>Existing PPL 1-8 projects</i> \$6,760,637 <i>From new funding</i> \$5,636,869	\$12,397,506	
January 28, 2004:	Funding for 2006	\$3,101,357	\$532,000
October 13, 2004:	Funding for 2007	\$532,000 <sup>a</sup>	\$1,036,109
October 26, 2005:	Funding for 2008	\$1,036,109 <sup>a</sup>	\$3,185,809
October 18, 2006:	Funding for 2009	\$3,185,809 <sup>a</sup>	\$4,697,824
October 25, 2007:	Funding for 2010	\$4,697,824 <sup>a</sup>	\$7,600,455
November 5, 2008:	Funding for 2011	\$7,600,455 <sup>a</sup>	\$8,396,985
<u>October 28, 2009:</u>	<u>Funding for 2012</u>	<u>\$7,500,000</u>	<u>\$10,504,462</u>
Subtotal	2003-2012	\$40,051,060	\$35,953,644
October 13, 2010 <sup>b</sup>	Funding for 2013	\$10,504,462 <sup>b</sup>	
<b>TOTAL</b>	<b>Funding 2003 through 2013</b>	<b>\$50,555,522</b>	<b>\$35,953,644</b>

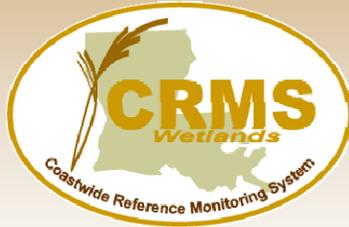
<sup>a</sup>(request reduced to only cover expenses to date)

<sup>b</sup>(anticipated)

<b>Expenses from July 1, 2009 through June 30, 2010</b>	
Administration and Supervision	\$468,503
Landrights	\$18,886
Site Construction, O&M, Engineering Services, Equipment	\$801,090
Spatial and Temporal Data Collection	\$8,616,435
Database Management	\$503,608
<u>Analysis and Reporting</u>	<u>\$595,940</u>
TOTAL Expenditures July 1, 2009 through June 30, 2010	\$11,004,462
State Contribution through LACES	\$500,000
<b>Actual Cost to CWPPRA</b>	<b>\$10,504,462</b>



# Louisiana's Coastwide Reference Monitoring System (CRMS) - Wetlands



Gregory D. Steyer  
USGS National Wetlands Research Center  
October 13, 2010



## CRMS Authorizations and Current Request

Summary Budget and Funding To Date			
	Total Budget	Approved Funding	Remaining Funding
PPL 1-8	\$6,760,637	\$6,760,637	\$0
CRMS-Wetlands	\$60,129,663	\$33,290,423	\$26,839,240
<b>CRMS Program Total</b>	<b>\$66,890,300</b>	<b>\$40,051,060</b>	<b>\$26,839,240</b>

### FUNDING SUMMARY

		Authorizations	Expenditures	Balance
August 14, 2003	Funding for 2003 - 2005 <i>Existing PPL 1-8 projects \$6,760,637</i> <i>From new funding \$5,636,869</i>	\$12,397,506		
January 28, 2004:	Funding for 2006	\$3,101,357	\$532,000	
October 13, 2004:	Funding for 2007	\$532,000	\$1,036,109	
October 26, 2005:	Funding for 2008	\$1,036,109	\$3,185,809	
October 18, 2006:	Funding for 2009	\$3,185,809	\$4,697,824	
October 25, 2007:	Funding for 2010	\$4,697,824	\$7,600,455	
November 5, 2008:	Funding for 2011	\$7,600,455	\$8,396,985	
October 28, 2009:	Funding for 2012	\$7,500,000	\$10,504,462	
<b>Subtotal</b>	<b>2003-2012</b>	<b>\$40,051,060</b>	<b>\$35,953,644</b>	<b>\$4,097,416</b>
October 13, 2010	Funding for 2013	\$10,504,462		
<b>TOTAL</b>	<b>Funding 2003 through 2013</b>	<b>\$50,555,522</b>	<b>\$35,953,644</b>	<b>\$14,601,878</b>



**CRMS** **Marsh Site Layout**

The diagram illustrates a marsh site layout with the following components:

- WARNING SIGN**: Located at the top and bottom left of the marsh area.
- MARSH WELL LOCATION (IF NECESSARY)**: A vertical structure on the left side of the marsh.
- SOIL PORE WATER SAMPLING AREA**: A rectangular area within the marsh.
- RSET**: A circular marker in the center of the marsh.
- FELDSPAR (TYP)**: A vertical structure on the right side of the marsh.
- BANKLINE**: A dashed line representing the boundary between the marsh and the bayou.
- BAYOU/OPEN WATER**: The body of water adjacent to the marsh.
- CONTINUOUS RECORDER W/ELEVATION**: A monitoring station in the bayou.
- STAFF GAGE (NAVD88)**: A vertical gage in the bayou.

**Typical Herbaceous Marsh Site**

**Typical Swamp Site**

**CRMS** **Coastwide Reference Monitoring System - Wetlands**  
**Ecological Indice Development**

METRICS		INDEX DEVELOPMENT
<ul style="list-style-type: none"> <li>• <b>Vegetation</b> <ol style="list-style-type: none"> <li>1. Cover</li> <li>2. Species composition</li> <li>3. Relative abundance</li> <li>4. Dominance/calculated</li> <li>5. Richness/calculated</li> <li>6. Height</li> <li>7. NDVI</li> </ol> </li> <li>• <b>Hydrology</b> <ol style="list-style-type: none"> <li>8. Water depth</li> <li>9. Water duration/calculated</li> <li>10. Flooding frequency/calculated</li> <li>11. Salinity</li> <li>12. Temperature</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Soils</b> <ol style="list-style-type: none"> <li>13. Bulk density</li> <li>14. % organic matter</li> <li>15. Water content</li> <li>16. Sediment elevation</li> <li>17. Sediment accretion</li> <li>18. Shallow subsidence</li> <li>19. Salinity</li> <li>20. Temperature</li> <li>21. pH</li> <li>22. Soil type</li> <li>23. Relative sea level rise</li> <li>24. Deep subsidence</li> </ol> </li> <li>• <b>Landscape</b> <ol style="list-style-type: none"> <li>25. Land:water ratio</li> <li>26. NDVI</li> <li>27. Fragmentation</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>• Hydrologic Index</li> <li>• Floristic Quality Index</li> <li>• Sediment Elevation Compensation Index</li> <li>• Spatial Integrity Index</li> </ul>

**CRMS** Coastwide Reference Monitoring System - *Wetlands*  
CRMS Website

Coastwide Reference Monitoring System a CWWPRA funded project

Home Data Mapping Library Visualization Program

Long: -94.47144, Lat: 32.2128 Map Satellite Hybrid

**Layers**

- CRMS Sites
- 1 Km Buffer
- CWWPRA Projects
- Hydro Basins
- Coastwide Vegetation
- Land/Water
- CMS

**Site Info**  
Single-click the yellow symbology on the map to view CRMS Site Information.

**Disclaimer**  
PROVISIONAL DATA SUBJECT TO REVISION.

Imagery ©2009 TerraMetrics - Terms of Use

USGS

- Incorporates CWWPRA partner suggestions and requests to enable multi-scale evaluations
- Continually evolves as data become available and analyses develop

**CRMS** Coastwide Reference Monitoring System - *Wetlands*  
CRMS Website

Coastwide Reference Monitoring System a CWWPRA funded project

Home Data Mapping Library Visualization Program

**Spatial Viewer \*DRAFT**

Long: -90.5055, Lat: 29.51641 Map Satellite Hybrid

**Layers**

- CRMS Sites
- Zoom To: [CRMS002]
- 1 Km Buffer
- CWWPRA Projects

**Site Info**

Site ID: CRMS0416  
 Lat, Long: 29.476, -90.4792  
 Marsh Elevation: 1.36ft NAVD1980  
 NGS Benchmark: Not currently available.  
 Pre/Post Construction Pictures:

Post Construction Pre Construction Preliminary Site Visit



## CWPPRA Project Information

- Users can visualize project boundaries and are provided with project summary information and reports

## Coastwise Data – Development of New Data Sets and Applications

- **Released to Production**
  - Data Layer: 2007, 2001, 1997, 1968, 1949 Vegetation
  - Data Layer: 2008, 2006, 2004, 1988, 1978, 1956 Land:Water
  - Forested FQI: Basal Area Chart
  - Marsh Classification calculated per year based on algorithm
- **Staged for Release Pending Review**
  - Tool: Vegetation Difference Tool
  - Data Layer: Normalized Difference Vegetation Index
  - Chart: Marsh Type Change Over Time
  - Map Bubble: Establish linkage between CRMS site and NRCS Plants Database
- **In Development**
  - Tool: Acreage Assessment Tool
  - Data: Classifications of Vegetation Type
  - Chart: Tidal Frame
  - User Driven Map Symbology



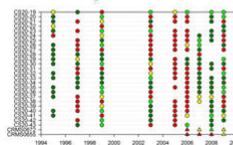
**DRAFT**  
**Vegetation Report Card Example Elements for East Mud Lake Marsh Management (CS-20)**

**Floristic Quality Index**

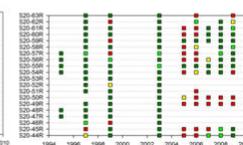
The table shows Floristic Quality Index (FQI) score ranges that are used to rank monitoring sites. The ranges are derived from the CRMS site FQI scores. Means and the 75th and 25th percentiles were calculated by marsh type across all years of available data (2006 - 2009). Colors represent the condition of the monitoring site: dark green = very good (scores > 75th percentile), light green = good (scores between the 75th percentile and the mean), yellow = poor (scores between the mean and the 25th percentile), and red = very poor (scores lower than the 25th percentile).

Marsh Type	Very Good	Good	Poor	Very Poor
Swamp	> 50.1	50.1 - 36.6	36.6 - 21.4	< 21.4
Fresh	> 52.0	52.0 - 42.3	42.3 - 30.4	< 30.4
Intermediate	> 60.1	60.1 - 48.0	48.0 - 37.6	< 37.6
Brackish	> 75.4	75.4 - 62.3	62.3 - 51.4	< 51.4
Saline	> 85.7	85.7 - 74.6	74.6 - 66.5	< 66.5

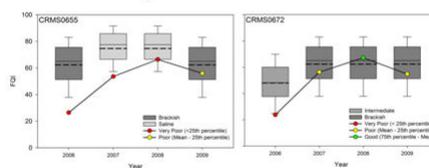
CS-20 Project Stations & CRMS sites



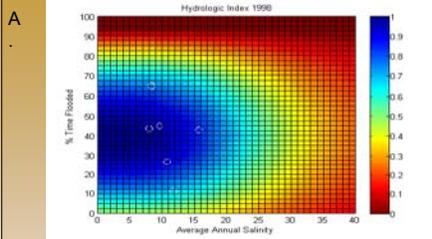
CS-20 Reference Stations



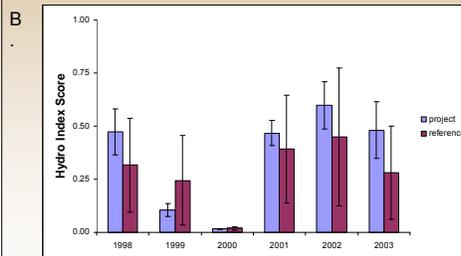
FQI Scores of CRMS sites within CS-20



**DRAFT**  
**Hydrologic Report Card Example Elements for East Mud Lake Marsh Management (CS-20)**



◇ = reference      ○ = project



A.) Project and reference station data can be displayed annually to illustrate trends that may be occurring in project vs. reference stations. B.) Displays of hydro index scores separated by project vs. reference can show trends through time (ex., project sites are reaching or exceeding reference condition or the opposite trajectory).



## Coastwide Data – Refinement of Ecological Understanding

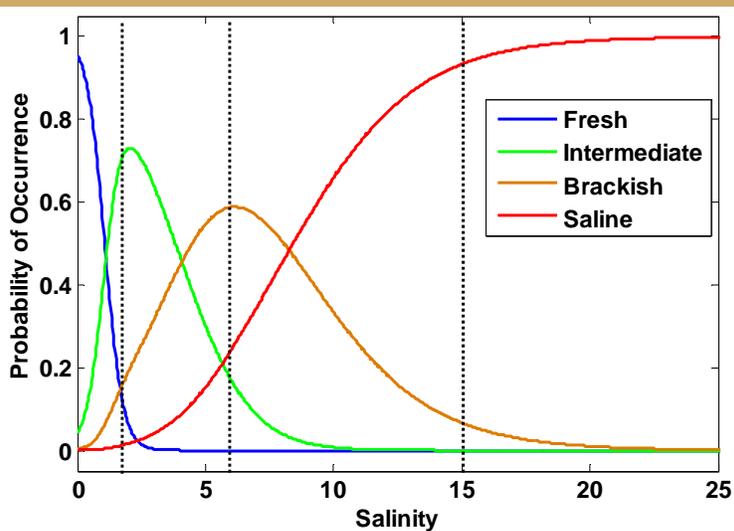
Table 9.1. Restrictions in salinity and inundation for the major habitat types<sup>1</sup>.

Habitat	Salinity (yearly average)	Source for Salinity Restrictions	Inundation (% of year)	Source for Inundation Restrictions
Bottomland Hardwood Swamp Forest	< 2 ppt	Conner et al. (1997)	< 30%	Conner et al. (1997)
Fresh Floating Marsh	< 2 ppt	Chabreck (1970), Hester et al. (2002)	Up to whole year if not stagnant Not Applicable	Höppner (2002)
Fresh Attached Marsh	< 2 ppt	Chabreck (1970)	Up to whole year if not stagnant and below 30 cm of water on marsh	Evers et al. (1998)
Intermediate Marsh	2-6 ppt	Chabreck (1970)	Up to whole year if not stagnant and below 30 cm of water on marsh	Evers et al. (1998)
Brackish Marsh	6-15 ppt	Chabreck (1970)	< 64%A	Sasser (1977)
Saline Wetlands	> 15 ppt	Chabreck (1970)	< 80%A	Sasser (1977)

<sup>1</sup>Restrictions are estimated on limited data and the authors' experience. These restrictions are subject to change if additional data becomes available

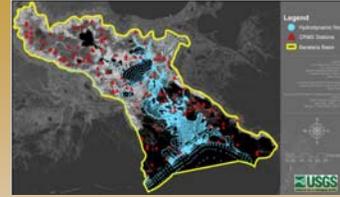
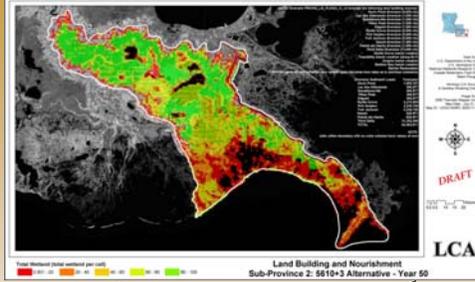


## Coastwide Data – Salinity Thresholds

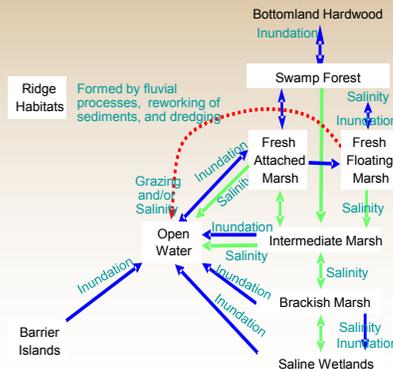
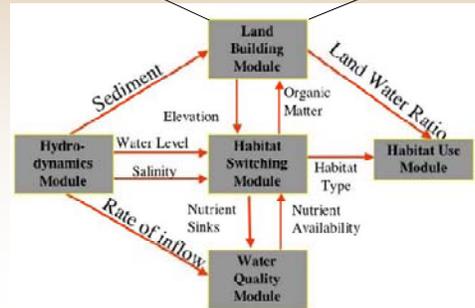




## Coastwide Data to Support Model Development



### Habitat Switching Module



## CRMS – Short-term Goals

### Training

- Continue training on DNR/OCPR SONRIS and CRMS data access, delivery and new functionality
- Expand training opportunities beyond CWPPRA agencies to broader natural resource, science and stakeholder communities

### Feedback

- Continue dialog with CWPPRA agencies on new functionality
  - Fall 2010 meetings to discuss deliverables and report card
- Refine and/or develop new indices and a coastal report card
- Use data to support decisions on program modifications, if necessary

### Status and trends

- Coastal land change (incorporate hyper-temporal assessments into report card)
- Vegetation community change (2006 – 2008)

### Project assessments

- Apply CRMS ecological indices to appropriate CWPPRA monitoring data and incorporate findings in OM&M reports

### Funding

- Looking for LCA, CIAP, LACPR, and CPRA to contribute funding to operate network



## CWPPRA Monitoring FY13 Funding Request

### Project-specific (PPL 9-11)

LA-03b Coastwide Nutria Control Program	\$117,442
ME-19 Grand – White Lakes Landbridge Protection	\$20,808
BA-27c Barataria Basin Landbridge SP Ph3	\$18,435
Total project-specific monitoring	\$156,685

### Coastwide Reference Monitoring System – Wetlands

CRMS - <i>Wetlands</i>	\$10,504,462
------------------------	--------------

*CS-20 East Mud Lake Marsh Management	\$405,938
	(FY13 increment \$275,866)



For more information

<http://www.lacoast.gov/crms2/Home.aspx>

<http://www.nwrc.usgs.gov/>

<http://dnr.louisiana.gov/crm/ocpr.asp>

Steyer, G.D. 2010. Coastwide Reference Monitoring System (CRMS): U.S. Geological Survey Fact Sheet 2010-3018, 2p.

Steyer, G.D. and others 2003. A Proposed Coast-wide Reference Monitoring System for Evaluating Wetland Restoration Trajectories in Louisiana. *Environmental Monitoring and Assessment*. 81:107-117.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**REQUEST FOR OPERATION AND MAINTENANCE (O&M) INCREMENTAL FUNDING AND BUDGET INCREASES**

**For Decision:**

The Task Force will consider the Technical Committee's recommendations to approve requests for total FY13 incremental O&M funding in the amount of \$2,661,498. The Technical Committee deferred making a recommendation on a request for an O&M budget increase of \$3,349,711 and incremental funding increase of \$3,356,181 for the Lake Borgne Shoreline Protection Project (PO-30) until additional engineering is conducted to demonstrate a cost effective design.

- a. PPL 9+ Projects requesting approval for FY13 incremental funding in the total amount of \$2,650,974 for the following projects:
  - Four Mile Canal Sediment Trapping (TV-18), PPL-9, NMFS  
Incremental funding amount (Federal S&A only): \$1,000
  - Pass Chalard to Grand Bayou Pass Barrier Shoreline Restoration (BA-35), PPL-11, NMFS  
Incremental funding amount (FY11 – FY13) (Federal S&A only): \$6,665
  - Coastwide Nutria Control Program (LA-03b), PPL-11, NRCS  
Incremental funding amount: \$2,643,309
  
- b. PPL 1-8 Projects requesting approval for FY13 incremental funding in the amount of \$10,524 for the following projects:
  - Point au Fer Canal Plugs (TE-22), PPL-2, NMFS  
Incremental funding amount (Federal S&A only): \$2,205
  - Lake Chapeau Sediment Input & Hydrologic Restoration (TE-26), PPL-3, NMFS  
Incremental funding amount (Federal S&A only): \$2,319
  - Black Bayou Hydrologic Restoration (CS-27), PPL-6, NMFS  
Incremental funding amount (FY11 – FY13) (Federal S&A only): \$6,000

**Technical Committee Recommendation:**

The Technical Committee recommends:

- a. Approval of \$2,650,974 for PPL 9+ Projects' FY13 incremental funding.
- b. Approval of \$10,524 for PPL 1-8 Projects' FY13 incremental funding.

**Four Mile Canal Terracing and Sediment Trapping**

FEDERAL AGENCY: NMFS  
 CONSTRUCTION COMPLETED: 23-May-04

EXISTING OPERATION AND MAINTENANCE (O&M) BUDGET: 39,553.00  
 ESTIMATED O&M EXPENDITURES (as of 31-Aug-2010) 14,423.56  
 ESTIMATED UNEXPENDED O&M FUNDS: 25,129.44  
 REQUESTED O&M FUNDS FOR 2011 TO 2013

	Year 8	Year 9	Year 10
	2011	2012	2013
Annual Inspection	0	0	0
Federal S&A	0	0	\$1,000.00
Engineering & Design	0	0	0
TOTAL	0	0	\$1,000.00
 Total Budget 2011- 2013			 \$1,000.00

Notes:

- 1 The O&M budget figures shown do not include COE Administrative costs.
- 2 Based on current estimates the total O&M expenditures over the life of this cash flow project will not exceed the 20 year budget of \$1,674,820.35
- 3 Funds were approved for 2011 and 2012 in a previous request

**Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration**

FEDERAL AGENCY: NMFS  
 CONSTRUCTION COMPLETED: 25-Aug-09

EXISTING OPERATION AND MAINTENANCE (O&M) BUDGET: 2,454,820.00  
 ESTIMATED O&M EXPENDITURES (as of 31-Aug-2010) 16,835.95  
 ESTIMATED UNEXPENDED O&M FUNDS: 2,437,984.05  
 REQUESTED O&M FUNDS FOR 2011 TO 2013

	Year 3	Year 4	Year 5
	2011	2012	2013
Annual Inspection	0	0	0
Federal S&A	\$1,169.38	\$4,276.68	\$1,219.01
Engineering & Design	0	0	0
<b>TOTAL</b>	<b>1169.38</b>	<b>4276.68</b>	<b>\$1,219.01</b>
 Total Budget 2011- 2013			 \$6,665.07

Notes:

- 1 The O&M budget figures shown do not include COE Administrative costs.
- 2 Based on current estimates the total O&M expenditures over the life of this cash flow project will not exceed the 20 year budget of \$3,074,331
- 3 State funds for this period have not yet been requested

## COASTWIDE NUTRIA CONTROL PROGRAM (LA-03B)

FEDERAL AGENCY: NRCS

	TOTAL	Construction	O & M	Post Const Monitoring	COE Mgt
<b>TASK FORCE APPROVED PHASE II BUDGET (YEARS 1-11)</b>	<b>\$26,446,504</b>	<b>\$1,682,839</b>	<b>23,614,473</b>	<b>1,140,052</b>	<b>9,140</b>
EXPENDED: PROGRAM YR 1 (2002-2003)	\$1,797,063	\$1,682,839		\$113,518	\$706
EXPENDED: PROGRAM YR 2 (2003-2004)	\$1,770,229		\$1,696,217	\$73,283	\$729
EXPENDED: PROGRAM YR 3 (2004-2005)	\$1,580,451		\$1,523,412	\$56,287	\$752
EXPENDED: PROGRAM YR 4 (2005-2006)	\$1,059,669		\$954,192	\$104,701	\$776
EXPENDED: PROGRAM YR 5 (2006-2007)	\$2,366,367		\$2,290,206	\$75,361	\$801
EXPENDED: PROGRAM YR 6 (2007-2008)	\$2,035,557		\$1,952,998	\$81,732	\$827
EXPENDED: PROGRAM YR 7 (2008-2009)	\$2,169,608		\$2,078,585	\$90,170	\$853
EXPENDED/ESTIMATED: PROGRAM YR 8 (2009-2010)	\$2,764,410		\$2,661,087	\$102,442	\$881
ESTIMATED: PROGRAM YR 9 (2010-2011)	\$3,392,664		\$3,256,755	\$135,000	\$909
ESTIMATED: PROGRAM YR 10 (2011-2012)	\$3,412,908		\$3,271,970	\$140,000	\$938
ESTIMATED: PROGRAM YR 11 (2012-2013)	\$3,425,903		\$3,284,935	\$140,000	\$968
<b>EXPENDED/ESTIMATED THRU PROGRAM YEAR 11</b>	<b>\$25,774,830</b>	<b>\$1,682,839</b>	<b>\$22,970,358</b>	<b>\$1,112,494</b>	<b>\$9,140</b>
<b>PROJECTED AVAILABLE BALANCE AFTER PROGRAM YEAR 11</b>	<b>\$671,674</b>	<b>\$0</b>	<b>\$644,115</b>	<b>\$27,558</b>	<b>\$0</b>
<b>ESTIMATED: PROGRAM YR 12 (2013-2014)</b>	<b>\$3,433,423</b>	<b>\$0</b>	<b>\$3,287,424</b>	<b>\$145,000</b>	<b>\$999</b>
<b>2010 OM&amp;M, MONITORING, and MGT REQUEST to Fund LA-03b THRU PROG. YR. 12</b>	<b>\$2,761,749</b>	<b>\$0</b>	<b>\$2,643,309</b>	<b>\$117,442</b>	<b>\$999</b>

	PROJECTED EXPENDITURES			
	Prog. Yr 9	Prog. Yr 10	Prog. Yr 11	Prog. Yr 12
	2010-11	2011-12	2012-13	2013-14
NRCS S&A <sup>1</sup>	\$22,702	\$22,788	\$27,974	\$26,970
DNR S&A <sup>1</sup>	\$34,053	\$34,182	\$41,961	\$40,454
DWF Activities				
Nutria Herbivory Survey	\$115,000	\$120,000	\$120,000	\$125,000
General O&M Activities <sup>2</sup>	\$600,000	\$615,000	\$615,000	\$620,000
Incentive Payments <sup>3</sup>	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000
Nutria Survey Report	\$20,000	\$20,000	\$20,000	\$20,000
Contingency <sup>3</sup>	\$600,000	\$600,000	\$600,000	\$600,000
COE Project Management	\$909	\$938	\$968	\$999
<b>TOTAL</b>	<b>\$3,392,664</b>	<b>\$3,412,908</b>	<b>\$3,425,903</b>	<b>\$3,433,423</b>

Note: the total amount requested thru Year 12 is \$29,208,253 as compared to the baseline estimate thru Year 12 of \$35,730,445.

<sup>1</sup> S&A from original project budget estimate

<sup>2</sup> General Activities include program management, tail collections, etc.

<sup>3</sup> Contingency would allow incentive payment and collection if harvest exceeds 400,000/year and cover other unforeseen costs

Coastwide Nutria Control Program (LA-03b)  
Compare Original (2002) Estimate vs 2009 Current Request Thru Program Year 12

**Numbers extracted from 2002 economic data sheet -- Fully funded costs page**

"Construction" = first cost, not including monitoring or COE

fed s&a	state s&a	contingency	construction	total	
18,900	88,350	472,500	1,890,000	2,469,750	
Prog Year	"Construction"	mon	o&m	coe	
1	2,469,750	125,129		706	2,595,585
2		118,813	2,378,237	729	2,497,780
3		122,615	2,389,061	752	2,512,428
4		126,539	2,400,231	776	2,527,546
5		130,588	2,411,758	801	2,543,148
6		146,472	2,949,550	827	3,096,849
7		139,080	2,945,931	853	3,085,864
8		143,530	2,958,601	881	3,103,012
9		148,123	2,971,677	909	3,120,708
10		152,863	2,985,170	938	3,138,971
11		171,456	3,648,861	968	3,821,285
12		162,803	3,523,467	999	3,687,268
total	2,469,750	1,688,012	31,562,544	10,140	<b>TOTAL</b> <b>35,730,445</b>

**After Upcoming 2010 Request, the current budget thru Program Year 12**

Prog Year	Construction	Post Const Monitoring	O & M	COE Mgt	
1	\$1,682,839	\$113,518		\$706	actual
2		\$73,283	\$1,696,217	\$729	actual
3		\$56,287	\$1,523,412	\$752	actual
4		\$104,701	\$954,192	\$776	actual
5		\$75,361	\$2,290,206	\$801	actual
6		\$81,732	\$1,952,998	\$827	actual
7		\$90,170	\$2,078,585	\$853	actual
8		\$102,442	\$2,661,087	\$881	year ending
9		\$135,000	\$3,256,755	\$909	current year b
10		\$140,000	\$3,271,970	\$938	1
11		\$140,000	\$3,284,935	\$968	2
12		\$145,000	\$3,287,424	\$999	3
total	\$1,682,839	\$1,257,494	\$26,257,781	\$10,139	<b>TOTAL</b> <b>\$29,208,253</b>

**PT AU FER CANAL PLUGS**

FEDERAL AGENCY:

NMFS

CONSTRUCTION COMPLETED:

8-May-97

EXISTING OPERATION AND MAINTENANCE (O&M) BUDGET: 3,084,491.00

ESTIMATED O&M EXPENDITURES (as of 31-Aug-2010) 737,004.35

ESTIMATED UNEXPENDED O&M FUNDS: 2,347,486.65

REQUESTED O&M FUNDS FOR 2011 TO 2013

	Year 14	Year 15	Year 16
	2011	2012	2013
Annual Insur	0	0	0
Federal S&C	0	0	\$2,205.00
Engineering	0	0	0
TOTAL	0	0	\$2,205.00

Total Budget 2011- 2013

\$2,205.00

Notes:

- 1 The O&M budget figures shown do not include COE Administrative costs.
- 2 Based on current estimates the total O&M expenditures over the life of this cash flow project will not exceed the 20 year budget of \$3,138,588.00
- 3 Funds were approved for 2011 and 2012 in a previous request

**Lake Chapeau Sediment Input and Hydrologic Restoration**

FEDERAL AGENCY: NMFS  
CONSTRUCTION COMPLETED: 18-May-99

EXISTING OPERATION AND MAINTENANCE (O&M) BUDGET: 790,422.00  
ESTIMATED O&M EXPENDITURES (as of 31-Aug-2010) 462,899.24  
ESTIMATED UNEXPENDED O&M FUNDS: 327,522.76  
REQUESTED O&M FUNDS FOR 2011 TO 2013

	Year 12	Year 13	Year 14
	2011	2012	2013
Annual Insr	0	0	0
Federal S&	0	0	\$2,319.00
Engineering	0	0	0
TOTAL	0	0	\$2,319.00

Total Budget 2011- 2013 \$2,319.00

Notes:

- 1 The O&M budget figures shown do not include COE Administrative costs.
- 2 Based on current estimates the total O&M expenditures over the life of this cash flow project will not exceed the 20 year budget of \$1,897,545.00
- 3 Funds were approved for 2011 and 2012 in a previous request

**Black Bayou Hydrologic Restoration**

FEDERAL AGENCY:

NMFS

CONSTRUCTION COMPLETED:

28-Jan-01

EXISTING OPERATION AND MAINTENANCE (O&M) BUDGET: 782,059.00  
ESTIMATED O&M EXPENDITURES (as of 31-Aug-2010) 528,445.94  
ESTIMATED UNEXPENDED O&M FUNDS: 253,613.06  
REQUESTED O&M FUNDS FOR 2011 TO 2013

	Year 10	Year 11	Year 12
	2011	2012	2013
Annual Inspection	0.00	0.00	0.00
Federal S&A	2,000.00	2,000.00	2,000.00
Engineering & Design	0.00	0.00	0.00
TOTAL	\$2,000.00	\$2,000.00	\$2,000.00

Total Budget 2011- 2013 \$6,000.00

Notes:

- 1 The O&M budget figures shown do not include COE Administrative costs.
- 2 Based on current estimates the total O&M expenditures over the life of this cash flow project will not exceed the 20 year budget of \$1,148,481.00
- 3 State funds were approved for 2011 in a previous request

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**REQUEST FOR CHANGE IN SCOPE AND CONSTRUCTION FUNDING FOR THE  
PPL 6 – NORTH LAKE BOUDREAUX FRESHWATER INTRODUCTION AND  
HYDROLOGIC MANAGEMENT PROJECT (TE-32A)**

**For Decision:**

The U.S. Fish and Wildlife Service and the State Coastal Protection and Restoration Authority, through the OCPR, request Task Force approval for a change in scope, and to request Phase II construction funding, for the North Lake Boudreaux project, to change the project features from benefitting 416 acres to 267 acres, and to increase the estimated fully funded project cost 110%, from \$12,289,133 to \$25,766,765.

## North Lake Boudreaux Basin Freshwater Introduction Project (TE-32a)

### Change in Project Scope Report to the Technical Committee

Revised October 5, 2010

The North Lake Boudreaux project was approved on PPL 6 in 1997 for a total fully funded cost of \$9,831,306. After completing the 95% design level, the Fish and Wildlife Service and State Office of Coastal Protection and Restoration have determined that project costs have exceeded 125 percent of the original Phase 0 budget.

Project design and features have remained largely unchanged. The costs increases are related primarily to inflationary cost increases during the 13 years of land rights acquisition and design work (including post Rita-Katrina cost increases). Additional cost increases occurred due the inclusion of project specific monitoring, and the increased costs associated with O&M. Estimated project benefits have also decreased due largely to the use of the NSED2 model, which was not available when the initial benefit estimates were made.

Costs estimates from the 95% design effort have been submitted to the Engineering Work Group and approved and fully funded.

**Table 1: Original vs. Current Cost Effectiveness.**

	<b>Original Phase I Project</b>	<b>Revised Project*</b>
Fully-funded Cost	\$12,289,133	25,766,765 (+110 %)
Net Acres Year 20	416	266 (-36 %)
AAHU's	900	595 (-34%)

\* Assumes that CWPPRA provides 21.4% of the forced drainage system costs.

**North Lake Boudreaux Basin Freshwater Introduction Project (TE-32a)**  
**Phase II Authorization Request Information**  
October 5, 2010

**Phase I Project Description**

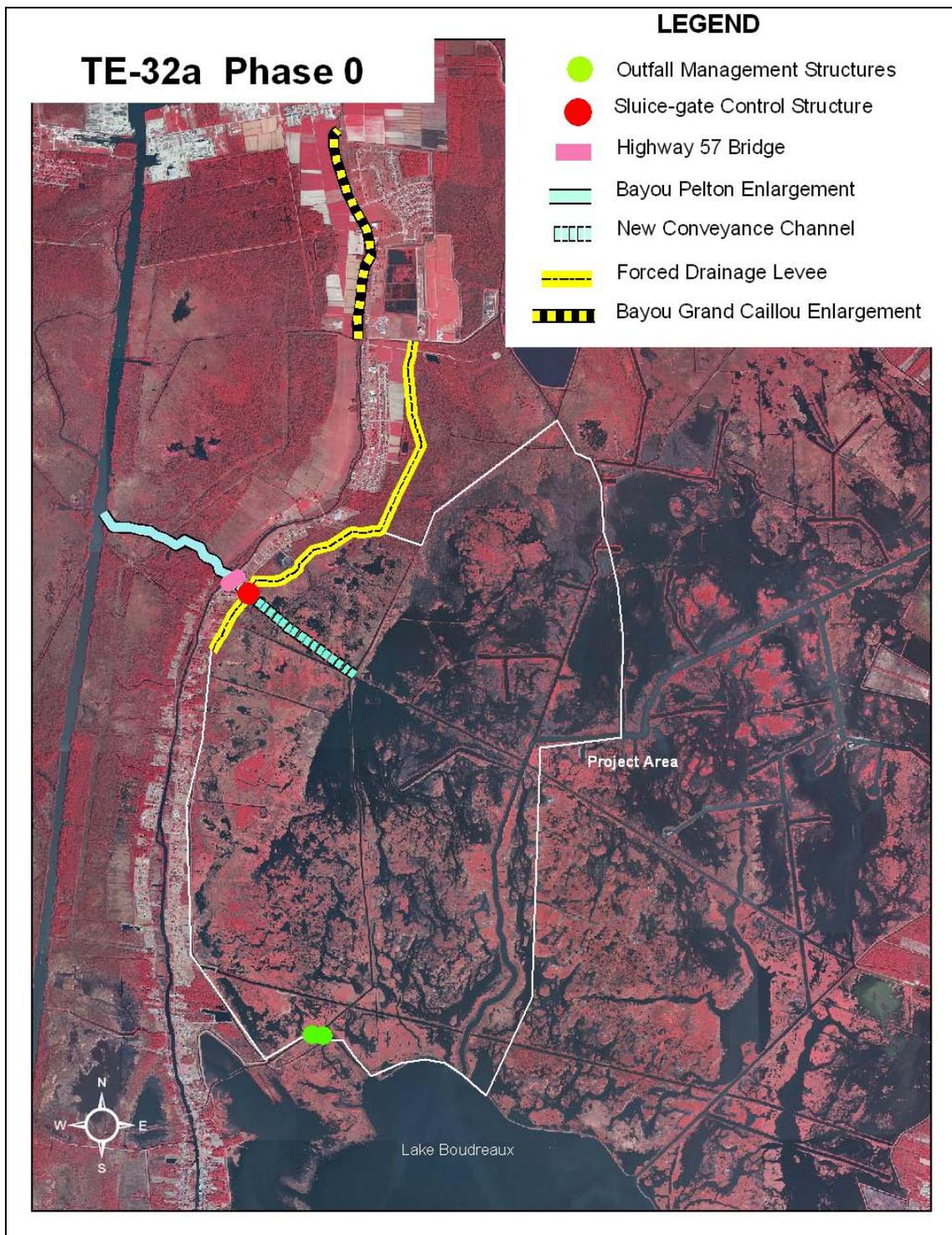
The project was approved by the Task Force on April 27, 1997, as part of PPL6. The project's goals are to reduce project area wetland loss rates through the seasonal introduction of freshwater, nutrients, and suspended sediments from the Houma Navigation Canal (HNC). Atchafalaya River freshwater is available in the GIWW and much of the HNC during periods of high to moderate Atchafalaya River stages. Because there are no existing channels connecting those freshwater sources with the rapidly deteriorating north Lake Boudreaux Basin marshes, the proposed project would establish such a connection to benefit north Lake Boudreaux Basin marshes.

Prior to authorization, two conceptual alternatives for delivering freshwater were evaluated (Bayou Pelton and St. Louis Canal). Based on a preliminary hydrology assessment, the Bayou Pelton alternative would introduce more freshwater. The Bayou Pelton alternative was also determined to be the least costly alternative. This alternative would require enlargement of Bayou Pelton and the construction of new conveyance channel to move freshwater from the HNC to the north Lake Boudreaux Basin marshes. This alternative was authorized as a candidate project on PPL6.

The original project features (Figure 1) included; 1) enlargement of 6,700' of Bayou Pelton to 80' wide by 8' deep, 2) dredging 3,200' of conveyance channel 80' wide by 8' deep, from Bayou Grand Caillou eastward to the pipeline canals intersection, 3) construction of a bridge on Louisiana Highway 57 over the new conveyance channel, 4) construction of one gated water control structure to regulate water flow through the new conveyance channel, 5) construction of 2 outfall management structures in the receiving area marshes, 6) installation of a 3 flapgated water control structures along Bayou Pelton to protect adjoining swamps and wetlands against occasional saltwater intrusion events, 7) maintenance dredging of Bayou Grand Caillou north of St. Louis Canal, and 8) construction of forced drainage levees from St. Louis Canal to Canebrake Subdivision to protect developed properties along Bayou Grand Caillou from project-induced stage increases.

According to the Phase 0 Environmental Work Group evaluation, the project would prevent the loss of 619 acres of marsh over the 20-year project life within the 7,222 acre freshwater receiving area project and would generate 422 AAHUs. The initial fully funded project cost estimate (100% funding level) was \$9,831,306.

**Figure 1: Conceptual features of the North Lake Boudreaux Basin Freshwater Introduction Project.**



## Overview of Phase I Tasks, Process and Issues

The following tasks were completed during Phase I engineering and design: 1) Cost Share Agreement executed between FWS and DNR; 2) Feasibility Study conducted by Gulf Engineers & Consultants (GEC), was completed in 2001; 3) Hydrodynamic modeling simulation completed; 4) Conceptual Design Report completed by T. Baker Smith, Inc., in 2002; 5) Elevation Surveys completed; 6); Geotechnical investigation of project features and fill areas, 7) Obtained landrights for conveyance channel construction; 8) Conducted a revised Wetland Value Assessment completed in 2008; (WVA); 9) Conducted 30% design review; 10) Obtained a cultural resources clearance; 11) Completed 95% design review; 12) Obtained an NRCS Overgrazing Determination; 13) Completed a final Wetland Value Assessment (WVA) in Sept. 2010; 14) A Hazardous waste (HTRW) screening completed; 15) Draft Environmental Assessment has been prepared; 16) Final fully funded cost estimate is being prepared; and, 17) Section 303(e) review application submitted, May 2010; The details of those E&D tasks were presented and discussed at the 30% and 95% Design Review meetings.

During E&D, the following changes in the conceptual project plans were made:

1. Dimensions of Bayou Pelton and the new conveyance channel were enlarged to increase the volume of introduced freshwater and the associated wetland benefits.
2. The length of the north forced drainage levee was reduced. Instead of extending that levee northward to St. Louis Canal, it was determined that it need extend only to the existing oil-field aggregate road as that road is a hydrologic barrier precluding project effects north of that road.
3. To ensure the understanding that the forced drainage features were project features, it was decided that their design, and the permitting of those features, should be conducted together with the freshwater introduction features (rather than letting the parish do that separately).
4. The design of the primary water control structure was changed from a tainter gate structure located near Louisiana Highway 57, to a series of large concrete box culverts under the highway, thereby saving the expense associated with construction of a highway bridge over the new conveyance channel.
5. The small water control structures along Bayou Pelton were dropped from the project as it was determined that the proposed enlargement of Bayou Pelton would not significantly increase the saltwater intrusion opportunities into adjoining swamps and marshes and because the existing marshes were closing in despite the occurrence of infrequent short-term saltwater intrusion events.
6. The proposed enlargement of upper Bayou Grand Caillou (between the Ashland Pump Station and the St. Louis Canal) was dropped from the project as it was determined that the existing flooding problem along that reach of bayou was due to the congested nature of the bayou and that implementation of the proposed project would not impact the flooding of low-lying fields adjoining the bayou when the Ashland pump station is operated.
7. The forced drainage systems needed to prevent project-induced flooding of developed properties adjoining the receiving area were removed as project features. It was agreed

that Terrebonne Parish will design, permit, and construct those features. Since the CWPPRA project does not need to construct a levee to the Parish's +8.0 foot NAVD88 standard, it was decided that the fair CWPPRA share would be 1.5/7 (21.4%) of the funding needed to construct the forced drainage systems (total costs = \$6,879,417) or 21.4% of those costs (\$1,472,195). Likewise, CWPPRA would assume 21.4% of the wetland impacts associated with the construction of those systems (7.53 acres of marsh).

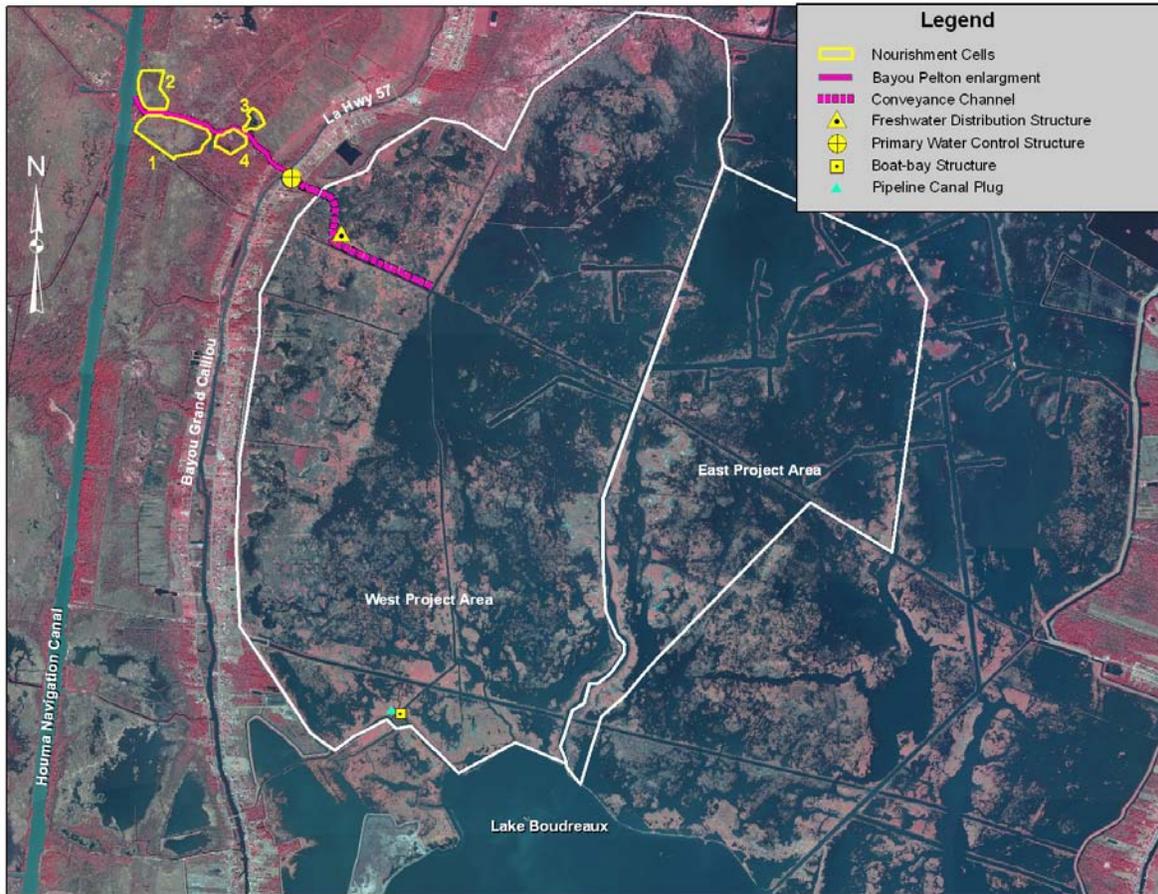
## **Description of the Current Phase II Project**

Project features (at 95% design) include the following (Figure 2):

1. Enlarge Bayou Pelton to approximately 120' wide (top width) by 10' deep to bring fresh water from the HNC to the proposed conveyance channel. Spoil will be placed in 4 adjoining wetland nourishment cells.
2. Construct a conveyance channel (approximately 100' wide by 8' deep) from Bayou Grand Caillou to the east/west running Gulf South Pipeline Canal located north of Lake Boudreaux. Continuous spoil banks will be constructed on both sides of this channel.
3. At Highway 57, install the Primary Water Control Structure in the conveyance channel to prevent freshwater backflow or saltwater introduction into the project area from the HNC. This structure, consisting of six 10ft by 10ft concrete box culverts, will be mechanized to open and close automatically to admit fresh water when available.
4. Rebuild Highway 57 on top of the main control structure (no bridge needed).
5. Install a boat bay structure (24-ft-wide by 2-ft-deep) on the wash-around channel connecting the north/south Gulf South Pipeline Canal with Bayou Butler. This structure will help to direct freshwater flows eastward toward Bayou Chauvin.
6. Repair/install an earthen plug on the north-shore pipeline canal at Bayou Butler to ensure proper functioning of the Bayou Butler boat bay structure.
7. Install an 8-ft-wide by 2.5-ft-deep variable-crest weir in the north conveyance channel spoil bank to discharge fresh water northward via a large trenasse, into the degraded swamps north of the conveyance. A 200-foot-long section of trenasse immediately north of this control structure will be cleaned out to achieve the desired northward freshwater introduction into the degraded cypress swamps.

Based on HNC salinity records, the project would introduce freshwater into the north Lake Boudreaux Basin for approximately 8 months of the year. Freshwater introduction flows would average approximately 408 cubic feet per second (cfs), but may peak at over 1,000 cfs during periods of high Atchafalaya River stages.

**Figure 2. Map of project features.**



## **Project Costs and Expenditures**

Presented below are the initially authorized costs and the current 95% design level fully funded costs. The current 95% design cost estimate has increased considerably due to inflation over the lengthy Phase I period (which included the Katrina/Rita effect), plus the decision to include project specific monitoring, and the costs associated with O&M.

Table 1. Initial costs, and the current fully funded costs.

REQUEST FOR PHASE II APPROVAL

PROJECT: Lake Boudreaux Basin FW Introduction  
 PPL: 6 Project No. TE-32a  
 Agency: FWS

Phase I Approval Date: 24-Apr-97  
 Phase II Approval Date: Oct 2010 [Proposed] Const Start: May-11

	Original Approved Baseline (100% Level) (Col 1 + Col 2)	Current Approved Estimate (125% Level) (Col 3 + Col 4)	Revised Current Recommended Estimate (Col 5 + Col 6)	ORIGINAL BASELINE		CURRENT ESTIMATE		RECOMMENDED PH I + PH 2 ESTIMATE		
				Original Baseline Phase I (100% Level) 1/	Original Baseline Phase II (100% Level) 2/	Current Approved Phase I 3/	Current Approved Phase II 4/	Recommended Current Phase I (100% Level) 5/	Recommended Current Phase II (100% Level) 6/	Recommended Current Phase II Incr 1 (100% Level) 7/
Engr & Des	503,329	1,454,618	1,555,417	503,329		1,454,618		1,555,417		
Lands	123,240	140,314	655,824	123,240		140,314		152,616	503,208	503,208
Fed S&A	212,725	110,000	381,556	212,725		110,000		137,500	244,056	244,056
LDNR S&A	122,062	241,927	538,777	122,062		241,927		272,743	266,034	266,034
COE Proj Mgmt	-	-	-							
Phase I	14,498	14,498	14,498	14,498		14,498		14,498		
Ph II Const Phase	-	-	2,058						2,058	2,058
Ph II Long Term	-	-	31,188						31,188	3,839
Const Contract	4,302,497	5,453,945	11,979,896		4,302,497		5,453,945		11,979,896	11,979,896
Const S&I	75,824	-	513,393		75,824				513,393	513,393
Contingency	1,075,624	769,750	2,994,974		1,075,624		769,750		2,994,974	2,994,974
Monitoring	-	-	-							
Phase I	855,145	858,657	858,657	855,145		858,657		858,657		
Ph II Const Phase	-	-	33,363						33,363	33,363
Ph II Long Term	-	-	916,403						916,403	90,547
O&M - State	2,546,363	3,245,424	5,164,706	2,546,363			3,245,424		5,164,706	413,855
O&M - Fed	-	-	126,055						126,055	11,498
<b>Total</b>	<b>9,831,307</b>	<b>12,289,133</b>	<b>25,766,765</b>	<b>4,377,362</b>	<b>5,453,945</b>	<b>2,820,014</b>	<b>9,469,119</b>	<b>2,991,431</b>	<b>22,775,334</b>	<b>17,056,721</b>
<b>Total Project</b>					<b>9,831,306</b>		<b>12,289,133</b>		<b>25,766,765</b>	
Current Estimate Compared to Original		125%								

Funding in Hand	12,289,133		
Funding Requested	20,048,152	2,991,431	17,056,721
Estimate Increase	13,477,632		
Funding Request	7,759,019		

Prepared By: Gay Date Prepared: 5-Oct-10

**Checklist of Phase II Request Requirements**  
*(For Non Cash-Flow Projects)*

**North Lake Boudreaux Basin Freshwater Introduction Project (TE-32a)**

**A. Statement of Project Goals**

Seasonally introduce freshwater into the north Lake Boudreaux Basin marshes to reduce the currently high rates of marsh loss within that area.

**B. List of Project Objectives/Strategies**

1. Construct/enlarge channels to gravity flow up to 800 cfs of Atchafalaya River freshwater into the receiving area marshes.
2. Construct and operate a mechanized primary water control structure that would preclude introduction of brackish water and to prevent backflow of freshwater out of the Lake Boudreaux Basin.
3. Construct 2 outfall management structures to improve the distribution of introduced freshwater and to minimize short-circuiting of introduced freshwater to Lake Boudreaux via the north-south pipeline canal.

The goals and objectives will be achieved by project features illustrated in Figure 2.

**C. Section 303(e) Certification from the Corps of Engineers.**

A 303(e) Certification request was submitted May 27, 2010. Certification is expected during the week of Sept. 18, 2010.

**D. Overgrazing determination statement.**

Obtained statement from NRCS on June 21, 2010.

**E. Fully funded cost estimate approved by the Economic Work Group.**

\$ 25,766,765

**F. Revised WVA reviewed and approved by the Environmental Work Group.**

Benefits have been approved by the Work Group and Chairman, but discovery of several small errors have resulted in slightly higher impact estimates for the forced drainage system impacts, compared to the approved impact estimates. Because CWPPRA will assume 21.4% of the forced drainage impacts, the total CWPPRA benefits are now greater than the benefits approved earlier, in which it was assumed that CWPPRA would cover all forced drainage impacts. See Table 2.

Table 2. CWPPRA benefits (including 1/7<sup>th</sup> of forced drainage impacts).

<b>CWPPRA Benefit/Impact Area</b>	<b>Hardwoods Net AAHUs</b>	<b>Hardwoods Net TY20 Acres</b>	<b>Marsh Net AAHUs</b>	<b>Marsh Net TY20 Acres</b>
Receiving Area Marshes				
West Subarea			480.33	242.51
East Subarea			121.10	34.00
Bayou Pelton Marshes			-3.96	-8.20
Bayou Pelton Bottomland Hardwoods	-0.63	-1.51		
Bayou Pelton Nourishment Cells Marshes			1.05	3.29
Bayou Pelton Nourishment Cells Hardwoods	1.11	0.00		
<b>TOTAL</b>	<b>0.48</b>	<b>-1.51</b>	<b>598.51</b>	<b>271.60</b>

<b>Forced Drainage Impacts</b>	<b>Hardwoods Net AAHUs</b>	<b>Hardwoods Net TY20 Acres</b>	<b>Marsh Net AAHUs</b>	<b>Marsh Net TY20 Acres</b>
North Forced Drainage Area Marshes			-9.02	-19.97
North Forced Drainage Area Hardwoods	0.73	11.88		
South Forced Drainage Area Marshes			-9.45	-15.23
South Forced Drainage Area Hardwoods	0.31	2.41		
<b>TOTAL</b>	<b>1.04</b>	<b>14.28</b>	<b>-18.47</b>	<b>-35.19</b>
<b>Parish obligation</b>	<b>0.82</b>	<b>11.22</b>	<b>-14.52</b>	<b>-27.66</b>
<b>21.4% CWPPRA obligation</b>	<b>0.22</b>	<b>3.06</b>	<b>-3.95</b>	<b>-7.53</b>

<b>CWPPRA Benefits including Forced Drainage Impacts</b>	<b>Hardwood Net AAHUs</b>	<b>Hardwoods Net TY20 Acres</b>	<b>Marsh Net AAHUs</b>	<b>Marsh Net TY20 Acres</b>
<b>TOTAL CWPPRA Benefits</b>	<b>0.70</b>	<b>1.55</b>	<b>594.55</b>	<b>264.07</b>

<b>TOTAL CWPPRA AAHUs</b>	<b>595.26</b>
<b>TOTAL CWPPRA Acres</b>	<b>265.61</b>

**G. Statement that the Cost-Sharing Agreement between the lead agency and local sponsor has been executed .**

A Cost Share Agreement between LDNR and FWS was executed on October 22, 1998.

**H. Statement regarding preparation of a draft Environmental Assessment.**

The FWS has prepared a draft EA and plans to submit it for public review during October 2010.

**I. HRTW assessment.**

HTRW assessments have been completed for project features. No HTRW problems detected.

Table 2: Comparison of Original and Revised Wetland Value Assessments

Project Phase	Net Acres	Average Annual Habitat Units (AAHUs)
Candidate Project	619	422
Phase II Revised Project	266	595
Difference	353 (-57%)	+173 (41%)

**Phase II Request**

Based on the above information, the FWS and OCPR hereby request CWPPRA Task Force Phase II funding approval for the North Lake Boudreaux Basin Freshwater Introduction Project in the 3-year incremental amount of \$20,048,152. This will require \$7,759,019 in funding above that previously approved (when authorized as a PPL6 non cash flow project).

**Coastal Wetlands Conservation and Restoration Plan  
 Lake Boudreaux Basin FW Introduction (TE-32a)  
 PPL 6**

Project Construction Years:	0	Total Project Years	20
Interest Rate	4.375%	Amortization Factor	0.07605
Fully Funded First Costs	\$19,528,413	Total Fully Funded Costs	\$25,766,765

	<u>Present Worth</u>	<u>Average Annual</u>
Total Charges		
First Costs	\$18,943,099	\$1,440,542
Monitoring	\$501,089	\$38,106
State O & M Costs	\$2,939,382	\$223,527
Other Federal Costs	<u>\$89,103</u>	<u>\$6,776</u>
Average Annual Cost	\$1,708,951	\$1,708,951
Average Annual Habitat Units	0	
Cost Per Habitat Unit	#DIV/0!	
Total Net Acres	0	

**Coastal Wetlands Conservation and Restoration Plan  
Lake Boudreaux Basin FW Introduction (TE-32a)**

**Project Costs** \$25,766,765

**PPL 6**

Year	Fiscal Year	E&D	Land Rights	Federal S&A	LDNR S&A	Corps Admin	Monitoring	S&I	Contingency	Construction Costs	Total First Cost
<b>Phase I</b>											
16	1997	\$34,541	\$5,245	\$8,981	\$9,790	\$590	\$31,802	-	\$0	\$0	\$90,949
15	1998	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
14	1999	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
13	2000	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
12	2001	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
11	2002	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
10	2003	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
9	2004	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
8	2005	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
7	2006	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
6	2007	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
5	2008	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
4	2009	\$69,082	\$10,489	\$17,963	\$19,581	\$1,180	\$63,604	-	\$0	\$0	\$181,899
3	2010	\$69,077	\$10,490	\$17,963	\$19,576	\$1,175	\$63,607	-	\$0	\$0	\$181,888
	<b>TOTAL</b>	\$932,602	\$141,603	\$242,500	\$264,338	\$15,925	\$858,657	\$0	\$0	\$0	\$2,455,625
<b>Phase II</b>											
2	2011	-	\$208,333	\$101,042	\$110,141	\$510	\$33,363	\$212,550	\$1,239,949	\$4,959,798	\$6,865,686
1	2012	-	\$291,667	\$141,458	\$154,197	\$1,531	\$0	\$297,570	\$1,735,929	\$6,943,717	\$9,566,069
0	2013	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-1	2014	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-2	2015	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>TOTAL</b>	\$0	\$500,000	\$242,500	\$264,338	\$2,041	\$33,363	\$510,120	\$2,975,879	\$11,903,515	\$16,431,755
<b>Total First Costs</b>		\$932,602	\$641,603	\$485,000	\$528,675	\$17,966	\$892,020	\$510,120	\$2,975,879	\$11,903,515	\$18,887,380

Year	FY	Monitoring	O&M & State Insp.	Corps Admin	Fed S&A & Insp
0 Discount	2013	\$34,940	\$120,250	\$1,225	\$3,315
-1 Discount	2014	\$25,940	\$113,100	\$1,225	\$3,100
-2 Discount	2015	\$25,940	\$162,076	\$1,225	\$4,570
-3 Discount	2016	\$36,940	\$113,100	\$1,225	\$3,100
-4 Discount	2017	\$25,940	\$166,660	\$1,225	\$4,707
-5 Discount	2018	\$59,303	\$113,100	\$1,225	\$3,100
-6 Discount	2019	\$36,940	\$133,900	\$1,225	\$3,724
-7 Discount	2020	\$25,940	\$113,100	\$1,225	\$3,100
-8 Discount	2021	\$25,940	\$113,100	\$1,225	\$3,100
-9 Discount	2022	\$36,940	\$1,924,939	\$1,225	\$39,337
-10 Discount	2023	\$34,940	\$113,100	\$1,225	\$3,100
-11 Discount	2024	\$59,303	\$113,100	\$1,225	\$3,100
-12 Discount	2025	\$36,940	\$113,100	\$1,225	\$3,100
-13 Discount	2026	\$25,940	\$133,900	\$1,225	\$3,724
-14 Discount	2027	\$59,303	\$166,660	\$1,225	\$4,707
-15 Discount	2028	\$36,940	\$113,100	\$1,225	\$3,100
-16 Discount	2029	\$25,940	\$113,100	\$1,225	\$3,100
-17 Discount	2030	\$59,303	\$113,100	\$1,225	\$3,100
-18 Discount	2031	\$36,940	\$113,100	\$1,225	\$3,100
-19 Discount	2032	\$36,940	\$113,100	\$2,245	\$3,100
<b>Total</b>		\$747,252	\$4,278,684	\$25,520	\$104,384

**Coastal Wetlands Conservation and Restoration Plan  
Lake Boudreaux Basin FW Introduction (TE-32a)**

**PPL 6**

<b>Present Valued Costs</b>		<b>Total Discounted Costs</b>			<b>\$22,472,673</b>		<b>Amortized Costs</b>				<b>\$1,708,951</b>	
<b>Year</b>	<b>Fiscal Year</b>	<b>E&amp;D</b>	<b>Land Rights</b>	<b>Federal S&amp;A</b>	<b>LDNR S&amp;A</b>	<b>Corps Admin</b>	<b>Monitoring</b>	<b>S&amp;I</b>	<b>Contingency</b>	<b>Construction Costs</b>	<b>Total First Cost</b>	
<b>Phase I</b>												
16	1.984	1997	\$68,530	\$10,406	\$17,818	\$19,423	\$1,171	\$171,731	\$0	\$0	\$0	\$180,444
15	1.901	1998	\$131,314	\$19,938	\$34,145	\$37,220	\$2,243	\$171,731	\$0	\$0	\$0	\$345,762
14	1.821	1999	\$125,810	\$19,102	\$32,714	\$35,660	\$2,149	\$171,731	\$0	\$0	\$0	\$331,269
13	1.745	2000	\$120,537	\$18,302	\$31,342	\$34,166	\$2,059	\$171,732	\$0	\$0	\$0	\$317,384
12	1.672	2001	\$115,484	\$17,534	\$30,029	\$32,734	\$1,973	\$171,732	\$0	\$0	\$0	\$304,080
<b>Total</b>			<b>\$561,675</b>	<b>\$85,282</b>	<b>\$146,048</b>	<b>\$159,203</b>	<b>\$9,594</b>	<b>\$858,657</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,478,939</b>
<b>Phase II</b>												
2	1.089	2011	\$0	\$226,961	\$110,076	\$119,989	\$556	\$36,346	\$231,555	\$1,350,818	\$5,403,274	\$7,479,575
1	1.044	2012	\$0	\$304,427	\$147,647	\$160,943	\$1,598	\$0	\$310,589	\$1,811,876	\$7,247,505	\$9,984,584
0	1.000	2013	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-1	0.958	2014	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-2	0.918	2015	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>			<b>\$0</b>	<b>\$531,388</b>	<b>\$257,723</b>	<b>\$280,932</b>	<b>\$2,154</b>	<b>\$36,346</b>	<b>\$542,144</b>	<b>\$3,162,695</b>	<b>\$12,650,778</b>	<b>\$17,464,160</b>
<b>Total First Cost</b>			<b>\$561,675</b>	<b>\$616,671</b>	<b>\$403,772</b>	<b>\$440,135</b>	<b>\$11,748</b>	<b>\$895,003</b>	<b>\$542,144</b>	<b>\$3,162,695</b>	<b>\$12,650,778</b>	<b>\$18,943,099</b>
<b>Year</b>	<b>FY</b>	<b>Monitoring</b>	<b>O&amp;M &amp; State Insp.</b>	<b>Corps Admin</b>	<b>Fed S&amp;A &amp; Insp</b>							
0	1.000	2013	\$34,940	\$120,250	\$1,225	\$3,315						
-1	0.958	2014	\$24,853	\$108,359	\$1,174	\$2,970						
-2	0.918	2015	\$23,811	\$148,773	\$1,124	\$4,195						
-3	0.879	2016	\$32,487	\$99,466	\$1,077	\$2,726						
-4	0.843	2017	\$21,857	\$140,425	\$1,032	\$3,966						
-5	0.807	2018	\$47,873	\$91,302	\$989	\$2,503						
-6	0.773	2019	\$28,571	\$103,562	\$947	\$2,880						
-7	0.741	2020	\$19,222	\$83,808	\$908	\$2,297						
-8	0.710	2021	\$18,416	\$80,295	\$870	\$2,201						
-9	0.680	2022	\$25,126	\$1,309,328	\$833	\$26,757						
-10	0.652	2023	\$22,770	\$73,705	\$798	\$2,020						
-11	0.624	2024	\$37,027	\$70,616	\$765	\$1,936						
-12	0.598	2025	\$22,097	\$67,656	\$733	\$1,854						
-13	0.573	2026	\$14,867	\$76,741	\$702	\$2,134						
-14	0.549	2027	\$32,563	\$91,513	\$673	\$2,585						
-15	0.526	2028	\$19,433	\$59,500	\$644	\$1,631						
-16	0.504	2029	\$13,075	\$57,006	\$617	\$1,562						
-17	0.483	2030	\$28,638	\$54,616	\$592	\$1,497						
-18	0.463	2031	\$17,091	\$52,327	\$567	\$1,434						
-19	0.443	2032	\$16,374	\$50,134	\$995	\$1,374						
<b>Total</b>			<b>\$501,089</b>	<b>\$2,939,382</b>	<b>\$17,266</b>	<b>\$71,837</b>						

**Coastal Wetlands Conservation and Restoration Plan  
Lake Boudreaux Basin FW Introduction (TE-32a)**

**PPL 6**

**Fully Funded Costs**      Total Fully Funded Costs      \$25,766,765      Amortized Costs      \$1,959,452

Year	Fiscal Year	E&D	Land Rights	Federal S&A	LDNR S&A	Corps Admin	Monitoring	S&I	Contingency	Construction Costs	Total First Cost	
<b>Phase I</b>												
16	0.645	1997	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
15	0.659	1998	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
14	0.668	1999	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
13	0.679	2000	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
12	0.694	2001	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
11	0.703	2002	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
10	0.723	2003	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
9	0.740	2004	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
8	0.798	2005	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
7	0.850	2006	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
6	0.896	2007	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
5	0.940	2008	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
4	1.000	2009	\$107,530	\$10,901	\$9,821	\$19,482	\$1,036	\$61,333	\$0	\$0	\$210,103	
3	0.981	2010	\$157,527	\$10,903	\$9,827	\$19,477	\$1,030	\$61,328	\$0	\$0	\$260,092	
		<b>TOTAL</b>	<b>\$1,555,417</b>	<b>\$152,616</b>	<b>\$137,500</b>	<b>\$272,743</b>	<b>\$14,498</b>	<b>\$858,657</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,991,431</b>	
<b>Phase II</b>												
2	1.000	2011	\$0	\$208,333	\$101,042	\$110,141	\$510	\$33,363	\$212,550	\$1,239,949	\$4,959,798	\$6,865,686
1	1.011	2012	\$0	\$294,875	\$143,014	\$155,893	\$1,547	\$0	\$300,843	\$1,755,024	\$7,020,098	\$9,671,296
0	1.027	2013	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-1	1.045	2014	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-2	1.062	2015	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		<b>TOTAL</b>	<b>\$0</b>	<b>\$503,208</b>	<b>\$244,056</b>	<b>\$266,034</b>	<b>\$2,058</b>	<b>\$33,363</b>	<b>\$513,393</b>	<b>\$2,994,974</b>	<b>\$11,979,896</b>	<b>\$16,536,982</b>
<b>Total Cost</b>			<b>\$1,555,417</b>	<b>\$655,824</b>	<b>\$381,556</b>	<b>\$538,777</b>	<b>\$16,556</b>	<b>\$892,020</b>	<b>\$513,393</b>	<b>\$2,994,974</b>	<b>\$11,979,896</b>	<b>\$19,528,413</b>

Year	FY	Monitoring	O&M & State Insp.	Corps Admin	Fed S&A & Insp	
0	1.0272	2013	\$35,890	\$123,518	\$1,258	\$3,405
-1	1.0446	2014	\$27,098	\$118,149	\$1,280	\$3,238
-2	1.0624	2015	\$27,559	\$172,188	\$1,301	\$4,855
-3	1.0805	2016	\$39,912	\$122,200	\$1,324	\$3,349
-4	1.0988	2017	\$28,504	\$183,130	\$1,346	\$5,172
-5	1.1186	2018	\$66,337	\$126,514	\$1,370	\$3,468
-6	1.1387	2019	\$42,065	\$152,477	\$1,395	\$4,241
-7	1.1592	2020	\$30,071	\$131,110	\$1,420	\$3,594
-8	1.1801	2021	\$30,612	\$133,470	\$1,446	\$3,658
-9	1.2013	2022	\$44,378	\$2,312,514	\$1,472	\$47,257
-10	1.2230	2023	\$42,731	\$138,318	\$1,498	\$3,791
-11	1.2450	2024	\$73,831	\$140,807	\$1,525	\$3,859
-12	1.2674	2025	\$46,817	\$143,342	\$1,553	\$3,929
-13	1.2902	2026	\$33,468	\$172,758	\$1,581	\$4,805
-14	1.3134	2027	\$77,890	\$218,896	\$1,609	\$6,182
-15	1.3371	2028	\$49,391	\$151,223	\$1,638	\$4,145
-16	1.3611	2029	\$35,308	\$153,945	\$1,667	\$4,220
-17	1.3856	2030	\$82,172	\$156,716	\$1,697	\$4,295
-18	1.3856	2031	\$51,185	\$156,716	\$1,697	\$4,295
-19	1.3856	2032	\$51,185	\$156,716	\$3,111	\$4,295
	<b>Total</b>		<b>\$916,403</b>	<b>\$5,164,706</b>	<b>\$31,188</b>	<b>\$126,055</b>



**O&M Data**

**Annual Costs**

	<b>Federal</b>	<b>State</b>	
Annual Inspections	\$3,100	\$3,100	\$6,200
Annual Cost for Operations	\$0	\$110,000	\$110,000
Preventive Maintenance	\$0	\$0	\$0
0			\$0

**Specific Intermittent Costs:**

<b>Construction Items</b>	<b>Year 1</b>	<b>Year 3</b>	<b>Year 5</b>	<b>Year 7</b>	<b>Year 10</b>	<b>Year 14</b>	<b>Year 15</b>
Lawn Equipment - purchase	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0
Manual gate opening device - purchase	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0
PWCS box culvert inspection, repair, cleaning	\$0	\$0	\$31,200	\$0	\$31,200	\$0	\$31,200
Computer/Instrumentation upgrades	\$0	\$0	\$10,000	\$0	\$10,000	\$0	\$10,000
Channel surveys (6-day survey)	\$0	\$0	\$0	\$16,000	\$0	\$16,000	\$0
dike gapping at TY3 - mob/demob	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0
dike gapping at TY3 - 10 gaps at 50LF @ 10cy/lf	\$0	\$16,250	\$0	\$0	\$0	\$0	\$0
Channel dredging -hydraulic	\$0	\$0	\$0	\$0	\$720,000	\$0	\$0
Channel dredging - bucket	\$0	\$0	\$0	\$0	\$260,000	\$0	\$0
dredging mob/demob	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0
containment dikes	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0
<b>Subtotal</b>	<b>\$5,500</b>	<b>\$31,250</b>	<b>\$41,200</b>	<b>\$16,000</b>	<b>\$1,271,200</b>	<b>\$16,000</b>	<b>\$41,200</b>
<b>Subtotal w/ 25% contin.</b>	<b>\$6,875</b>	<b>\$39,063</b>	<b>\$51,500</b>	<b>\$20,000</b>	<b>\$1,589,000</b>	<b>\$20,000</b>	<b>\$51,500</b>

**Engineer, Design & Administrative Costs**

Engineering and Design Cost	\$0	\$2,344	\$0	\$0	\$95,340	\$0	\$0
Administrative Cost	\$275	\$1,563	\$2,060	\$800	\$63,560	\$800	\$2,060
Engineering Monitoring	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Eng Survey 4.42 days @ \$3,606 per day	\$0	\$0	\$0	\$0	\$15,939	\$0	\$0
1 days @ \$3,606 per day	\$0	\$3,606	\$0	\$0	\$0	\$0	\$0
Construction 800 days @ \$60 per day	\$0	\$0	\$0	\$0	\$48,000	\$0	\$0
40 days @ \$60 per day	\$0	\$2,400	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$275</b>	<b>\$9,912</b>	<b>\$2,060</b>	<b>\$800</b>	<b>\$222,839</b>	<b>\$800</b>	<b>\$2,060</b>

**Federal S&A**

Administrative Cost	\$215	\$1,470	\$1,607	\$624	\$36,237	\$624	\$1,607
	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$215</b>	<b>\$1,470</b>	<b>\$1,607</b>	<b>\$624</b>	<b>\$36,237</b>	<b>\$624</b>	<b>\$1,607</b>
<b>Total</b>	<b>\$7,365</b>	<b>\$50,445</b>	<b>\$55,167</b>	<b>\$21,424</b>	<b>\$1,848,076</b>	<b>\$21,424</b>	<b>\$55,167</b>

**Annual Project Costs:**

Corps Administration	\$1,225	annually, plus	\$1,020	in year 20
Monitoring	\$8,940			

**Construction Schedule:**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Plan & Design Start	April-97	6	12	12	12	12	12	12	12	12
Plan & Design End	October-10									
Const. Start	May-11									
Const. End	May-12	0	0	0	0	0	0	0	0	0



0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>State Costs</b>																	
State Annual Inspection	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100
Annual Cost for Operations	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000
Preventive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E & D Cost	95,340	-	-	2,344	-	-	-	-	-	-	95,340	-	-	-	-	-	-
Administrative Cost	275	275	-	1,563	-	2,060	-	800	-	-	63,560	-	-	-	800	2,060	-
Eng. Survey	15,939	-	-	3,606	-	-	-	-	-	-	15,939	-	-	-	-	-	-
Inspection	48,000	-	-	2,400	-	-	-	-	-	-	48,000	-	-	-	-	-	-
Engineering Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Construction Items</b>																	
Lawn Equipment - purchase	4,000	5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sluiceway gate opening device - purchase	1,500	1,875	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
culvert inspection, repair, cleaning	31,200	-	-	-	-	39,000	-	-	-	-	39,000	-	-	-	-	39,000	-
computer/Instrumentation upgrades	10,000	-	-	-	-	12,500	-	-	-	-	12,500	-	-	-	-	12,500	-
Channel surveys (6-day survey)	16,000	-	-	-	-	-	20,000	-	-	-	-	-	-	-	20,000	-	-
dike gapping at TY3 - mob/demob	15,000	-	-	18,750	-	-	-	-	-	-	-	-	-	-	-	-	-
at TY3 - 10 gaps at 50LF @ 10cy/lf	16,250	-	-	20,313	-	-	-	-	-	-	-	-	-	-	-	-	-
Channel dredging -hydraulic	720,000	-	-	-	-	-	-	-	-	-	900,000	-	-	-	-	-	-
Channel dredging - bucket	260,000	-	-	-	-	-	-	-	-	-	325,000	-	-	-	-	-	-
dredging mob/demob	150,000	-	-	-	-	-	-	-	-	-	187,500	-	-	-	-	-	-
containment dikes	100,000	-	-	-	-	-	-	-	-	-	125,000	-	-	-	-	-	-
State Nominal Total	<b>4,278,684</b>	120,250	113,100	162,076	113,100	166,660	113,100	133,900	113,100	113,100	1,924,939	113,100	113,100	113,100	133,900	166,660	113,100
Federal Nominal Total	<b>104,384</b>	3,315	3,100	4,570	3,100	4,707	3,100	3,724	3,100	3,100	39,337	3,100	3,100	3,100	3,724	4,707	3,100
<b>Lake Boudreaux Basin FW Introduction (TE-32a)</b>																	
Year	Rates	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
<b>Federal Costs</b>																	
Federal Inspection	3,100	3,184	3,238	3,293	3,349	3,406	3,468	3,530	3,594	3,658	3,724	3,791	3,859	3,929	4,000	4,072	4,145
Annual Cost for Operations	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preventive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Federal S&A	215	220	-	1,562	-	1,766	-	711	-	-	43,533	-	-	-	805	2,111	-
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>State Costs</b>																	
State Annual Inspection	3,100	3,184	3,238	3,293	3,349	3,406	3,468	3,530	3,594	3,658	3,724	3,791	3,859	3,929	4,000	4,072	4,145
Annual Cost for Operations	110,000	112,989	114,910	116,864	118,850	120,871	123,046	125,261	127,516	129,811	132,148	134,527	136,948	139,413	141,923	144,477	147,078
Preventive Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E & D Cost	95,340	-	-	2,490	-	-	-	-	-	-	114,536	-	-	-	-	-	-

Administrative Cost	275	282	-	1,661	-	2,264	-	911	-	-	76,357	-	-	-	1,032	2,706	-
Eng. Survey	15,939	-	-	3,831	-	-	-	-	-	-	19,148	-	-	-	-	-	-
Inspection	48,000	-	-	2,550	-	-	-	-	-	-	57,665	-	-	-	-	-	-
Engineering Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Construction Items</b>																	
Lawn Equipment - purchase	4,000	5,136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sluiceway gate opening device - purchase	1,500	1,926	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
culvert inspection, repair, cleaning	31,200	-	-	-	-	42,854	-	-	-	-	46,852	-	-	-	-	51,224	-
computer/instrumentation upgrades	10,000	-	-	-	-	13,735	-	-	-	-	15,017	-	-	-	-	16,418	-
Channel surveys (6-day survey)	16,000	-	-	-	-	-	-	22,775	-	-	-	-	-	-	25,804	-	-
dike gapping at TY3 - mob/demob	15,000	-	-	19,920	-	-	-	-	-	-	-	-	-	-	-	-	-
at TY3 - 10 gaps at 50LF @ 10cy/lf	16,250	-	-	21,580	-	-	-	-	-	-	-	-	-	-	-	-	-
Channel dredging -hydraulic	720,000	-	-	-	-	-	-	-	-	-	1,081,210	-	-	-	-	-	-
Channel dredging - bucket	260,000	-	-	-	-	-	-	-	-	-	390,437	-	-	-	-	-	-
dredging mob/demob	150,000	-	-	-	-	-	-	-	-	-	225,252	-	-	-	-	-	-
containment dikes	100,000	-	-	-	-	-	-	-	-	-	150,168	-	-	-	-	-	-
<b>State Fully Funded Total</b>																	
	<b>5,164,706</b>	123,518	118,149	172,188	122,200	183,130	126,514	152,477	131,110	133,470	2,312,514	138,318	140,807	143,342	172,758	218,896	151,223



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3,100	3,100	3,100	3,100
110,000	110,000	110,000	110,000
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113,100	113,100	113,100	113,100
3,100	3,100	3,100	3,100
2029	2030	2031	2032
4,220	4,295	4,295	4,295
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4,220	4,295	4,295	4,295
149,725	152,420	152,420	152,420
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**Lake Boudreaux Basin FW Introduction (TE-32a)**  
**Operation & Maintenance and Monitoring**

PPL 6

**O&M Cost Considerations:**

*Annual Costs*

	<u>Federal</u>	<u>State</u>	<u>TOTAL</u>	Primary <u>WCS Ops</u>	Secondary <u>WCS Ops</u>
Annual Inspections	\$3,100	\$3,100	\$6,200		
Annual Cost for Operations	\$0	\$110,000	\$110,000	86,000	24,000
Preventive Maintenance	\$0	\$0	\$0		

*Specific Intermittent Costs*

<u>Construction Items</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Year 1</u>	<u>Year 3</u>	<u>Year 5</u>	<u>Year 7</u>	<u>Year 10</u>	<u>Year 14</u>
Lawn Equipment - purchase	1	\$4,000	\$4,000					
Manual gate opening device - purchase	1	\$1,500	\$1,500					
PWCS box culvert inspection, repair, cleaning	1	\$31,200			\$31,200		\$31,200	
Computer/Instrumentation upgrades	1	\$10,000			\$10,000		\$10,000	
Channel surveys (6-day survey)	1	\$16,000				\$16,000		\$16,000
dike gapping at TY3 - mob/demob	1	\$15,000		\$15,000				
dike gapping at TY3 - 10 gaps at 50LF @ 10cy/l	5,000	\$3.25		\$16,250				
Channel dredging -hydraulic	60,000	\$12					\$720,000	
Channel dredging - bucket	52,000	\$5					\$260,000	
dredging mob/demob							\$150,000	
containment dikes							\$100,000	
<b>Subtotal</b>			\$5,500	\$31,250	\$41,200	\$16,000	\$1,271,200	\$16,000
<b>Subtotal w/ 25% contingency</b>			<b>\$6,875</b>	<b>\$39,063</b>	<b>\$51,500</b>	<b>\$20,000</b>	<b>\$1,589,000</b>	<b>\$20,000</b>

**State Costs**

Engineering and Design Cost	\$0	\$2,344	\$0	\$0	\$95,340	\$0	
Administrative Cost	\$275	\$1,563	\$2,060	\$800	\$63,560	\$800	
Engineering Monitoring	\$0	\$0	\$0	\$0	\$0	\$0	
Eng Survey							
4.42 days @	\$3,606	per day	\$0		\$0	\$15,939	\$0
1 days @	\$3,606	per day		\$3,606			
Inspection							
800 days @	\$60	per day	\$0		\$0	\$48,000	\$0
40 hrs @	\$60	per hour		\$2,400			

<b>Subtotal</b>	\$275	\$9,912	\$2,060	\$800	\$222,839	\$800
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**Federal Costs**

Administrative Cost	\$215	\$1,470	\$1,607	\$624	\$36,237	\$624
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<b>Subtotal</b>	\$215	\$1,470	\$1,607	\$624	\$36,237	\$624
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<b>Total</b>	\$7,365	\$50,445	\$55,167	\$21,424	\$1,848,076	\$21,424
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**Annual Project Costs:**

Corps Administration	\$1,225	annually, plus	\$1,020	in year 20
Monitoring *	\$8,940	<i>(Dependent upon type of project)</i>		

**Construction Schedule:**

Planning & Design Start	April-97	
Planning & Design End	October-10	<i>(Minimum of one year to complete this phase)</i>
Const. Start	May-11	<i>(Requires 4 months for contracting and advertising)</i>
Const. End	May-12	

Check Sums

State	\$10,250	\$56,660	\$23,900	\$1,814,939	\$23,900
Federal	\$3,315	\$4,707	\$3,724	\$39,337	\$3,724
	\$13,565	\$61,367	\$27,624	\$1,854,276	\$27,624

**Year 15**

\$31,200  
\$10,000

\$41,200  
***\$51,500***

\$0  
\$2,060  
\$0

\$0

\$0

*\$2,060*

\$1,607

*\$1,607*

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**\$55,167**

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**State Costs**

*Supervision and Administration*

\$264,338

**Total Phase II Cost Estimate:**

\$16,397,167

**TOTAL ESTIMATED PROJECT FIRST COST**

\$18,852,792

*bligated \$. I'm not sure these costs should be included in cost estimate*

United States Army Corps of Engineers  
Operation and Maintenance Data for PPL-12

Year	Inflation Rate
1997	2.2%
1998	1.3%
1999	1.7%
2000	2.2%
2001	1.3%
2002	2.8%
2003	2.4%
2004	7.8%
2005	6.5%
2006	5.5%
2007	4.9%
2008	6.4%
2009	-1.9%
2010	1.9%
2011	1.1%
2012	1.6%
2013	1.7%
2014	1.7%
2015	1.7%
2016	1.7%
2017	1.8%
2018	1.8%
2019	1.8%
2020	1.8%
2021	1.8%
2022	1.8%
2023	1.8%
2024	1.8%
2025	1.8%
2026	1.8%

United States Army Corps of Engineers  
Operation and Maintenance Data for PPL-12

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	2027	1.8%
	2028	1.8%
	2029	1.8%
<hr/>	2030	1.8%

---

Hours/Days	Total
-	#REF!
8	#REF!
16	#REF!
16	#REF!
<hr/>	#REF!

Hours/Days	Total
4	#REF!
8	#REF!
4	#REF!
4	#REF!
<hr/>	#REF!
	#REF!

**REQUEST FOR PHASE II APPROVAL**

**PROJECT:** Lake Boudreaux Basin FW Introduction  
**PPL:** 6 **Project No.** TE-32a  
**Agency:** FWS

**Phase I Approval Date:** 24-Apr-97  
**Phase II Approval Date:** Oct 2010 [Proposed] **Const Start:** May-11

	Original Approved Baseline (100% Level) (Col 1 + Col 2)	Current Approved Estimate (125% Level) (Col 3 + Col 4)	Revised Current Recommended Estimate (Col 5 + Col 6)	ORIGINAL BASELINE		CURRENT ESTIMATE		RECOMMENDED PH I + PH 2 ESTIMATE		
				Original Baseline Phase I (100% Level) 1/	Original Baseline Phase II (100% Level) 2/	Current Approved Phase I 3/	Current Approved Phase II 4/	Recommended Current Phase I (100% Level) 5/	Recommended Current Phase II (100% Level) 6/	Recommended Current Phase II Incr 1 (100% Level) 7/
Engr & Des	503,329	1,454,618	1,555,417	503,329		1,454,618		1,555,417		
Lands	123,240	140,314	655,824	123,240		140,314		152,616	503,208	503,208
Fed S&A	212,725	110,000	381,556	212,725		110,000		137,500	244,056	244,056
LDNR S&A	122,062	241,927	538,777	122,062		241,927		272,743	266,034	266,034
COE Proj Mgmt	-	-	-							
Phase I	14,498	14,498	14,498	14,498		14,498		14,498		
Ph II Const Phase	-	-	2,058						2,058	2,058
Ph II Long Term	-	-	31,188						31,188	3,839
Const Contract	4,302,497	5,453,945	11,979,896		4,302,497		5,453,945		11,979,896	11,979,896
Const S&I	75,824	-	513,393		75,824				513,393	513,393
Contingency	1,075,624	769,750	2,994,974		1,075,624		769,750		2,994,974	2,994,974
Monitoring	-	-	-							
Phase I	855,145	858,657	858,657	855,145		858,657		858,657		
Ph II Const Phase	-	-	33,363						33,363	33,363
Ph II Long Term	-	-	916,403						916,403	90,547
O&M - State	2,546,363	3,245,424	5,164,706	2,546,363			3,245,424		5,164,706	413,855
O&M - Fed	-	-	126,055						126,055	11,498
<b>Total</b>	<b>9,831,307</b>	<b>12,289,133</b>	<b>25,766,765</b>	<b>4,377,362</b>	<b>5,453,945</b>	<b>2,820,014</b>	<b>9,469,119</b>	<b>2,991,431</b>	<b>22,775,334</b>	<b>17,056,721</b>
<b>Total Project</b>					<b>9,831,306</b>		<b>12,289,133</b>		<b>25,766,765</b>	
Current Estimate Compared to Original		125%								

Funding in Hand	12,289,133		
Funding Requested	20,048,152	2,991,431	17,056,721
Estimate Increase	13,477,632		
Funding Request	7,759,019		

**Prepared By:** Gay **Date Prepared:** 5-Oct-10



# North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management (TE-32a)

## Project Status

**Approved Date:** 1997      **Cost:** \$12.2 M  
**Project Area:** 9,604 acres      **Status:** Engineering and Design  
**Net Benefit After 20 Years:** 416 acres  
**Project Type:** Water Diversion

## Location

The project is located in Terrebonne Parish, approximately 5 miles southwest of Chauvin, Louisiana.

## Problems

The area is suffering from a lack of fresh water, increasing the negative effects of saltwater intrusion into the north Lake Boudreaux basin marshes.

## Restoration Strategy

The purpose of the project is to reduce deterioration and loss of area marshes by seasonally introducing fresh water from the Houma Navigation Canal. This project includes the construction of a freshwater conveyance channel with water management gates and the installation of several outfall management structures to allow drainage and reduce ponding of water.

## Progress to Date

The contracted Feasibility Study report has indicated that the project, as proposed, can introduce the originally projected volumes of fresh water. Prior to beginning engineering and design work, a landrights assessment is being conducted to better determine where the project's conveyance channel can be located.

This project is on Priority Project List 6.

*For more project information, please contact:*



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



**Local Sponsor:**  
Louisiana Department of Natural Resources  
Baton Rouge, LA  
(225) 342-7308



Dead cypress swamps in the northern part of the project area.



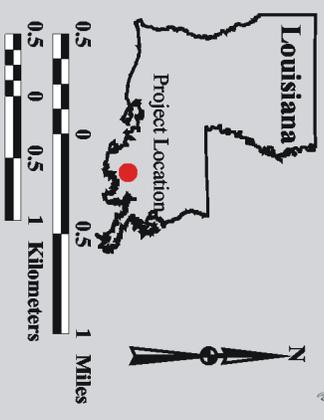
Aerial view of dead cypress swamps in the northern part of the project area.



# North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management (TF-32a)

- Culvert\*
  - Plug\*
  - Water Control Structure\*
  - Bridge\*
  - Levee
  - Freshwater Diversion\*
  - Marsh Creation Area\*
  - Project Boundary
- \* denotes proposed feature

**USGS**  
science for a changing world



Map Produced By:  
U.S. Department of the Interior  
U.S. Geological Survey  
National Wetlands Research Center  
Coastal Restoration Field Station

Background Imagery:  
1998 Digital Orthophoto Quarter Quad  
Map Date: October 17, 2003  
Map ID: USGS-NWRC 2003-11-044  
Data accurate as of: October 17, 2003

## Massiello, Allison MVN-Contractor

---

**From:** Goodman, Melanie L MVN  
**Sent:** Tuesday, September 21, 2010 9:47 AM  
**To:** Massiello, Allison MVN-Contractor  
**Subject:** FW: TE-32a - Lake Boudreaux Freshwater Introduction-  
**Attachments:** Claudet.Holden.09.20.2010.pdf

**Importance:** High

Allison, please add to binder for subject

Thanks,

Melanie

-----Original Message-----

**From:** Leslie Suazo [mailto:[lsuazo@tpcg.org](mailto:lsuazo@tpcg.org)]  
**Sent:** Monday, September 20, 2010 3:34 PM  
**To:** Holden, Thomas A MVN  
**Cc:** Goodman, Melanie L MVN  
**Subject:** TE-32a - Lake Boudreaux Freshwater Introduction-  
**Importance:** High

Comments attached from our Parish President, Michel Claudet. See you on the 28th.

Leslie R. Suazo, Director

Office of Coastal Restoration & Preservation

Terrebonne Parish Consolidated Government

985-873-6899

985-580-7279 (fax)

[lsuazo@tpcg.org](mailto:lsuazo@tpcg.org)

P.O. Box 2768

8026 Main Street

Houma, LA 70360

Go Green! Please consider the environment before printing this email.



OFFICE OF THE PARISH PRESIDENT  
TERREBONNE PARISH CONSOLIDATED GOVERNMENT  
P. O. Box 6097  
HOUMA, LOUISIANA 70361-6097



MICHEL H. CLAUDET  
PARISH PRESIDENT

(985) 873-6401  
FAX: (985) 873-6409  
E-MAIL: mhclaudet@tpcg.org

September 17, 2010

Mr. Tom Holden, Chairman  
CWPPRA Technical Committee  
U.S. Army Corps of Engineers  
New Orleans District  
Post Office Box 60267  
New Orleans, Louisiana 70160-0267

Re: North Lake Boudreaux Freshwater Introduction and Hydrologic Management (TE 32a)

Dear Mr. Holden:

As you may be aware, a 95% design review meeting was held June 29, 2010 for the North Lake Boudreaux Freshwater Introduction and Hydrologic Management project, CWPPRA Project TE 32a. This project was originally authorized by the CWPPRA Task Force in 1997 during its PPL 6. As a non-cash flow project, approximately \$9 M was authorized and set aside for the project through construction.

During the course of planning and design of this project, the State of Louisiana and U.S. Fish and Wildlife, the federal sponsor, have worked tirelessly to overcome many challenges; including extensive data acquisition, hydrologic modeling and protracted land rights issues. The project team is also finalizing an updated Wetland Value Assessment (WVA) in order to ensure the present-day feasibility of the project. Due to the length of time required for the extensive data acquisition, geotechnical considerations and land rights acquisitions, current cost estimates for the project are now considerably higher than the original 1997 authorized amount. It is our understanding that the U.S. Fish and Wildlife Service and the Office of Coastal Protection and Restoration (OCPR) will request the necessary additional funding for the project as well as permission to proceed to construction at the CWPPRA Technical Committee meeting on September 28, 2010. It is my hope that you will give every favorable consideration possible to this project.

As you know, the Terrebonne Basin, and especially the Lake Boudreaux area, is now isolated from many of its historic freshwater sources. Until such time as more freshwater from the Atchafalaya River is available to nourish the marshes of the Terrebonne Basin, our sources of freshwater are quite limited. This project will utilize the seasonally available freshwater from the nearby Houma Navigation Canal (HNC), the only available source of freshwater for the area at this time.

The basic project concept is to divert this seasonally available freshwater from the HNC through Bayou Pelton and across the Bayou Grand Caillou Ridge in to the marshes east of Highway 57. Bayou Pelton's cross-section will be expanded with a hydrologic dredge, and a new conveyance channel with an 800 foot cross section will be excavated using a bucket dredge east of Highway 57. Project features include a Primary Water Control Structure of six (6) barrel (10' x10' x 100') array of box culverts, three 48' flap gates within the new conveyance channel and a fixed crest weir with a boat bay near Bayou Butler, and an earthen plug repair near the fixed crest weir. The hydrologic modeling indicates that maximum diversion

flow rates between 800 cfs and 916 cfs are attainable at Bayou Grand Caillou. At these flow rates, the project is feasible.

The Engineering and Economic Workgroups are currently developing the fully funded cost estimate as required by the CWPPRA SOP. However, the current construction cost estimate of \$12,824,452 includes costs for final landrights acquisition, utility relocations, a 10% construction contingency and approximately \$1M for the construction of a parish forced drainage levee component. Considering the length of time that has elapsed from the original authorization the additional funding request (at ordinary inflationary cost adjustments) is not unreasonable. The funding of the drainage levee portion has perhaps been the more contentious item during the current considerations concerning this project.

While the citizens of Terrebonne Parish are sensitive to the concerns expressed by CWPPRA partners regarding this project component, I do feel that any outstanding concerns regarding project design and management can be adequately addressed during the regulatory review process. As I am sure you are aware, the CWPPRA program has historically borne the cost burden for any negative impacts caused by a CWPPRA project. In this case, the CWPPRA program is only being asked to pay for that particular portion of the forced-drainage system that would likely be adversely affected by the introduction of additional freshwater as indicated by the hydrologic modeling during project design. Additionally, Terrebonne Parish Consolidated Government continues to encourage and explore the use of conservation easements to address any ongoing concerns relative to induced development of impounded areas.

Furthermore, virtually every coastal wetland planning effort thus far has endorsed freshwater and sediment diversions as a major restoration strategy for the Terrebonne Basin, including the CWPPRA Main Report in 1993, Coast 2050 in 1998, LCA and Louisiana's Comprehensive Master Plan for a Sustainable Coast (2007). Both freshwater and sediment diversions are acknowledged in these reports as techniques that restore natural processes and reverse the trend of coastal land loss and move toward coastal sustainability.

In closing, the North Lake Boudreaux Freshwater Introduction and Hydrologic Management project remains a priority project for Terrebonne Parish Government, and we urge and request your favorable consideration for construction authority and the required additional funding for this project.

Thank you for your continued support of our coastal restoration efforts in Terrebonne Parish.

Sincerely,



Michel Claudet

Cc: Al Levron, Parish Manager  
Leslie Suazo, Director, CRP  
Council Reading File  
Correspondence File

## Massiello, Allison MVN-Contractor

---

**From:** Goodman, Melanie L MVN  
**Sent:** Monday, September 20, 2010 2:21 PM  
**To:** Massiello, Allison MVN-Contractor  
**Subject:** FW: CWPPRA Project TE-32a;  
**Attachments:** DOC092010.pdf

**Importance:** High

Allison

Please add attached and below email to binders for subject tab 10

Thanks,

Melanie

-----Original Message-----

**From:** Leslie Suazo [mailto:[lsuazo@tpcg.org](mailto:lsuazo@tpcg.org)]  
**Sent:** Monday, September 20, 2010 11:47 AM  
**To:** Holden, Thomas A MVN  
**Cc:** Goodman, Melanie L MVN  
**Subject:** CWPPRA Project TE-32a;  
**Importance:** High

Greetings Tom! Attached you will find comments from Mickey Thomas, Chairman of our Coastal Zone Management and Restoration Advisory Committee regarding the Lake Boudreaux Project. This will likely be on the 9/28 agenda (or at least that is my understanding). Mr. Claudet is also sending comments on the project. Similar letters are being sent to individual technical committee members as well.

Many thanks for your consideration. See you on the 28th! - ls

Leslie R. Suazo, Director

Office of Coastal Restoration & Preservation

Terrebonne Parish Consolidated Government

985-873-6899

985-580-7279 (fax)

[lsuazo@tpcg.org](mailto:lsuazo@tpcg.org)

P.O. Box 2768

8026 Main Street

Houma, LA 70360

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P.O. BOX 6097  
HOUMA, LOUISIANA 70361  
(985) 868-5050



P.O. BOX 2768  
HOUMA, LOUISIANA 70361  
(985) 868-3000

## TERREBONNE PARISH CONSOLIDATED GOVERNMENT

---

### *Coastal Zone Management And Restoration Advisory Committee*

September 17, 2010

Mr. Tom Holden, Chairman  
CWPPRA Technical Committee  
U.S. Army Corps of Engineers  
New Orleans District  
Post Office Box 60267  
New Orleans, Louisiana 70160-0267

Re: North Lake Boudreaux Freshwater Introduction and Hydrologic Management (TE 32a)

Dear Mr. Holden:

I am writing to you today as Chairman of the Coastal Zone management and Restoration Advisory Committee for Terrebonne Parish, a volunteer committee representing a wide variety of stakeholder interests. Our committee membership, past and present, has been actively monitoring the progress of the North Lake Boudreaux Freshwater Introduction and Hydrologic Management Project since its initial authorization by the CWPPRA Risk Force in 1997 during its PPL 6. As a non-cash flow project, approximately \$9 M was authorized and set aside for the project through construction.

During the course of planning and design of this project, the State of Louisiana and U.S. Fish and Wildlife, the federal sponsor (USFWS), have worked tirelessly to overcome many challenges; including extensive data acquisition, hydrologic modeling and protracted land rights issues. The project team is currently finalizing an updated Wetland Value Assessment (WVA) in order to ensure the present-day feasibility of the project. As I am sure you are aware, a 95% design review of the project was held on June 29, 2010.

As you might well imagine, an unfortunate consequence of the length of time required for the extensive data acquisition, geotechnical considerations and land rights acquisitions, is current cost estimates for the project are now considerably higher than the original 1997 authorized amount. It is our understanding that the USFWS and the Office of Coastal Protection and Restoration (OCPR) will request the necessary additional funding for the project as well as permission to proceed to construction at the CWPPRA Technical Committee meeting on September 28, 2010. It is my hope that you will give every favorable consideration possible to this project.

The basic project concept is to divert seasonally available freshwater from the Houma Navigation Canal (HNC) through Bayou Pelton and across the Bayou Grand Caillou Ridge in to the marshes east of Highway 57. Bayou Pelton's cross-section will be expanded with a hydrologic dredge, and a new conveyance channel with an 800 foot cross section will be excavated using a bucket dredge east of Highway 57. Project features include a Primary Water Control Structure of six (6) barrel (10' x10' x 100') array of box culverts, three 48' flap gates within the new conveyance channel and a fixed crest weir with a boat bay near Bayou Butler, and an earthen plug repair near the fixed crest weir. The hydrologic modeling indicates that maximum diversion flow rates between 800 cfs and 916 cfs are attainable at Bayou Grand Caillou. At these flow rates, the project is feasible.

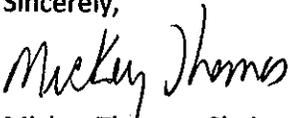
The Engineering and Economic Workgroups are currently developing the fully funded cost estimate as required by the CWPPRA SOP. However, the current construction cost estimate of \$12,824,452 includes costs for final landrights acquisition, utility relocations, a 10% construction contingency and approximately \$1M for the construction of a parish forced drainage levee component. Considering the length of time that has elapsed from the original authorization the additional funding request (at ordinary inflationary cost adjustments) is not unreasonable. The funding of the drainage levee portion has perhaps been the more contentious item during the current considerations concerning this project.

While our committee membership is sensitive to the concerns expressed by CWPPRA partners regarding this project component, we feel strongly that any outstanding concerns regarding project design and management can be adequately addressed during the regulatory review process – a process in which our committee is also actively engaged. As I am sure you are aware, the CWPPRA program has historically borne the cost burden for any negative impacts caused by a CWPPRA project. In this case, the CWPPRA program is only being asked to pay for that particular portion of the forced-drainage system that would likely be adversely affected by the introduction of additional freshwater as indicated by the hydrologic modeling during project design. Additionally, Terrebonne Parish Consolidated Government and our committee continue to encourage and support the use of conservation easements to address any ongoing concerns relative to induced development of impounded areas.

Furthermore, virtually every coastal wetland planning effort thus far has endorsed freshwater and sediment diversions as a major restoration strategy for the Terrebonne Basin, including the CWPPRA Main Report in 1993, Coast 2050 in 1998 , LCA and Louisiana's Comprehensive Master Plan for a Sustainable Coast (2007). Both freshwater and sediment diversions are acknowledged in these reports as techniques that restore natural processes and reverse the trend of coastal land loss and move toward coastal sustainability.

In closing, the North Lake Boudreaux Freshwater Introduction and Hydrologic Management project remains a priority project for Terrebonne Parish Government, and we urge and request your favorable consideration for construction authority and the required additional funding for this project.

Sincerely,



Mickey Thomas, Chairman

Cc: Michel Claudet, Parish President  
Al Levron, Parish Manager  
Leslie Suazo, Director, CRP  
Council Reading File  
Correspondence File

## Massiello, Allison MVN-Contractor

---

**From:** Goodman, Melanie L MVN  
**Sent:** Monday, September 20, 2010 2:21 PM  
**To:** Massiello, Allison MVN-Contractor  
**Cc:** Wingate, Mark R MVN; Holden, Thomas A MVN  
**Subject:** FW: TE-32a - Request from a concerned landowner  
**Attachments:** TE-32 Support Letter \_9-17-10 (with prior letter).pdf

Allison

Please add attached and below email to binders for subject tab 10

Thanks,

Melanie

-----Original Message-----

**From:** Holden, Thomas A MVN  
**Sent:** Monday, September 20, 2010 7:22 AM  
**To:** Goodman, Melanie L MVN; Wingate, Mark R MVN  
**Subject:** FW: TE-32a - Request from a concerned landowner

Thomas A. Holden Jr., P.E.  
DPM, New Orleans District  
(504) 862-2204 work  
(504) 920-6944  
[thomas.a.holden@usace.army.mil](mailto:thomas.a.holden@usace.army.mil)

-----Original Message-----

**From:** Allen, Timothy [mailto:Timothy.Allen@apachecorp.com]  
**Sent:** Friday, September 17, 2010 4:13 PM  
**To:** Holden, Thomas A MVN; Kirk Rhinehart - DNR/CRD (Kirk.Rhinehart@LA.GOV); Britt Paul (NRCS) (britt.paul@la.usda.gov); Rick Hartman - NMFS (Richard.Hartman@noaa.gov); Darryl Clark (darryl\_clark@fws.gov); mccormick.karen@epa.gov  
**Subject:** TE-32a - Request from a concerned landowner

Please review the attached. Thank you in advance for your favorable consideration.

Have a nice weekend.

Timothy J. Allen, PLS

Apache Louisiana Minerals LLC

a subsidiary of Apache Corporation

P.O. Box 206, Houma, LA 70361

Phone: (985) 879-3528 X-8719

---

**APACHE LOUISIANA MINERALS LLC**

A Subsidiary of APACHE Corporation



POST OFFICE BOX 206 / HOUMA, LOUISIANA 70361-0206

TEL (985) 879-3528  
FAX (985) 876-5267

September 17, 2010

Mr. Tom Holden, Chairman  
CWPPRA Technical Committee  
U. S Army Corps of Engineers  
New Orleans District  
Post Office Box 60267  
New Orleans, LA 70160-0267

RE: North Lake Boudreaux Freshwater Introduction and Hydrologic Management Project (TE 32a)

Dear Mr. Holden:

I am again writing to you and the CWPPRA Technical Committee to express our support for the above referenced project. The attached letter of support was submitted in 2008, and our commitment and desire for this project to be built has only grown stronger since then. Likewise, the NEED for this project has grown stronger since then, due to the impacts of Hurricanes Ike and Gustav. The project area is starved for fresh water. The irony is that the solution to this problem, the Houma Navigation Canal (HNC), is just a few short miles away. Seasonal introduction of much needed fresh water from the HNC into this isolated basin will undoubtedly produce positive results in a relatively short while. We've seen how quickly freshwater introduction can improve the health of a declining marsh. This project will make it happen here.

As a major landowner in the north Lake Boudreaux area, we have watched helplessly as the health of these marshes have continued to decline since this project concept was initially authorized in 1997. Our company and our predecessors have done what we can to limit the salinity influx from Lake Boudreaux through the continual re-establishment of the north rim of the lake over the last forty years. We are signatory partners with local government to build a permanent fix to the shoreline erosion issue of Lake Boudreaux. However, we cannot provide the needed freshwater introduction into this basin, which your committee and the Task Force have the power and funding to do.

We understand that this project was initially authorized by the CWPPRA Task Force in 1997 and approximately \$9 M was approved and set aside. We also understand that due to the length of time since the project's inception, the construction cost estimate has risen to nearly \$13 M. This project has been around long enough. We urge you to authorize the funding increase and get this project built without further unnecessary delays. The marshes in this basin cannot withstand further delays. TE-32a is the last hope for this area. We respectfully request that your favorable consideration be given at the CWPPRA Technical Committee meeting on September 28, 2010.

Sincerely,

**APACHE LOUISIANA MINERALS LLC**

A handwritten signature in black ink, appearing to read "Timothy J. Allen".

Timothy J. Allen  
General Manager

tja:dsc; encl.

cc: Michel Claudet, Terrebonne Parish President  
Leslie Suazo, TPCG  
Mr. Darryl Clark, USFWS  
Mr. Kirk Rhinehart, OCPR  
Mr. Richard Hartman, NMFS  
Ms. Karen McCormick, EPA  
Mr. Britt Paul, NRCS

---

**APACHE LOUISIANA MINERALS, INC.**



---

POST OFFICE BOX 206 / HOUMA, LOUISIANA 70361-0206

TEL (985) 879-3528  
FAX (985) 876-5267

April 15, 2008

CWPPRA Technical Committee  
Mr. Thomas A. Holden, Jr., Chairman  
U.S. Army Engineer District, New Orleans  
Office of the Chief  
P. O. Box 60267  
New Orleans, Louisiana 70160-0267

RE: TE-32a North Lake Boudreaux Freshwater  
Introduction Project, Terrebonne Parish, LA

Dear Mr. Holden:

Apache Louisiana Minerals, Inc. is one of the major landowners in the north Lake Boudreaux area. This area has been experiencing the effects of rapid coastal erosion and deterioration caused by saltwater intrusion. The storm surge from Hurricane Rita has exacerbated the deterioration in this area. Fortunately, there are protective measures underway to reverse this trend and revitalize this ecosystem. The first is the TE-46 West Lake Boudreaux Shoreline Protection and Marsh Creation project currently under construction with CWPPRA funding. The other project is a partnership between Apache Corporation, the Terrebonne Parish Consolidated Government and the Terrebonne Levee and Conservation District. This Ward 7 levee mitigation project consists of armoring the northern and eastern shoreline of Lake Boudreaux, which has continuously been stabilized and maintained by Apache over the years. This cooperative endeavor also consists of marsh creation behind the established lake shoreline via dedicated dredging from borrow areas in Lake Boudreaux.

The proposed North Lake Boudreaux Freshwater Introduction Project will work synergistically with these adjacent restoration projects. Apache is willing to provide the necessary land rights needed to implement this project. We've previously provided landrights for the data collection and reconnaissance for this project. This office has also been a 'behind the scenes' financial contributor for land rights acquisition from other landowners to help bring this project forward to construction.

Apache strongly supports this project and respectfully requests your favorable consideration to authorize this project for design and construction.

Sincerely,

**APACHE LOUISIANA MINERALS, INC.**

A handwritten signature in black ink, appearing to read "Timothy J. Allen".

Timothy J. Allen, PLS  
General Manager

CC: Michel Claudet, TPCG Parish President  
Leslie Suazo, TPCG



DM  
Maloz

P.O. Box 2048-NSU • Thibodaux, Louisiana 70310 • (985) 448-4485 • Fax (985) 448-4486  
Email: [simone.maloz@nicholls.edu](mailto:simone.maloz@nicholls.edu) • [www.restoreorretreat.org](http://www.restoreorretreat.org)

September 22, 2010

Mr. Tom Holden  
Deputy District Engineer  
U.S. Army Corps of Engineers, New Orleans District, Office of the Chief  
P.O. Box 60267  
New Orleans, LA 70160-0267

**Re: North Lake Boudreaux Freshwater Introduction and Hydrologic Management (TE 32a)**

Dear Mr. Holden,

Restore or Retreat, Inc. is a non-profit coastal advocacy group created by coastal Louisiana residents and stakeholders who recognize the Barataria and Terrebonne basins are the two most rapidly eroding estuaries on earth. Representing over 200 businesses and individuals, Restore or Retreat (ROR) would like to respectfully submit the following comments of support for North Lake Boudreaux Freshwater Introduction and Hydrologic Management the currently being considered for construction authority and required additional funding as part of the Coastal Wetlands Planning and Protection Act (CWPPRA).

Since the project's original authorization in 1997 (PPL 6), unforeseen challenges with data acquisition, hydrologic modeling and land rights have resulted in a delayed schedule and increased cost estimate for the project which are considerably higher than first authorized. It is our understanding the U.S Fish and Wildlife Service and the Office of Coastal Protection and Restoration (OCPR) will request necessary additional funding for the project, as well as permission to proceed to construction at the CWPPRA Technical Committee meeting on September 28, 2010. Our organization stands behind this project because of its location in the exceptionally vulnerable Terrebonne Basin and its utilization of freshwater in an otherwise deprived area. Attached is a previous resolution of support from our organization for your review.

In summary, Restore or Retreat respectfully requests your careful consideration of every favorable consideration possible for this project. Thank you for your time and consideration in this matter, and we look forward to hearing the outcome of the process. If you have any questions, please do not hesitate to call our office at (985) 448-4485.

Sincerely,  
Restore or Retreat, Inc.

A handwritten signature in cursive script that reads "Simone Theriot Maloz".

Simone Theriot Maloz  
Executive Director

***Executive Committee***

Mike Plaisance, *President* (Plaisance Dragline and Dredging) • Ted Falgout, *Vice President* (Ted M. Falgout and Associates)

Henri Boulet, *Secretary* (LA 1 Coalition, Inc.) • Robert Naquin, *Treasurer* (Capital One) • Timothy Allen (Apache Louisiana Minerals)

Charlotte Bollinger (Bollinger Shipyards, Inc.) • C. Berwick Duval II (Duval, Funderburk, Sundbery, Lovell & Watkins) • Dr. J.J. Jones (Jones Dermatology)

## RESOLUTION

The Executive Committee of Restore or Retreat, Inc. adopts the following resolution on this 15<sup>th</sup> day of April, 2008.

**WHEREAS**, Restore or Retreat, Inc. (ROR) is a non-profit coastal advocacy group created by coastal Louisiana residents and stakeholders who recognize that the Barataria and Terrebonne basins are the two most rapidly eroding estuaries on earth, and that this erosion represents an economic and ecological crisis;

**WHEREAS**, with a membership of over 250 concerned businesses and individuals, it is the mission of Restore or Retreat to seek to identify and expedite the implementation of aggressive restoration projects to protect this irreplaceable region;

**WHEREAS**, the Barataria and Terrebonne basins are nationally significant as they produce 30 percent of the nation's seafood production, provide wintering habitat for migratory waterfowl, serve as the entry point for 18 percent of America's foreign and domestic energy supply, and have produced a unique South Louisiana culture closely tied to its homeland;

**WHEREAS**, specifically, the high rate of marsh loss in the North Lake Boudreaux Basin has been continuous since the 1980's, largely due to subsidence, hydrologic alterations and subsequent saltwater intrusion; and

**WHEREAS**, these conditions have resulted in the conversion of organic freshwater marshes into open water and intermediate marshes into brackish marshes and have caused substantial loss of cypress swamps and wax myrtle thickets; and

**WHEREAS**, the North Lake Boudreaux Basin Freshwater Introduction Project (TE-32a) would reduce marsh loss rates by the seasonal introduction of fresh water from the Houma Navigation Canal (HNC) when available;

**WHEREAS**, the local sponsor has worked diligently with the State of Louisiana and the U.S. Fish and Wildlife Service to resolve the delays experienced in the implementation of this project and has secured the necessary agreements to meet conditions and milestones set by the Task Force, and

**WHEREAS**, this project has undergone a second wetlands value assessment and will provide a direct benefit to approximately 619 acres, and an indirect benefit believed to be over 7,000 acres;

**WHEREAS**, the local sponsor recognizes the financial commitment from CWPPRA for the initial project cost and will work diligently and independently to seek additional funding outside of the CWPPRA process;

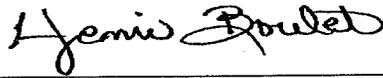
**NOW THEREFORE BE IT RESOLVED**, Restore or Retreat does urge and request that the CWPPRA Technical Committee recommend to the CWPPRA Task Force that, having met conditions and milestones established by the Task Force, a favorable decision is made to continue the North Lake Boudreaux Basin Freshwater Introduction Project (TE-32a) project through construction, and that the CWPPRA Task Force does maintain continued funding for the project through its completion.

**BE IT FURTHER RESOLVED** that a copy of this resolution be forwarded to representatives of all CWPPRA Technical Committee Members as well as CWPPRA Task Force Members, the Terrebonne Parish Coastal Zone Management Committee, Terrebonne Parish Council, Governor's Office of Coastal Activities and our State and Federal Legislative Delegations.



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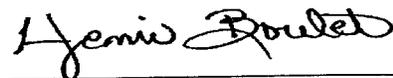
Charlotte Bollinger  
President, Restore or Retreat, Inc.



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Henri Boulet  
Secretary, Restore or Retreat, Inc.

To certify that is Relation is a true and correct copy of the resolution adopted by the Executive Committee of Restore or Retreat, Inc. a non-profit organization organized under the Articles of Incorporation filed under the State of Louisiana, on this 15<sup>th</sup> day of April, 2008, and that said resolution is duly entered upon the minute book of said organization, and is now in full force and effect.



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Henri Boulet  
Secretary, Restore or Retreat, Inc.

## Massiello, Allison MVN-Contractor

---

**From:** Goodman, Melanie L MVN  
**Sent:** Monday, September 27, 2010 7:07 PM  
**To:** 'Ronald\_Paille@fws.gov'; 'Andrew.Beall@la.gov'  
**Cc:** 'Richard Hartman'; 'Crawford.Brad@epamail.epa.gov'; 'Llewellyn.Chris@epamail.epa.gov'; 'Kaspar.Paul@epamail.epa.gov'; 'Teague.Kenneth@epamail.epa.gov'; Wingate, Mark R MVN; Holden, Thomas A MVN; 'britt paul'; 'Jurgensen, John - Alexandria, LA'; 'kirk rhinehart'; 'Kelley Templet'; 'Kevin\_Roy@fws.gov'; 'McCormick.Karen@epamail.epa.gov'; 'Darryl Clark'; Serio, Pete J MVN; Mayer, Martin S MVN; Feldmeier, Paula MVN; Kilroy, Maurya MVN; Massiello, Allison MVN-Contractor  
**Subject:** CWPPRA North Lake Boudreaux Project, Task Force Agency Concerns

Ronnie, please see consolidated EPA, NOAA and Corps comments and questions raised in or as a result of the phone conference this morning that we all wish to have answers to.

1. The actual investment of CWPPRA funds needs to be justified by the actual cost of constructing features to the elevation necessary to prevent project-induced flooding. A blanket \$1,000,000 is not appropriate.
2. The financial liability to CWPPRA is a concern for potential levee failure. The risk of potential levee failure should be assessed.
3. The acres of direct and indirect wetland impacts should be verified to the agencies for whatever is demonstrated to be necessary to protect against project-induced flooding.
4. Direct Wetland Impacts: CWPPRA should only be responsible to protect against CWPPRA-project induced flooding (risk). The Parish should indicate in writing that they will implement a stand alone mitigation project, acreage to be determined, to offset all impacts above the minimum footprint necessary to protect from project-induced flooding. This includes direct impacts associated with the North and South Levee, as well as the portion of the Conveyance Channel Guide Levee to forms the Southern Forced Drainage Area.
5. Indirect Wetland Impacts: Need conservation servitudes on wetlands in both the proposed northern and southern forced drainage areas. Enclosed wetlands are more likely to be developed. Potential protection via the 404 Program is unacceptable as the rigor of the 404(b)(1) alternatives analysis will be affected with the presence of a levee.
6. Need commitment from the Parish to maintain water levels inside both enclosed areas appropriate to maintain the health of the enclosed wetland plant community. Need commitment from the Parish to monitor (water level, wetland coverage and type) on a regular basis to demonstrate performance compliance.
7. Is the construction of the CWPPRA project dependant on the construction of the Parish levee or can it be constructed before the levee is completed? In other words, if the parish levee construction is delayed, will it delay project construction? Are there reasonable assurances that the parish is ready to build? Can an indefinite delay in the parish levee, delay the project indefinitely?
8. What is the USFWS/DOI Solicitor General legal opinion regarding sufficiency of the flood impact analysis of the project and the proposed arrangement to pay an arbitrary sum of \$1m to the Parish for the levee as appropriate mitigation to offset potential flood impacts to private individuals and to reduce risk to the federal government?
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10. Is the entire, a portion, or percentage of the levee going to be a CWPPRA Project feature? How does the liability of the levee transfer to the federal government.

11. If the CWPPRA Project is not built, will the parish build the levee anyway to the standard being required for the CWPPRA project implementation?

12. The project design, including the levee design, NEPA environmental assessment of alternatives, and legal review of potential risks to the government related to permitting will be further reviewed by the Corps during the permit application review process.

Thanks,

Melanie

-----Original Message-----

From: McCormick.Karen@epamail.epa.gov [mailto:McCormick.Karen@epamail.epa.gov]

Sent: Monday, September 27, 2010 4:35 PM

To: Ronald\_Paille@fws.gov

Cc: Goodman, Melanie L MVN; Richard Hartman; Crawford.Brad@epamail.epa.gov;

Llewellyn.Chris@epamail.epa.gov; Kaspar.Paul@epamail.epa.gov; Teague.Kenneth@epamail.epa.gov

Subject: Re: North Lake Boudreaux concerns

Hi everyone - EPA concurs but also suggest that following should be addressed:

Also, I do not have Andrew Beale's email so if someone could forward I would appreciate.  
Thanks

ADD

6. Is the construction of the CWPPRA project dependant on the construction of the Parish levee or can it be constructed before the levee is completed? In other words, if the parish levee construction is delayed, will it delay project construction? Are there reasonable assurances that the parish is ready to build? Can an indefinite delay in the parish levee, delay the project indefinitely?

Karen McCormick, Chief  
Marine and Coastal Protection Section  
EPA R6 (WQ-EC)  
1445 Ross Avenue  
Dallas, TX 75202-2733  
office: 214-665-8365  
cell: 214-789-2814

From: Richard Hartman <Richard.Hartman@noaa.gov>  
To: Karen McCormick/R6/USEPA/US@EPA, "Goodman, Melanie L MVN"  
<Melanie.L.Goodman@usace.army.mil>  
Date: 09/27/2010 02:07 PM

Subject: North Lake Boudreaux concerns

---

Karen and Melanie - the below identifies our concerns related to the North Lake Boudreaux project. If you concur, feel free to send directly to Ronnie Paille and Andrew Beale.

#### CWPPRA Financial Obligation

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Rick

## Massiello, Allison MVN-Contractor

---

**From:** Ronald\_Paille@fws.gov  
**Sent:** Thursday, September 30, 2010 8:09 PM  
**To:** Goodman, Melanie L MVN  
**Cc:** Massiello, Allison MVN-Contractor; Andrew.Beall@la.gov; britt paul; Crawford.Brad@epamail.epa.gov; Darryl Clark; Jurgensen, John - Alexandria, LA; Kaspar.Paul@epamail.epa.gov; Kelley Templet; Kevin\_Roy@fws.gov; kirk rhinehart; Llewellyn.Chris@epamail.epa.gov; Wingate, Mark R MVN; Mayer, Martin S MVN; Kilroy, Maurya MVN; McCormick.Karen@epamail.epa.gov; Feldmeier, Paula MVN; Serio, Pete J MVN; Richard Hartman; Ronald\_Paille@fws.gov; Teague.Kenneth@epamail.epa.gov; Holden, Thomas A MVN; Patrick.Coco@LA.GOV; MarcR@TBSmith.com; allevron@tpcg.org; Jason.Kennedy@tbsmith.com; Kevin.Rizzo@tbsmith.com  
**Subject:** Re: CWPPRA North Lake Boudreaux Project, Task Force Agency Concerns  
**Attachments:** pic05703.gif; Responses to Consolidated Concerns 30-Sept-2010.doc; graycol.gif; ecblank.gif

Folks, working together with Terrebonne Parish, we have addressed the issues raised. Please see the attached document. If there are any questions or remaining issues, please contact me at your earliest convenience. Thank you!  
(See attached file: Responses to Consolidated Concerns 30-Sept-2010.doc)

Ronny Paille  
U.S. Fish and Wildlife Service  
646 Cajundome Blvd., Suite 400  
Lafayette, LA 70506  
Ph: 337-291-3117  
Fx: 337-291-3139  
Email: Ronald\_Paille@FWS.GOV

Inactive hide details for "Goodman, Melanie L MVN"  
<Melanie.L.Goodman@usace.army.mil>"Goodman, Melanie L MVN" <Melanie.L.Goodman@usace.army.mil>

"Goodman, Melanie L MVN" <Melanie.L.Goodman@usace.army.mil>

09/27/2010 07:06 PM

To

<Ronald\_Paille@fws.gov>, <Andrew.Beall@la.gov>

cc

"Richard Hartman" <Richard.Hartman@noaa.gov>, <Crawford.Brad@epamail.epa.gov>, <Llewellyn.Chris@epamail.epa.gov>, <Kaspar.Paul@epamail.epa.gov>, <Teague.Kenneth@epamail.epa.gov>, "Wingate, Mark R MVN" <Mark.R.Wingate@usace.army.mil>,

"Holden, Thomas A MVN" <Thomas.A.Holden@usace.army.mil>, "britt paul" <britt.paul@la.usda.gov>, "Jurgensen, John - Alexandria, LA" <john.jurgensen@la.usda.gov>, "kirk rhinehart" <kirk.rhinehart@la.gov>, "Kelley Templet" <Kelley.Templet@LA.GOV>, <Kevin\_Roy@fws.gov>, <McCormick.Karen@epamail.epa.gov>, "Darryl Clark" <darryl\_clark@fws.gov>, "Serio, Pete J MVN" <Pete.J.Serio@usace.army.mil>, "Mayer, Martin S MVN" <Martin.S.Mayer@usace.army.mil>, "Feldmeier, Paula MVN" <Paula.M.Feldmeier@usace.army.mil>, "Kilroy, Maurya MVN" <Maurya.Kilroy@usace.army.mil>, "Massiello, Allison MVN-Contractor" <Allison.Massiello@usace.army.mil>

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EPA R6 (WQ-EC)  
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Rick

**Responses to Consolidated Concerns  
North Lake Boudreaux Basin Freshwater Introduction Project (TE-32a)  
September 30, 2010**

Agency concerns are listed below. Project team responses are provided in italics.

1. The actual investment of CWPPRA funds needs to be justified by the actual cost of constructing features to the elevation necessary to prevent project-induced flooding. A blanket \$1,000,000 is not appropriate.

*The Parish wishes to build the levee to +8.0', which is 7.0' above natural ground of +1.0'. Because average water levels are +1.0', and because CWPPRA would need to build a 1.0' high levee to protect against the project-induced maximum water level rise of 6" (with safety factor), CWPPRA would need to cover 1/7<sup>th</sup> the costs for the Parish-designed levee and pump system. This cost allocation method is an alternative to the methodology discussed at the Tech Committee meeting of 9/28/10. Those costs are estimated to be \$6,879,417 (see accompanying pdf cost spreadsheets). Accordingly, the CWPPRA financial obligation would be \$982,774.*

2. The financial liability to CWPPRA is a concern for potential levee failure. The risk of potential levee failure should be assessed.

*Liability reduction/avoidance would be provided by 1) having the Parish be the applicant for the levee/forced drainage features, and 2) by having the Parish execute an agreement to indemnify the State, FWS, the federal Government, and the CWPPRA Program.*

3. The acres of direct and indirect wetland impacts should be verified to the agencies for whatever is demonstrated to be necessary to protect against project-induced flooding.

*Based on the rationale presented in #1 above, CWPPRA is responsible for 1/7<sup>th</sup> of the forced drainage impacts. Total forced drainage impacts (with some recent corrections to more accurately assess project impacts) and the CWPPRA share of those impacts are listed below:*

<b>Forced Drainage Impacts</b>	<b>Hardwoods Net AAHUs</b>	<b>Hardwoods Net TY20 Acres</b>	<b>Marsh Net AAHUs</b>	<b>Marsh Net TY20 Acres</b>
North Forced Drainage Area Marshes			-9.02	-19.97
North Forced Drainage Area Hardwoods	0.73	11.88		
South Forced Drainage Area Marshes			-9.45	-15.23
South Forced Drainage Area Hardwoods	0.31	2.41		
<b>TOTAL</b>	1.04	14.28	-18.47	-35.19
<b>6/7th Parish obligation</b>	<b>0.89</b>	<b>12.24</b>	<b>-15.83</b>	<b>-30.17</b>
<b>1/7th CWPPRA obligation</b>	<b>0.15</b>	<b>2.04</b>	<b>-2.64</b>	<b>-5.03</b>

Without the considering the forced drainage features, the CWPPRA project benefits (with some recent corrections to more accurately assess project impacts) are as follows:

<b>Benefit/Impact Area</b>	<b>Hardwoods Net AAHUs</b>	<b>Hardwoods Net TY20 Acres</b>	<b>Marsh Net AAHUs</b>	<b>Marsh Net TY20 Acres</b>
Receiving Area Marshes				
West Subarea			480.33	242.51
East Subarea			121.10	34.00
Bayou Pelton Marshes			-3.96	-8.20
Bayou Pelton Bottomland Hardwoods	-0.63	-1.51		
Bayou Pelton Nourishment Cells Marshes			1.05	3.29
Bayou Pelton Nourishment Cells Hardwoods	1.11	0.00		
<b>TOTAL</b>	<b>0.48</b>	<b>-1.51</b>	<b>598.51</b>	<b>271.60</b>

When the above total benefits are combined with 1/7<sup>th</sup> of the forced drainage impacts, the total CWPPRA benefits are as listed below:

<b>Benefits including Forced Drainage</b>	<b>Hardwood Net AAHUs</b>	<b>Hardwoods Net TY20 Acres</b>	<b>Marsh Net AAHUs</b>	<b>Marsh Net TY20 Acres</b>
<b>TOTAL CWPPRA Benefits</b>	<b>0.63</b>	<b>0.53</b>	<b>595.87</b>	<b>266.57</b>
<b>TOTAL CWPPRA AAHUs</b>	<b>596.50</b>			
<b>TOTAL CWPPRA Acres</b>	<b>267.10</b>			

4. Direct Wetland Impacts: CWPPRA should only be responsible to protect against CWPPRA-project induced flooding (risk). The Parish should indicate in writing that they will implement a stand alone mitigation project, acreage to be determined, to offset all impacts above the minimum footprint necessary to protect from project-induced flooding. This includes direct impacts associated with the North and South Levee, as well as the portion of the Conveyance Channel Guide Levee to forms the Southern Forced Drainage Area.

*Given that the Parish will be the applicant for the levee system permit, they will naturally be responsible (through Section 404 permit process) for the non-CWPPRA portion of levee impacts estimated to be 30.17 acres as shown above. Because the reaches of the conveyance channel design that would serve as forced drainage levee do have greater impacts than the reaches that do not serve as levee, there is no additional impact associated with the dual purpose. Hence, there is no additional forced drainage system impact to mitigate and the entire direct impacts associated with conveyance channel construction would be appropriately mitigated through CWPPRA project benefits.*

5. Indirect Wetland Impacts: Need conservation servitudes on wetlands in both the proposed northern and southern forced drainage areas. Enclosed wetlands are more likely to be developed. Potential protection via the 404 Program is unacceptable as the rigor of the 404(b)(1) alternatives analysis will be affected with the presence of a levee.

*Al Levron, Terrebonne Parish Manager, stated at the September 28, 2010, Technical Committee public meeting, that the parish could pursue acquisition of conservation easements for the enclosed wetlands in both the north and south forced drainage systems. Additionally, the proposed water level management regime will maintain water levels at or near current average water levels, and would thus not encourage additional development of wetlands.*

6. Need commitment from the Parish to maintain water levels inside both enclosed areas appropriate to maintain the health of the enclosed wetland plant community. Need commitment from the Parish to monitor (water level, wetland coverage and type) on a regular basis to demonstrate performance compliance.

*As the Parish will be the permit holder, the Parish will be responsible for conducting reasonable monitoring requirements (note that O&M obligations will be Parish responsibilities as CWPPRA will merely give the Parish funding to assist in levee construction). The Parish conducts such monitoring for other forced drainage projects and Al Levron, Terrebonne Parish Manager, stated at the September 28, 2010, Technical Committee public meeting that the parish would monitor water levels behind the levees in the enclosed wetland areas as part of its levee O&M activities.*

7. Is the construction of the CWPPRA project dependant on the construction of the Parish levee or can it be constructed before the levee is completed? In other words, if the parish levee construction is delayed, will it delay project construction? Are there reasonable assurances that the parish is ready to build? Can an indefinite delay in the parish levee, delay the project indefinitely?

*Because the forced drainage system utilizes a portion of the conveyance channel spoil banks to reduce levee construction impacts, the levees are dependent on the CWPPRA project. Likewise, the CWPPRA project is dependent on completion of the levee features prior to introducing water and raising receiving area stages. The Parish is prepared to begin levee construction work upon receipt of CWPPRA project funding to prevent CWPPRA project water level impacts. Delays in acquisition of levee landrights and levee construction are not anticipated due to Parish legal authorities and the relatively short construction period for those forced drainage systems (relative to the longer CWPPRA project construction period).*

8. What is the USFWS/DOI Solicitor General legal opinion regarding

sufficiency of the flood impact analysis of the project and the proposed arrangement to pay an arbitrary sum of \$1m to the Parish for the levee as appropriate mitigation to offset potential flood impacts to private individuals and to reduce risk to the federal government?

*The USFWS/DOI Solicitor General has not been asked to provide an opinion, nor do we think it necessary to do so due to liability assurances made by Terrebonne Parish. Federal government risk will be avoided by having the Parish hold the USFWS and the CWPPRA Program harmless and by having the Parish serve as permit applicant and holder of the permit for the forced drainage systems, as well as construct that system.*

9. What is the construction schedule for the levee, and will it be completed prior to, after, or current with construction of the CWPPRA Project.

*The Parish will provide a construction schedule for the forced drainage systems.*

10. Is the entire, a portion, or percentage of the levee going to be a CWPPRA Project feature? How does the liability of the levee transfer to the federal government.

*Although initially, the forced drainage levees were considered to be project features, the project has been modified to remove the forced drainage measures from the listed project features. Given that the forced drainage system features will be permitted separately from the CWPPRA project features, and that the applicant for CWPPRA project features and forced drainage features are different, liability to the federal government is reduced. Additionally, the Parish agrees to execute an agreement which would indemnify the USFWS, the CWPPRA Program, and the federal government.*

11. If the CWPPRA Project is not built, will the parish build the levee anyway to the standard being required for the CWPPRA project implementation?

*If the CWPPRA project is not built, eventually, the Parish would likely build a forced drainage levee in the area needed by the CWPPRA project, due to subsidence, sea level rise, etc. That levee would likely be built to the Parish's standard (+8.0' NAVD88 levee top elevation). Because the Parish does not want to delay operation of the freshwater introduction project, they are motivated to expedite levee construction to avoid restoration project delays.*

12. The project design, including the levee design, NEPA environmental

assessment of alternatives, and legal review of potential risks to the government related to permitting will be further reviewed by the Corps during the permit application review process.

*Although we cannot speak for the Regulatory Branch of the New Orleans District Corps on Engineers, it is likely that they will review the proposed project when the Section 404 permit application for the levees is submitted by the Parish. The FWS will prepare the permit application for project features other than the forced drainage systems. The FWS will conduct a pre-application meeting to facilitate that review and understanding of the project.*

**NORTH LAKE BOUDREAUX FORCED DRAINAGE PROJECT  
NORTH PUMP STATION AND LEVEE SYSTEM  
CONSTRUCTION COST ESTIMATE  
TERREBONNE PARISH CONSOLIDATED GOVERNMENT  
TPCG PROJECT NO. 09-DRA-66**

9/29/2010  
Prepared By:



**I. Base Bid Items**

Item No.	Spec. No.	Description	Quantity	Unit	Unit Price	Total Price
1	201-01	Clearing & Grubbing	1	LUMP	\$120,000.00	\$ 120,000
2	203-07	Imported Borrow Material (Vehicular Measurement)	7,500	CY	\$20.00	\$ 150,000
3	203-08	Geotextile Fabric	3,100	SY	\$2.50	\$ 7,750
4	401-01	Aggregate Surface Course (Adj. Vehicular Measurement)	700	TON	\$60.00	\$ 42,000
5	701-12a	24" Bituminous Coated Corrugated Steel Pipe (BCCSP)	76	LF	\$100.00	\$ 7,600
6	701-12b	30" Bituminous Coated Corrugated Steel Pipe (BCCSP)	113	LF	\$125.00	\$ 14,125
7	701-12c	36" Bituminous Coated Corrugated Steel Pipe (BCCSP)	42	LF	\$150.00	\$ 6,300
8	701-12d	48" Bituminous Coated Corrugated Steel Pipe (BCCSP)	38	LF	\$200.00	\$ 7,600
9	705-02	Combination Mesh & Barbed Wire Fence	90	LF	\$25.00	\$ 2,250
10	705-05	Double Swinging Driveway Gates	2	DBGT	\$1,200.00	\$ 2,400
11	711-03	Riprap (Class 30)	225	TON	\$100.00	\$ 22,500
12	717-01	Seeding	390	LB	\$10.00	\$ 3,900
13	718-01	Fertilizaton	13,000	LB	\$2.00	\$ 26,000
14	727-01	Mobilization & Demobilization	1	LUMP	\$40,000.00	\$ 40,000
15	740-01	Construction Layout	1	LUMP	\$50,000.00	\$ 50,000
16	802-01	Structural Excavation	800	CY	\$20.00	\$ 16,000
17	802-05	Temporary Cofferdam and Dewatering	1	LUMP	\$100,000.00	\$ 100,000
18	803-03	Steel Sheet Pile	11,870	SF	\$40.00	\$ 474,800
19	804-01	Precast Concrete Piles (16" Square)	880	LF	\$70.00	\$ 61,600
20	804-02	Treated Timber Piles (Class B, 7" Tip 12" Butt)	3,520	LF	\$25.00	\$ 88,000
21	805-02	Structural Concrete, Class A (M) (Lower Slab + Fuel Tank Cont.)	66	CY	\$460.00	\$ 30,360
22	807-06	Structural Metalwork	1	LUMP	\$75,000.00	\$ 75,000
23	812-01	Treated Timber	0.1	MFBM	\$5,000.00	\$ 500
24	S-001	Excavation & Embankment	85,000	CY	\$5.25	\$ 446,250
25	S-002	Precast Concrete Deck & Access Bridges	1	LUMP	\$183,000.00	\$ 183,000
26	S-003	Diesel Engine Assembly	2	EA	\$67,500.00	\$ 135,000
27	S-004	30" Dia. Vertical Propeller Pumps	2	EA	\$68,000.00	\$ 136,000
28	S-005	Right Angle Gear Drives	2	EA	\$15,000.00	\$ 30,000
29	S-006	Discharge Pipe Support Bents	10	EA	\$4,000.00	\$ 40,000
30	S-007	30" Dia. Steel Discharge Pipe	385	LF	\$400.00	\$ 154,000
31	S-008	30" Discharge Pipe Check Valves	2	EA	\$15,000.00	\$ 30,000
32	S-009	Pump Station Building (with Chain-Link Fencing & Doors)	1	LUMP	\$52,000.00	\$ 52,000
33	S-010	2000 Gallon Fuel Tank	1	LUMP	\$35,000.00	\$ 35,000
34	S-011	Galvanized Steel Trash Screen	2	EA	\$35,000.00	\$ 70,000
35	S-012	Concrete Matting	100	SY	\$100.00	\$ 10,000
36	S-013	Slide Gate (30" dia. - 36" dia)	2	EA	\$1,000.00	\$ 2,000
37	S-014	Electrical	1	LUMP	\$70,000.00	\$ 70,000

**Construction Subtotal** \$ 2,741,935

**10% Contingency** \$ 274,194

**Construction Total** \$ 3,016,129

**Basic Design** \$ 145,323

**Additional Services**

Permits	\$ 30,000
Field Survey	\$ 30,000
Geotechnical Coordination	\$ 900
Rights-of-way Acquisition Coordination	\$ 8,000
Geotechnical Consultant	\$ 24,000
Resident Project Services	\$ 45,000
Reimbursable Expenses	\$ 6,000
<b>Subtotal</b>	<b>\$ 143,900</b>

**R.O.W. & Easement Acquisition** \$ 57,335

**Wetland Mitigation** \$ 334,000

**TOTAL PROJECT COST** \$ 3,696,686

**NORTH LAKE BOUDREAUX FORCED DRAINAGE PROJECT  
SOUTH PUMP STATION AND LEVEE SYSTEM  
CONSTRUCTION COST ESTIMATE  
TERREBONNE PARISH CONSOLIDATED GOVERNMENT  
TPCG PROJECT NO. 09-DRA-66**

9/29/2010

Prepared By:



**I. Base Bid Items**

Item No.	Spec. No.	Description	Quantity	Unit	Unit Price	Total Price
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4	401-02	Aggregate Surface Course (Adj. Vehicular Measurement)	500	CY	\$60.00	\$ 30,000
5	701-12	30" Bituminous Coated Corrugated Steel Pipe (BCCSP)	110	LF	\$125.00	\$ 13,750
6	705-02	Combination Mesh & Barbed Wire Fence	95	LF	\$25.00	\$ 2,375
7	705-05	Double Swinging Driveway Gates	2	DBGT	\$1,200.00	\$ 2,400
8	711-03	Riprap (Class 30)	225	TON	\$100.00	\$ 22,500
9	717-01	Seeding	215	LB	\$10.00	\$ 2,150
10	718-01	Fertilizaton	7,200	LB	\$2.00	\$ 14,400
11	723-02	Granular Material (Adj, Vehicular Measurement, 70 lb/ft <sup>3</sup> max density)	100	CY	\$60.00	\$ 6,000
12	727-01	Mobilization & Demobilization	1	LS	\$40,000.00	\$ 40,000
13	740-01	Construction Layout	1	LS	\$50,000.00	\$ 50,000
14	802-01	Structural Excavation	930	CY	\$20.00	\$ 18,600
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27	S-006	Discharge Pipe Support Bents	8	EA	\$4,000.00	\$ 32,000
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29	S-008	24" Discharge Pipe Check Valves	2	EA	\$9,000.00	\$ 18,000
30	S-009	Pump Station Building (with Chain-Link Fencing & Doors)	1	LS	\$52,000.00	\$ 52,000
31	S-010	1000 Gallon Fuel Tank	1	LS	\$20,000.00	\$ 20,000
32	S-011	Galvanized Steel Trash Screen	2	EA	\$35,000.00	\$ 70,000
33	S-012	Concrete Matting	450	SY	\$90.00	\$ 40,500
34	S-013	Slide Gate for 30" BCCSP	1	EA	\$1,000.00	\$ 1,000
35	S-014	Electrical	1	LS	\$65,000.00	\$ 65,000

**Construction Subtotal** \$ 2,474,710

**10% Contingency** \$ 247,471

**Construction Total** \$ 2,722,181

**Basic Design** \$ 131,160

**Additional Services**

Permits	\$ 20,000
Field Survey	\$ 20,000
Geotechnical Coordination	\$ 600
Rights-of-way Acquisition Coordination	\$ 8,000
Geotechnical Consultant	\$ 16,000
Resident Project Services	\$ 30,000
Reimbursable Expenses	\$ 4,000
<b>Subtotal</b>	<b>\$ 98,600</b>

**R.O.W. & Easement Acquisition** \$ 33,290

**Wetland Mitigation** \$ 197,500

**TOTAL PROJECT COST** \$ 3,182,731



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
646 Cajundome Blvd.  
Suite 400  
Lafayette, Louisiana 70506

September 17, 2010

Mr. Thomas Holden, Chairman  
CWPPRA Technical Committee  
U.S. Army Corps of Engineers  
P.O. Box 60267  
New Orleans, Louisiana 70160-0267

Dear Mr. Holden:

The U.S. Fish and Wildlife Service (Service) and the Louisiana Office of Coastal Protection and Restoration (OCPR) hereby requests Phase II approval to begin construction of the North Lake Boudreaux Basin Freshwater Introduction Project (TE-32a). The project was authorized for Phase I engineering and design by the Louisiana Coastal Wetlands Conservation and Restoration Task Force on April 24, 1997. This request and the required enclosures are submitted in accordance with the provisions of the CWPPRA Project Standard Operating Procedures (SOP) Manual. Because of project construction cost increases and the use of new methods for determining project benefits, the current cost and benefits estimates have changed by more than 25%. Consequently, a scope change has also been submitted as required by the SOP Manual.

The project received favorable 30% and 95% Design Reviews on August 4, 2009, and June 29, 2010, respectively. However, some concerns have been expressed regarding the project's partial funding of forced drainage measures to prevent project-induced flooding of developed properties adjoining the freshwater receiving area. We plan to resolve those issues through the National Environmental Policy Act and Section 404 permit application processes. Phase II Authorization Request Information, checklist of Phase II requirements, project cost spreadsheet, and a scope change request are enclosed. Should you have further questions, please contact Ronny Paille (337/291-3117) of this office.

Sincerely,

James F. Boggs  
Supervisor  
Louisiana Field Office

Enclosures

cc: Melanie Goodman, Corps, New Orleans, LA  
Kirk Rhinehart, LA OCPR, Baton Rouge, LA



# United States Senate

WASHINGTON, DC 20510-1804

October 5, 2010

The Honorable Michel Claudet  
Parish President  
Terrebonne Parish Consolidated Government  
P.O. Box 2768  
Houma, LA 70360

**RE: Landrieu Project No. 998810**

Always refer to the Landrieu Project No. when communicating with this office.

Dear President Claudet:

I am pleased to know that the Terrebonne Parish Consolidated Government has obtained the right of way for the conveyance channel that could allow implementation of the coast 2050 strategy. It is my understanding that this plan will attempt to convey Atchafalaya River water into the marshes of Terrebonne Parish.

The Terrebonne Parish Consolidated Government is to be commended on its efforts to address the cause of wetlands loss by implementing a freshwater reintroduction project between two of its most populated bayou communities, Chauvin and Dulac. When built, this project should help protect the Parish's estuary, wildlife, homes and businesses and introduce much needed freshwater into the Lake Boudreaux basin. It is therefore a pleasure for me to have the opportunity to lend my support for a project such as this.

I wish you the very best in all your future endeavors and please do not hesitate to let me know whenever I can be of any further assistance in any appropriate way.

With kindest regards, I am

Sincerely,



Mary L. Landrieu  
United States Senator

MLL:rel

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**REQUEST FOR A CHANGE IN THE PROJECT SCOPE FOR THE BAYOU DUPONT RIDGE CREATION AND MARSH RESTORATION PROJECT (BA-48) DUE TO AN ESTIMATED BUDGET INCREASE**

**For Decision:**

The NMFS and OCPR are requesting a change in the project scope due to an estimated budget increase over 89%. The Bayou Dupont Ridge Creation and Marsh Restoration Project was approved on PPL17. The original approved total project cost is \$21,626,767. While the project area and features are largely the same, increases in the estimated unit dredge and mobilization costs have resulted in a phase 2 estimate that is significantly higher than the phase 1 fully funded cost estimate. While the estimated fully funded cost and updated WVA are pending Engineering and Environmental Work Group review, NMFS and OCPR wish to proceed to 95% design in late October 2010 and proceed to a Phase 2 funding request for January 2011. The Task Force will consider the Technical Committee's recommendation to approve the request for a scope change to increase in the estimated total project budget to not exceed \$42,500,000, so the project may proceed to 95% design.

**Technical Committee Recommendation:**

The Technical Committee recommends approval for the Bayou Dupont Ridge Creation and Marsh Restoration Project (BA-48) scope change to increase in the estimated total project budget. Not to exceed \$42,500,000, so the project may proceed to 95% design.

**Bayou Dupont Ridge Creation and Marsh Restoration (BA-48)**  
**Change in Project Scope**  
**Report to the Technical Committee**  
**September 28, 2010**

The Bayou Dupont Ridge Creation and Marsh Restoration project (BA-48) was approved on PPL 17 in 2007 for an estimated fully funded cost of \$21,626,767. The National Marine Fisheries Service and Louisiana Office of Coastal Protection and Restoration request a project scope change to increase the budget over 25% of the Phase I budget.

The initial Bayou Dupont project, BA-39, was the first CWPPRA-sponsored project to mine sediment from the Mississippi River for marsh creation. The actual bid price was used as the basis for deriving the construction cost estimate for BA-48. During the course of constructing BA-39, difficulties arose related to high river stage, navigation safety, and equipment limitations that resulted in a 40% higher bid price for constructing a second phase of BA-39.

With a limited data set to determine an appropriate dredge price for mining the river, the OCPR generated a dredge price for BA-48 using the following sources: 1) an independent cost estimate conducted by OCPR field staff assuming the equipment and river conditions experienced during BA-39, and 2) analysis of data provided through the Long-Distance Sediment Pipeline feasibility study. The result of this effort was a 40% increase in the unit dredge cost from that determined during Phase 0. This cost increase, as well as revised estimated values for mobilization and other items, will cause the revised fully funded cost estimate to be approximately \$42,500,000 or 97% over the original budget (Table 1). The overall project features remain the same, except an avoidance of a small area in the northwest corner of the project area due to cultural resources concerns. A revised WVA is being performed at this time to update the benefits assessment, which is expected to have a nominal change to total benefited acres.

While this is a significant cost increase, there are multiple benefits to continuing with this project. Specifically, a significant investment has been made to prepare a pipeline corridor for these efforts, and there are future planned projects in the area that will work together to help recover the Bayou Dupont watershed. Moreover, mining from the river has long been proposed by both academics and agencies as one of the most sustainable approaches to ecosystem restoration. As reflected in the attached letter, the OCPR concurs with the NMFS that this project is meritorious and as such, should be allowed to proceed to 95% design and request for Phase 2 approval.

The fully funded revised budget has not yet been determined by the Economic Work Group. The first costs and O&M estimates will be submitted to the Economic Working Group by September 15, 2010. As such, this estimate may increase or decrease slightly. At this time, we request Technical Committee approval to proceed to 95% design, which will culminate with a design conference tentatively scheduled for October 27.

**Table 1: Original vs. Revised Cost Effectiveness.**

	<b>Original Phase I Project</b>	<b>Revised Project</b>
Estimated Fully Funded Cost	\$21,626,767	Approximately \$42.5 M (97% increase) * Pending review of Engineering and Economic WGs, estimate only
Constructed Acres	317	304 (4% decrease)
Net Acres Year 20	187 acres marsh; 17 acres ridge	184 acres marsh; 17 acres ridge* Pending review of WVA by Environmental WG



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

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



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

Background Imagery:  
 2008 Digital Orthophoto Quarter Quadrange  
 Map Date: September 21, 2010  
 Map ID: USGS/WVRC/2010-11-0103  
 Data accurate as of: September 21, 2010



Coastal Protection and  
Restoration Authority of Louisiana

# State of Louisiana

**BOBBY JINDAL**  
GOVERNOR

August 25, 2010

Ms. Cecelia Linder  
NMFS Restoration Center, F/HC3  
1315 East West Highway  
Silver Spring, MD 20910

Re: 30% Design Review Concurrence for Bayou Dupont Marsh and Ridge Restoration  
Project (BA-48)  
Statement of Local Sponsor Concurrence

Dear Ms. Linder:

The 30% Design Review meeting for the Bayou Dupont Marsh and Ridge Restoration (BA-48) project was held on June 29, 2010. Based on our review of the technical information compiled to date, the land ownership investigation, and the preliminary design, the Office of Coastal Protection and Restoration, as the local sponsor, concurs to proceed with the design of BA-48. In accordance with the CWPPRA Standard Operating Procedures, we request that you forward this letter of concurrence to the Technical Committee and the Planning and Evaluation Subcommittee and proceed to 95% design level with the selected alternative and revised project cost estimate. We also request that our project manager, Kenneth Bahlinger, be copied on all correspondence concerning this project.

The revised BA-48 cost estimate reflects a change in scope resulting in 25% or greater variance from the original cost estimate. Therefore, OCPRA concurs with your report to the Technical Committee (dated September 28, 2010) stating the resultant increase in cost is primarily due to a justifiable increase in construction costs for dredge material and equipment.

Please do not hesitate to call if I may be of assistance.

Sincerely,

William K. "Kirk" Rhinehart  
Office of Coastal Protection and Restoration  
Planning Administrator

KR:kdb

cc: Richard Hartman, NOAA Fisheries  
Cheryl Brodnax, NOAA Fisheries  
Chris Williams, P.E., OCPR Administrator  
Kenneth Bahlinger, OCPR Project Manager  
Patrick Coco, EIT, OCPR Project Engineer  
TE-52 Project File



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

## Project Status

**Approved Date:** 2007      **Project Area:** 317 acres  
**Approved Funds:** \$2.01 M      **Total Est. Cost:** \$21.6 M  
**Net Benefit After 20 Years:** 187 acres  
**Status:** Engineering and Design  
**Project Type:** Marsh Creation

## Location

This project is located within the Barataria Basin in Jefferson Parish. It is specifically located along Bayou Dupont southeast of the enclosure known as the Pen.

## Problems

There is widespread historic and continued rapid land loss within the project site and surrounding areas resulting from subsidence, wind erosion, storms, and altered hydrology. Land loss data provided by the U.S. Geological Survey indicates that loss is occurring at a rate of 1.7% per year, which is significant within any watershed. Furthermore, the natural limits of Bayou Dupont are difficult to determine in some areas because land loss is causing the coalescence of the bayou with adjacent water bodies. Natural tidal flow and drainage patterns that once existed through the bayou are currently circumvented by the increasing area of open water.



Aerial View of Bayou Dupont Project Area

## Restoration Strategy

Project goals include 1) creating and nourishing approximately 300 acres of marsh through pipeline sediment delivery from the Mississippi River, and 2) creating a ridge along a portion of the southwestern shoreline of Bayou Dupont. Sediment from the river will be hydraulically pumped to the project site to construct both the marsh and ridge features. The ridge is being designed to mimic the configuration of other natural ridges within the watershed, which will include a constructed elevation conducive for the growth of native vegetation such as live oak, hackberry, and Yaupon. The ridge will help redefine the limits of Bayou Dupont and reestablish the natural bank that once flanked the bayou and protected adjacent marshes.

## Progress to Date

Construction funds will be requested in Fall 2010.

This project is on Priority Project List 17.

*For more project information, please contact:*



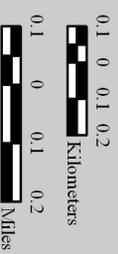
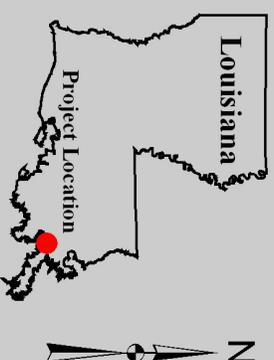
**Federal Sponsor:**  
National Marine Fisheries Service  
Baton Rouge, LA  
(225) 389-0508



**Local Sponsor:**  
Louisiana Department of Natural Resources  
Baton Rouge, La.  
(225) 342-7308

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

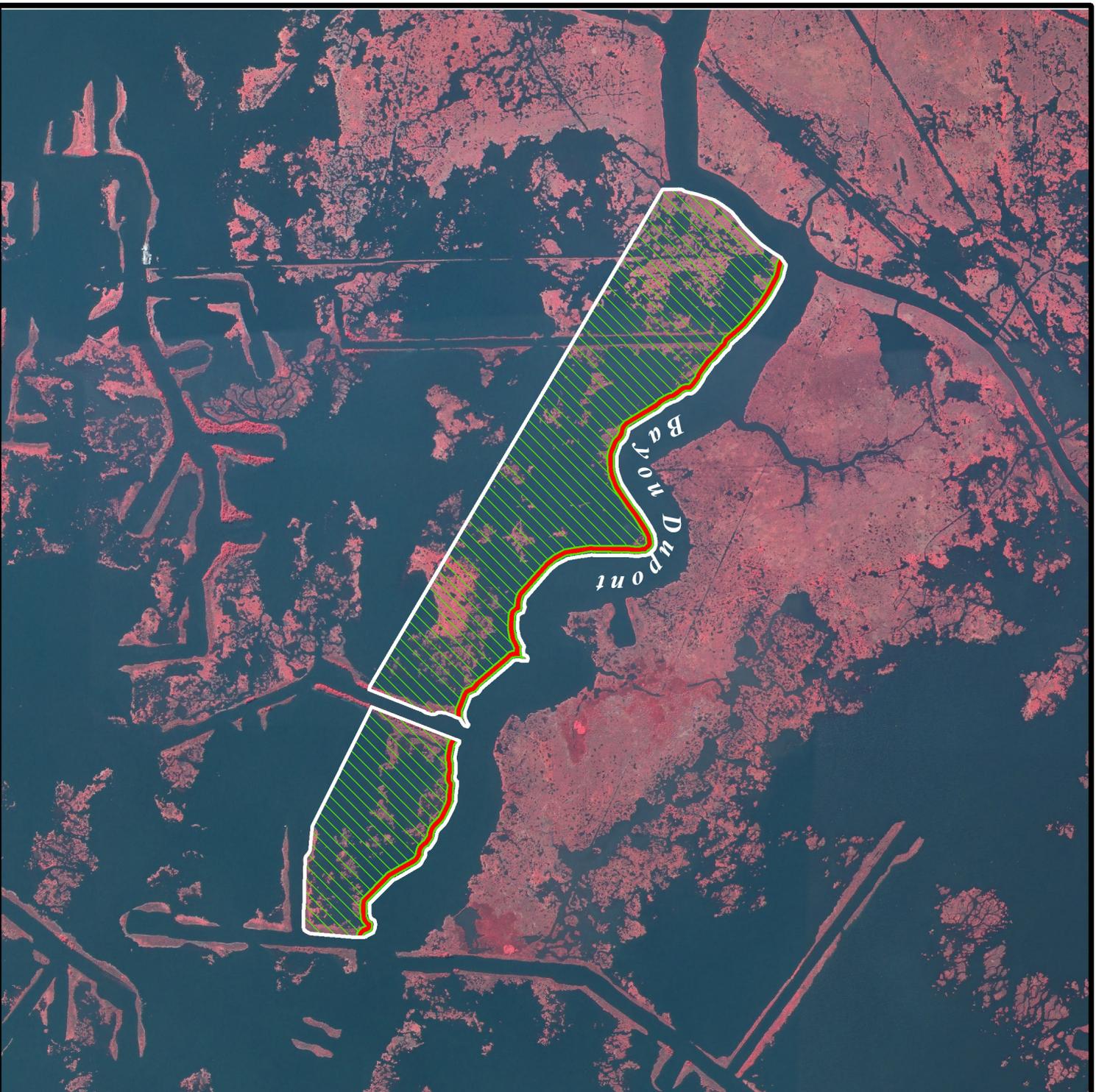
-  Ridge Creation \*
  -  Marsh Creation \*
  -  Project Boundary
- \*denotes proposed features



Map Produced by:  
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Baton Rouge, La.

Background Imagery:  
2005 Digital Orthophoto Quarter Quadrangle

Map Date: November 08, 2007  
Map ID: USGS-NWRC 2008-11-0059  
Data accurate as of: August 23, 2007

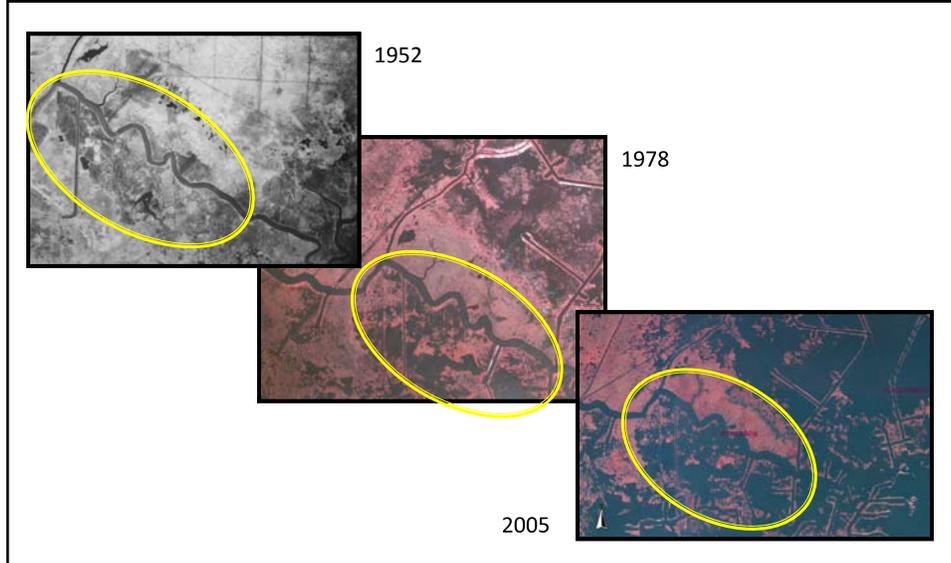




## **BA-48 Project Background**

- Nominated by the NMFS in January 2007 at the Region II RPT meeting
- Selected by CWPPRA Technical Committee as PPL 17 Candidate in September 2007
- Approved for Phase 1 funding by CWPPRA Task Force in October 2007
- 30% design held on June 29, 2010

## Historical Aerial Imagery



## BA-48 Project Purpose

- Goals –
  - Redefine Bayou Dupont bank line
  - Re-establish lost marsh habitat
  - Utilize material from the Mississippi River to create a ridge and restore adjacent marsh

## Project Boundary



original



revised for cultural resources offset

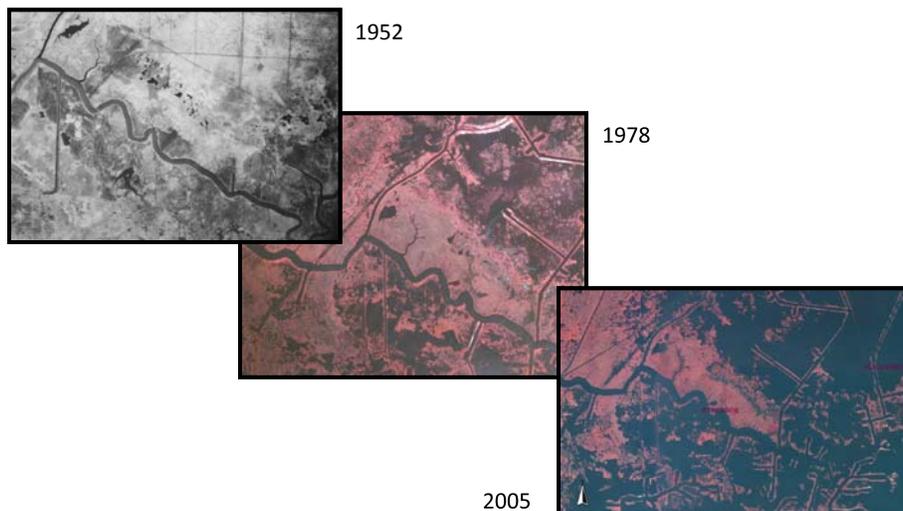
## Change of Scope Analysis

	Original Phase I Project	Revised Project
Estimated Fully Funded Cost	\$21,626,767	Approximately \$42.5 M (97% increase) * Pending review of Eng and Economic WGs, estimate only
Constructed Acres	317	304 (4% decrease)
Net Acres Year 20	187 acres marsh; 17 acres ridge	184 acres marsh; 17 acres ridge* Pending review of WVA by Environmental WG

## BA-48 Proposed Features

- Approximately 184 acres of marsh would be created and 103 acres of existing marsh would be nourished via confined disposal of sediment dredged from the Mississippi River.
  - *Almost same as proposed in Phase O*
- About 17 acres of ridge would be created along the bayou after the fill material consolidates to allow shaping up to a +4.5 ft crown.
  - *Phase O proposed a +6 ft crown*
  - *Ridge primarily is re-establishing the bank line – primary plantings (and expected colonizers) will be grass species and scrub shrub but will also include a small number of woody species suggested by NRCS PMC – yaupon, hackberry, mulberry, myrtle, etc.*
- The project would benefit 304 acres of brackish fresh marsh and open water.
- Project plantings along the ridge and marsh, and invasive species control

## Questions?



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**REQUEST FOR APPROVAL TO INITIATE DEAUTHORIZATION OF THE SOUTH  
PECAN ISLAND FRESHWATER INTRODUCTION PROJECT (ME-23)**

**For Decision:**

The Office of Coastal Protection and Restoration, the local sponsor, and NMFS, the Federal sponsor, request approval to initiate the deauthorization of the South Pecan Island Freshwater Introduction Project (ME-23) based on a significant decrease in the project's cost effectiveness. The Task Force will consider the Technical Committee's recommendation to approve the initial deauthorization of the South Pecan Island Freshwater Introduction Project (ME-23).

**Technical Committee Recommendation:**

The Technical Committee recommends approval to initiate the deauthorization of the South Pecan Island Freshwater Introduction Project (ME-23).

## Massiello, Allison MVN-Contractor

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**From:** Goodman, Melanie L MVN  
**Sent:** Thursday, September 16, 2010 8:55 AM  
**To:** 'Kelley Templet'  
**Cc:** 'Kirk Rhinehart'; 'Cecelia.Linder'; 'John.Foret@noaa.gov'; Massiello, Allison MVN-Contractor  
**Subject:** RE: South Pecan Deauthorization

Kelley, we will add it to the agenda, it may be included as an additional agenda item since we have started compiling the binders to be mailed out today. Please provide formal letter explaining the details (changes in benefit acres/cost) ASAP.

Thanks,

Melanie

-----Original Message-----

**From:** Kelley Templet [mailto:Kelley.Templet@LA.GOV]  
**Sent:** Thursday, September 16, 2010 6:28 AM  
**To:** Goodman, Melanie L MVN  
**Cc:** Kirk Rhinehart; 'Cecelia.Linder'; John.Foret@noaa.gov  
**Subject:** South Pecan Deauthorization

Melanie,

As we discussed, please add this item to the Technical Committee meeting agenda. John Foret will be attending the TC meeting and can give a brief overview of the project if needed. I will be out in the field all day today so if you have any questions, please contact John or Cece.

1. Discussion/Decision: Request for approval to Initiate Deauthorization. The Office of Coastal Protection and Restoration, the local sponsor, and NMFS, the Federal sponsor, request approval to initiate the deauthorization of the South Pecan Island Freshwater Introduction Project (ME-23) based on a significant decrease in the project's cost effectiveness.

Thanks,

Kelley

Kelley Templet

Office of Coastal Protection and Restoration

Planning Branch

450 Laurel Street, 12th floor  
Baton Rouge, LA 70801

clip\_image001

Phone: (225) 342-1592

Fax: (225) 342-9417

[kelly.templet@la.gov](mailto:kelly.templet@la.gov)



# State of Louisiana

BOBBY JINDAL  
GOVERNOR

September 15, 2010

Mr. Thomas A. Holden Jr., P.E.  
Chairman  
CWPPRA Technical Committee  
US Army Corps of Engineers-NOD  
P.O. Box 60267  
New Orleans, LA 70160-0267

RE: South Pecan Island Freshwater Introduction Project (ME-23)

Dear Mr. Holden:

Please accept this correspondence as the State of Louisiana's official request to deauthorize the CWPPRA South Pecan Freshwater Introduction project (ME-23) based on a significant decrease in the project's cost effectiveness. This was due in part to requests for additional modifications to the property. The number of modifications exceeds the cost limitations as designed, thereby reducing the overall technical merit of the project. This letter has been reviewed by NMFS, the Federal sponsor, and they have concurred.

Please direct questions regarding this matter to the OCPR Project Manager, Kenneth Bahlinger (225-342-7362).

Sincerely,

A handwritten signature in black ink, appearing to read "William K. Rhinehart", written over a horizontal line.

William K. "Kirk" Rhinehart  
Office of Coastal Protection and Restoration  
Planning Administrator

c: Richard Hartman, NMFS, Baton Rouge, LA  
Britt Paul, NRCS, Alexandria, LA  
Karen McCormick, EPA, Dallas, TX  
Darryl Clark, USFWS, Lafayette, LA  
Kenneth Bahlinger, OCPR Project Manager

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**ADDITIONAL AGENDA ITEMS**

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**REQUEST FOR PUBLIC COMMENTS**

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**DATES OF UPCOMING CWPPRA PROGRAM MEETINGS**

**For Announcement:**

The CWPPRA 20<sup>th</sup> Anniversary Fall Dedication Ceremony will be held October 14, 2010 at 10:00 a.m. at the Cameron Prairie National Wildlife Refuge Complex, 1428 Highway 27, Bell City, Louisiana. The Technical Committee meeting has been rescheduled to December 8, 2010.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 13, 2010

**SCHEDULED DATES OF FUTURE PROGRAM MEETINGS**

**For Announcement:**

**2010**

October 14, 2010	10:00 a.m.	Dedication Ceremony	Bell City
November 16, 2010	7:00 p.m.	PPL 20 Public Meeting	Abbeville
November 17, 2010	7:00 p.m.	PPL 20 Public Meeting	New Orleans
December 8, 2010	9:30 a.m.	Technical Committee	Baton Rouge

**2011**

January 18, 2011	9:30 a.m.	Task Force	New Orleans
January 25, 2011	1:00 p.m.	Region IV Planning Team Meeting	Rockefeller Refuge
January 26, 2011	9:00 a.m.	Region III planning Team Meeting	Houma
January 27, 2011	9:00 a.m.	Region II Planning Team Meeting	New Orleans
January 27, 2011	1:00 p.m.	Region 1 Planning Team Meeting	New Orleans
April 19, 2011	9:30 a.m.	Technical Committee	New Orleans
June 1, 2011	9:30 a.m.	Task Force	Lafayette
September 20, 2011	9:30 a.m.	Technical Committee	Baton Rouge