



## **4TH PRIORITY PROJECT LIST REPORT**

**PREPARED BY:**

**LOUISIANA COASTAL WETLANDS CONSERVATION AND RESTORATION  
TASK FORCE**

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Coastal Wetlands Planning, Protection and Restoration  
Act

4th Priority Project List Report

December 1994



Coastal Wetlands Planning, Protection and Restoration Act

4th Priority Project List Report

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### INTRODUCTION

The State of Louisiana contains 40 percent of the Nation's coastal wetlands, but is experiencing 80 percent of the Nation's coastal wetland loss. The widespread and complex nature of the coastal wetland loss problem, coupled with the diversity of agencies involved and numerous alternatives proposed, has led many in Federal, state, and local government, as well as the general public, to the conclusion that a comprehensive approach is needed. The Coastal Wetlands Planning, Protection and Restoration Act (PL 101-646) was signed into law by President Bush on November 29, 1990, to address the need for a comprehensive approach to this significant environmental problem.

This report documents the implementation of Section 303(a) of the cited legislation.

### STUDY AUTHORITY

Section 303(a) of the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA), displayed in Appendix A, directs the Secretary of the Army to convene the Louisiana Coastal Wetlands Conservation and Restoration Task Force to:

... initiate a process to identify and prepare a list of coastal wetlands restoration projects in Louisiana to provide for the long-term conservation of such wetlands and dependent fish and wildlife populations in order of priority, based upon the cost-effectiveness of such projects in creating, restoring, protecting, or enhancing coastal wetlands, taking into account the quality of such coastal wetlands, with due allowance for small-scale projects necessary to demonstrate the use of new techniques or materials for coastal wetlands restoration.

### STUDY PURPOSE

The purpose of this study effort was to prepare the 4th Priority Project List (PPL) and transmit the list to Congress, as specified in Section 303(a)(3) of the CWPPRA. Section 303(b) of the act calls for preparation of a comprehensive restoration plan for coastal Louisiana; that effort was completed in November 1993, with the submission of the Louisiana Coastal Wetlands Restoration Plan.

### PROJECT AREA

Plate 1 is a map which delineates the Louisiana coastal zone. The entire coastal area, which comprises all or part of 20 Louisiana parishes, is considered to be the

CWPPRA project area. To facilitate the study process, the coastal zone was divided into nine hydrologic basins, as shown on the map.

## STUDY PROCESS

### The Interagency Planning Groups.

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 (Appendix A). In addition, the State of Louisiana may not serve as a "lead" Task Force member for design and construction of wetlands projects of 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 Corps' New Orleans District to act in his place as chairman of the Task Force.

To assist it in putting the CWPPRA into action, the Task Force established the Technical Committee and the Planning and Evaluation Subcommittee. Each of these bodies contains the same representation as the Task Force--one member from each of the five Federal agencies and one from the State. The Planning and Evaluation Subcommittee is responsible for the actual planning of projects and preparation of this restoration plan, as well as the other details involved in the CWPPRA process (such as development of schedules, budgets, etc.); the subcommittee makes recommendations to the Technical Committee and lays the groundwork for all decisions which will ultimately be made by the Task Force. The Technical Committee reviews all materials prepared by the subcommittee, makes appropriate revisions, and provides recommendations to the Task Force. The Technical Committee operates at an intermediate level between the planning details considered by the subcommittee and the policy matters dealt with by the Task Force, and often formalizes procedures and assists in formulating policy for the Task Force.

The Planning and Evaluation Subcommittee established several working groups to evaluate projects for priority project lists and the restoration plan. The Environmental Work Group was charged with estimating the benefits (in terms of wetlands created, protected, enhanced, or restored) associated with various projects. The Engineering Work Group reviewed project cost estimates for consistency. The Economic Work Group performed the economic analysis which permitted comparison of projects on the basis of their cost effectiveness. The Monitoring Work Group established a standard procedure for monitoring of CWPPRA projects and developed a monitoring cost estimating procedure based on project type (Appendix E).

### The Citizen Participation Group.

The Task Force also established a Citizen Participation Group to provide general input from the diverse interests across the coastal zone: local officials, landowners, farmers, sportsmen, commercial fishermen, oil and gas developers, navigation interests, and environmental organizations. The Citizen Participation Group was formed to promote citizen participation and involvement in formulating priority project lists and the restoration plan. The group meets at its own discretion, but may at times meet in conjunction with other CWPPRA elements, such as the Technical Committee. The purpose of the Citizen Participation Group is to maintain consistent public review and input into the plans and projects being considered by the Task Force and to assist and participate in the public involvement program. The membership of the Citizen Participation Group is shown in Table 1.

Table 1  
Membership of the Citizen Participation Group

---

|  |  |
|--|--|
| Gulf Coast Conservation Association                            | Concerned Shrimpers of America                                 |
| Coalition to Restore Coastal Louisiana                         | Gulf Intracoastal Canal Association                            |
| Lake Pontchartrain Basin Foundation                            | Louisiana Association of Soil and Water Conservation Districts |
| Louisiana Farm Bureau Federation, Inc.                         | Louisiana Landowners Association                               |
| Louisiana League of Women Voters                               | Louisiana Nature Conservancy                                   |
| Louisiana Oyster Growers and Dealers Association               | Louisiana Wildlife Federation, Inc.                            |
| Midcontinent Oil and Gas Association                           | New Orleans Steamship Association                              |
| Oil and Gas Task Force (Regional Economic Development Council) | Police Jury Association of Louisiana                           |
| Organization of Louisiana Fishermen                            |  |

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### Involvement of the Scientific Community.

While the agencies sitting on the Task Force possess considerable expertise regarding Louisiana's coastal wetlands problems, the Task Force recognized the need to incorporate another invaluable resource: the state's scientific community. The Task Force therefore retained the services of the Louisiana Universities Marine Consortium (LUMCON) to provide scientific advisors to aid the Environmental Work Group in performing Wetland Value Assessments.

### Public Involvement.

Even with its widespread membership, the Citizen Participation Group cannot represent all of the diverse interests affected by Louisiana's coastal wetlands. The CWPPRA public involvement program provides an opportunity for all interested parties to express their concerns and opinions and to submit their ideas concerning the problems facing Louisiana's wetlands. The Task Force has held at least six public meetings each of the last four years to obtain input from the public. In addition, the Task Force plans to distribute a semiannual newsletter with information on the CWPPRA program and on individual projects.

## FORMULATION PROCESS FOR THE PRIORITY PROJECT LIST

### INTRODUCTION

The planning effort associated with the CWPPRA proceeded simultaneously along two tracks. Section 303(b) of the act calls for the development of a comprehensive restoration plan for Louisiana's coastal wetlands. This long term plan was developed over a three-year period, with the report completed in November 1993. Section 303(a), on the other hand, deals with projects which can be implemented within a short period of time. This section requires that any project selected for a priority project list be substantially complete within five years of its appearance on a list. The intent of this section is to provide a rapid response to the loss of coastal wetlands. The first Priority Project List was to be submitted within one year of enactment of the CWPPRA, with subsequent lists to be prepared annually through 1995.

The one-year time limit associated with developing a priority project list necessitated a deviation from the usual plan formulation process. Rather than beginning with a clean slate, it was preferable to begin with projects which were already developed to some degree--if possible, projects on which some planning had already been done. The projects on the Priority Project List submitted in November 1991 fell into this category.

Preparation of the second (submitted in November 1992), third (submitted in November 1993), and fourth lists, which involved somewhat more lead time than did the first list, employed a more traditional approach. This section describes the process by which the fourth list was developed.

### IDENTIFICATION OF PROJECTS

Projects considered for the fourth list were derived from the Louisiana Coastal Wetlands Restoration Plan. In the Restoration Plan, an identification number was assigned to each project to help keep track through the screening and evaluation process. Each project received a two-letter code to identify its basin; these codes are shown below.

|    |                         |    |                  |
|----|-------------------------|----|------------------|
| PO | Pontchartrain           | AT | Atchafalaya      |
| BS | Breton Sound            | TV | Teche/Vermilion  |
| MR | Mississippi River Delta | ME | Mermentau        |
| BA | Barataria               | CS | Calcasieu/Sabine |
| TE | Terrebonne              |    |                  |

Projects which were originally part of the State's Coastal Wetlands Conservation and Restoration Plan use these two letters followed by a number. Projects which were derived from the scoping meetings held in the fall of 1991 are identified by a "P" ("public") preceding the two-letter code (e.g., PPO-52, PTV-18).

Plan formulation meetings held from February through May 1992 were an additional source of projects for consideration for priority project lists. Projects which were proposed during and after these meetings are identified with an "X" (e.g., XTE-41).

## SCREENING OF PROPOSED PROJECTS

The procedure used in developing the 2nd and 3rd Priority Project Lists involved the use of the basin teams which had been established by the Task Force to formulate the comprehensive restoration plan called for by the CWPPRA. From among hundreds of proposed projects, each team nominated a number of projects from its basin. These nominees were then presented to the public in a series of meetings across the coastal zone. The Planning and Evaluation Subcommittee considered the comments made at these meetings when it selected candidate projects from among the nominees; these candidates were to be evaluated in detail for consideration for the priority project list. Following the evaluations, the Task Force made the final selection of priority list projects.

This procedure was modified in January 1994 with the intent of increasing the level of public involvement in the selection process. The Planning and Evaluation Subcommittee held three meetings for the purpose of selecting candidate projects for the 4th Priority Project List. These were held in Lake Charles, Thibodaux, and New Orleans. Each meeting was held over a two-day period to provide ample time for consideration of projects.

The public was invited to participate in these meetings, not only by commenting on projects nominated by the CWPPRA agencies, but also by nominating projects of their own. The sole requirement for nomination was that a project must be listed in the Louisiana Coastal Wetlands Restoration Plan. The subcommittee selected the candidate projects from among the nominees at each of the three meetings. Tables 2 through 10 show the projects nominated for each basin, along with an estimate of the cost and benefits of each project. (The "Status" column in each table shows whether a project is considered to be a critical part of its basin's restoration plan or a supporting part, and also whether it is considered to be a short-term or a long-term solution. The determinations were made by the basin teams in assembling the Louisiana Coastal Wetlands Restoration Plan.)

Selection of the candidates was accomplished by having each agency rank the nominees, assigning the most points to what it regarded as the most worthwhile project. The three projects gathering the most points were then named as the candidate projects from that basin. The rankings for the nominees in each basin are displayed in tables 11 through 17.

In all, 22 candidate projects were chosen to be evaluated in detail; these were the projects from which the 4th Priority Project List would be selected. In addition, the Planning and Evaluation Subcommittee decided 11 demonstration projects (some proposed by the agencies, some proposed by the public) merited consideration for the 4th Priority Project List. By Task Force policy, the total cost of demonstration projects for any list is generally limited to about \$2 million.

A lead federal agency was then assigned to each candidate project. The lead agency was responsible for developing the project more fully and producing designs and cost estimates. The lead agencies furnished design information to the Environmental Work Group, which performed a Wetland Value Assessment for each candidate project. The section entitled "Evaluation of Candidate Projects" summarizes the information developed by the lead agencies in this process.



Table 2  
 Potential Candidate Projects for the 4th Priority Project List  
 Pontchartrain Basin

| Project No. | Project Name                        | Status         | Acres<br>Created, Protected<br>and Restored | Net<br>Acres<br>Benefitted | Cost<br>(\$) | Cost per<br>Acre<br>(\$/Ac) | Cost per<br>Benefitted Acre<br>(\$/Ac) | Sponsoring Agency |
|-------------|-------------------------------------|----------------|---|----------------------------|--------------|-----------------------------|--|-------------------|
| PO-11       | Cutoff Bayou Hydrologic Restoration | Critical-Short | 103   | 503                        | 722,000      | 7,000                       | 1,400                                  | DNR/SCS           |
| PO-13       | Tangipahoa Shore Protection         | Critical-Short | 142   | 627                        | 4,850,000    | 34,200                      | 7,700                                  | SCS               |
| PO-15       | Alligator Point Marsh Restoration   | Critical-Short | 139   | 1,489                      | 1,575,000    | 11,300                      | 1,100                                  | DNR/SCS           |
| PPO-4       | Eden Isles East Marsh Restoration   | Support-Long   | 1,092                                       | 1,494                      | 8,856,000    | 8,100                       | 5,900                                  | NMFS              |
| XPO-48a     | Tennessee Williams Canal Bank Mod   | Support-Short  | 70  | 122                        | 269,000      | 3,800                       | 2,200                                  | EPA               |
| XPO-48b     | Hope Canal Bank Modification        | Support-Short  | 160   | 281                        | 290,000      | 1,800                       | 1,000                                  | EPA               |
| XPO-51      | Mancha WMA Hydrologic Rest          | Critical-Short | 486   | 1,195                      | 1,021,000    | 2,100                       | 900                                    | DNR/USACE         |
| XPO-69      | Bayou Chevee Shoreline Protection   | Critical-Short | 468   | 1,367                      | 2,672,000    | 5,700                       | 2,000                                  | USACE/USFWS       |
| XPO-80a     | Lower Pearl River Sediment Trapping | Support-Short  | 55  | 2,940                      | 660,000      | 12,000                      | 200                                    | EPA               |
| XPO-83      | Lake Athanasio Spit                 | Critical-Short | 99  | 1,713                      | 895,000      | 9,000                       | 500                                    | NMFS/USACE        |
| XPO-84      | St. Malo Hydrologic Restoration     | Critical-Short | 2   | 122                        | 658,000      | 329,000                     | 5,400                                  | NMFS              |
| XPO-88      | Point Platt Sediment Trapping       | Support-Short  | 74  | 1,138                      | 1,199,000    | 16,200                      | 1,100                                  | EPA               |
| XPO-93      | Marsh Creation w/ Biosolids Demo    | Demonstration  | NA  | NA                         | NI           | NA                          | NA                                     | USACE             |
| XPO-92      | Shore Prot Demo @ Bayou Chevee      | Demonstration  | NA  | NA                         | NI           | NA                          | NA                                     | USACE             |
| PPO-2b      | Lk Borgne SP South of B Bienvenue   | Critical-Short | 41  | 91                         | 578,000      | 14,100                      | 6,400                                  | Public            |
| PPO-2d      | Lk Borgne SP East of Shell Beach    | Support-Short  | 246   | 383                        | 1,664,000    | 6,800                       | 4,300                                  | Public            |
| PPO-2g      | Lk Borgn SP Chef to GIWW Bypass     | Critical-Short | 81  | 96                         | 1,708,000    | 21,100                      | 17,800                                 | Public            |

DNR Louisiana Department of Natural Resources  
 EPA U.S. Environmental Protection Agency  
 NMFS National Marine Fisheries Service  
 SCS Soil Conservation Service  
 USACE U.S. Army Corps of Engineers  
 USFWS U.S. Fish and Wildlife Service  
 NA Not Available

Table 3  
Potential Candidate Projects for the 4th Priority Project List  
Breton Sound Basin

| Project No. | Project Name                      | Status        | Acres                           |            | Cost (\$) | Cost per |                         | Sponsoring Agency      |
|-------------|-----------------------------------|---------------|---------------------------------|------------|-----------|----------|-------------------------|------------------------|
|             |                                   |               | Created, Protected and Restored | Benefitted |           | Acres    | Benefitted Acre (\$/Ac) |                        |
| BS-1a/b     | Rest of Bohemia Div & Outfall Mgt | Support-Short | 124                             | 658        | 1,642,000 | 13,200   | 2,500                   | NMFS/USACE             |
| BS-5        | Bayou Lamoque Outfall Management  | Support-Short | 350                             | 555        | 317,000   | 900      | 600                     | DNR/SCS/USACE          |
| BS-6        | Pump Outfall Mgy of N Lake Lery   | Support-Short | 169                             | 746        | 2,241,000 | 13,300   | 3,000                   | DNR/SCS                |
| PBS-6       | Grand Bay Crevasse                | Support-Short | 364                             | 800        | 1,563,000 | 4,300    | 2,000                   | DNR/EPA/NMFS/SCS/USACE |

Table 4  
Potential Candidate Projects for the 4th Priority Project List  
Mississippi River Delta Basin

| Project No. | Project Name                         | Status        | Acres                           |            | Cost (\$) | Cost per |                         | Sponsoring Agency   |
|-------------|--------------------------------------|---------------|---------------------------------|------------|-----------|----------|-------------------------|---------------------|
|             |                                      |               | Created, Protected and Restored | Benefitted |           | Acres    | Benefitted Acre (\$/Ac) |                     |
| MR-2        | Pass a Lourtse Sediment Fencing      | Support-Short | 1,500                           | 1,817      | 2,666,000 | 1,800    | 1,500                   | DNR/USACE (dropped) |
| FMR-4       | Tiger Pass Dredged Material Disposal | Support-Short | 415                             | 457        | 4,434,000 | 10,700   | 9,700                   | DNR/USACE (dropped) |
| PMR-5       | Benny's Bay Diversion                | Support-Short | 10,761                          | 12,125     | 6,328,000 | 600      | 500                     | EPA (dropped)       |
| PMR-8       | Pass a Lourtse Sediment Mining       | Support-Short | 118                             | 252        | 1,247,000 | 10,600   | 4,900                   | USACE               |
| XMR-12      | Beneficial Use Hopper Dredged Mat    | Demonstration | NA                              | NA         | NA        | NA       | NA                      | DNR                 |
| XMR-14      | Miss River Dredged Material Dispos   | Support-Long  | NA                              | NA         | NA        | NA       | NA                      | DNR (dropped)       |

Table 5  
 Potential Candidate Projects for the 4th Priority Project List  
 Barataria Basin

| Project No. | Project Name                          | Status         | Acres                           |            | Net Acres Benefitted | Cost (\$) | Cost per Acre (\$/Ac) |                         | Sponsoring Agency |
|-------------|---------------------------------------|----------------|---------------------------------|------------|----------------------|-----------|-----------------------|-------------------------|-------------------|
|             |                                       |                | Created, Protected and Restored | Benefitted |                      |           | Acres                 | Benefitted Acre (\$/Ac) |                   |
| BA-3c       | Naomi Outfall Management              | Critical-Short | 840                             | 1,640      | 1,428,000            | 1,700     | 900                   | DNR/SCS/USACE/USFWS     |                   |
| BA-10       | Davis Pond Outfall Management         | Critical-Long  | 580                             | 1,610      | 6,525,000            | 11,300    | 4,100                 | USACE                   |                   |
| BA-12       | Grand/Spanish Pass Diversion          | Critical-Long  | NA                              | NA         | NA                   | NA        | NA                    | NMFS                    |                   |
| PBA-12      | Barataria Bay WW Bank Protection      | Support-Short  | 140                             | 190        | 1,762,000            | 12,600    | 9,300                 | SCS                     |                   |
| PBA-34      | Maintain Bayou L'Ours Ridge           | Support-Short  | 780                             | 2,780      | 2,327,000            | 3,000     | 800                   | DNR/SCS/USACE           |                   |
| PBA-36      | Lagan Freshwater Diversion            | Critical-Long  | NA                              | NA         | NA                   | NA        | NA                    | NMFS                    |                   |
| PBA-38      | Shell Island Segmented Breakwaters    | Support-Short  | 510                             | 1,580      | 22,060,000           | 43,300    | 14,000                | DNR                     |                   |
| XBA-1a      | West Grand Terre Sediment Replenish   | Critical-Short | 440                             | 450        | 7,934,000            | 18,000    | 17,600                | EPA                     |                   |
| XBA-1b      | East Grand Terre Sediment Replenish   | Critical-Short | 380                             | 400        | 7,441,000            | 19,600    | 18,600                | EPA                     |                   |
| XBA-1d      | Cheniere Ronquille Sediment Replenish | Critical-Short | 180                             | 190        | 2,368,000            | 13,200    | 12,500                | NMFS                    |                   |

Table 6  
Potential Candidate Projects for the 4th Priority Project List  
Terrebonne Basin

| Project No.                | Project Name                          | Status         | Acres                           |            | Cost (\$)  | Cost per |                          | Sponsoring Agency |
|----------------------------|---------------------------------------|----------------|---------------------------------|------------|------------|----------|--------------------------|-------------------|
|                            |                                       |                | Created, Protected and Restored | Benefitted |            | Acres    | Benefitted Acres (\$/Ac) |                   |
| TE-10/XTE-Grand Bayou/GIWW |                                       | Critical-Short | 1,825                           | 4,929      | 5,515,000  | 3,000    | 1,100                    | DNR/SCS/USFWS     |
| PTE-3                      | HNC Bank Stabilization                | Critical-Short | 311                             | 1,059      | 1,600,000  | 5,100    | 1,500                    | USACE             |
| PTE-15                     | Isles Dernieres Restoration           | Critical-Short | 1,050                           | 1,864      | 33,188,000 | 31,600   | 17,800                   | EPA               |
| PTE-15bii                  | Restore Isles Dernieres (Breakwaters) | Critical-Short | NA                              | NA         | NA         | NA       | NA                       | DNR/SCS           |
| PTE-26                     | Upper B Penchant Watershed Mgmt       | Critical-Short | 10,600                          | 49,153     | 50,000,000 | 4,700    | 1,000                    | NMFS              |
| XTE-45                     | Restoration of Timbalier Island       | Critical-Short | NA                              | NA         | NA         | NA       | NA                       | NMFS              |
| XTE-54b                    | Flotant Marsh Creation/Enhancement    | Demonstration  | NA                              | NA         | NA         | NA       | NA                       | DNR/SCS           |
| XTE-57                     | South Pointe au Chien Hydro Rest      | Critical-Short | 610                             | 1,285      | 805,000    | 1,300    | 600                      | USACE             |
| XTE-58                     | South Bully Camp                      | Critical-Short | 1,401                           | 3,109      | 1,879,000  | 1,300    | 600                      | USACE             |
| XTE-64                     | Avoca Island Sediment Diversion       | Support-Short  | 413                             | 1,030      | 922,000    | 2,200    | 900                      | NMFS              |
| XTE-66                     | Sediment Conveyance Dist System       | Demonstration  | 550                             | 1,080      | 1,228,000  | 2,200    | 1,100                    | EPA               |
| XTE-67b                    | East Timbalier to West Belle Pass     | Critical-Short | NA                              | NA         | NA         | NA       | NA                       | DNR/SCS           |
|                            | Avoca Island Siphon Distribution      | Demonstration  | NA                              | NA         | NA         | NA       | NA                       | EPA (dropped)     |

Table 7  
Potential Candidate Projects for the 4th Priority Project List  
Atchafalaya Basin

| Project No. | Project Name                         | Status        | Acres                           |            | Cost (\$) | Cost per |                          | Sponsoring Agency |
|-------------|--------------------------------------|---------------|---------------------------------|------------|-----------|----------|--------------------------|-------------------|
|             |                                      |               | Created, Protected and Restored | Benefitted |           | Acres    | Benefitted Acres (\$/Ac) |                   |
| XAT-4       | Established Wetland Management       | Support-Long  | 800                             | 800        | 300,000   | 400      | 400                      | DNR               |
| XAT-5a      | Sediment Distribution                | Demonstration | NA                              | NA         | NA        | NA       | NA                       | EPA               |
| XAT-8       | Dredge Sediment into Wax Lake Outlet | Support-Short | 40                              | 2,070      | 1,530,000 | 38,300   | 700                      | DNR/USACE         |

Table 8  
 Potential Candidate Projects for the 4th Priority Project List  
 Teche/Vermilion Basin

| Project No. | Project Name                       | Status         | Acres                                 |            | Cost<br>(\$) | Cost per         |                             | Sponsoring Agency |
|-------------|------------------------------------|----------------|---------------------------------------|------------|--------------|------------------|-----------------------------|-------------------|
|             |                                    |                | Created,<br>Protected<br>and Restored | Benefitted |              | Acres<br>(\$/Ac) | Benefitted, Acre<br>(\$/Ac) |                   |
| TV-1        | Shark Island Shore Protection/HR   | Critical-Short | 463                                   | 593        | 7,559,000    | 16,300           | 12,700                      | DNR/SCS/USACE     |
| TV-5/7      | Marsh Island Marsh Creation/HR     | Critical-Short | 512                                   | 1,090      | 2,328,000    | 4,500            | 2,100                       | USACE/DNR/NMFS    |
| PTV-19      | Little Vermilion Bay Sediment Trap | Critical-Short | 27                                    | 1,200      | 600,000      | 22,200           | 500                         | EPA/NMFS          |
| PTV-13      | Marsh S. of GIWW, Ver R to Week B  | Critical-Long  | NA                                    | NA         | NA           | NA               | NA                          | EPA               |
| PTV-14      | Marsh S. of GIWW, Ver R to Com C   | Critical-Long  | NA                                    | NA         | NA           | NA               | NA                          | EPA               |
| PTV-4       | Vermilion River SP -- Live Oak     | Support-Short  | 7                                     | 70         | 300,000      | 42,900           | 4,300                       | SCS               |
| PTV-8       | Avery Canal to Weeks Island Veg    | Support-Short  | 128                                   | 173        | 242,000      | 1,900            | 1,400                       | NMFS              |
| XTV-27      | Freshwater Bayou Bank Stab         | Support-Short  | 61                                    | 61         | 1,925,000    | 31,600           | 31,600                      | DNR/SCS/USACE     |
| XTV-30      | Marsh Island Sediment Demo         | Demonstration  | NA                                    | NA         | NA           | NA               | NA                          | EPA (dropped)     |
| XTV-25      | Marsh Island Wave Break Device     | Demonstration  | NA                                    | NA         | NA           | NA               | NA                          | LDWF/Public       |
|             | Oaks Canal Bank Protection         | Support-Short  | 120                                   | 125        | 1,069,000    | 8,900            | 8,600                       | Public            |

Table 9  
Potential Candidate Projects for the 4th Priority Project List  
Mermentau Basin

| Project No. | Project Name                       | Status         | Acres                           |            | Cost (\$) | Cost per |                         | Sponsoring Agency |
|-------------|------------------------------------|----------------|---------------------------------|------------|-----------|----------|-------------------------|-------------------|
|             |                                    |                | Created, Protected and Restored | Benefitted |           | Acres    | Benefitted Acre (\$/Ac) |                   |
| PME-4       | White Lake Diversion               | Critical-Short | 126                             | 1,133      | 2,000,000 | 15,900   | 1,800                   | EPA/NMIFS         |
| XME-19      | Old Vermilion Lock Overflow        | Critical-Short | NA                              | NA         | NA        | NA       | NA                      | NMFS (Dropped)    |
| XME-20      | Schooner Bayou Bypass Structure    | Critical-Short | NA                              | NA         | 468,000   | NA       | NA                      | NMFS              |
| XME-42      | Hog Island Freshwater Introduction | Critical-Short | 1,274                           | 2,264      | 2,000,000 | 1,600    | 900                     | DNR/USACE         |
| PME-1       | GIWW Bank Protection               | Support-Short  | 178                             | 178        | 3,160,000 | 17,800   | 17,800                  | EPA               |
| XME-17      | North Canal to Mermentau           | Support-Short  | 221                             | 241        | 6,300,000 | 28,500   | 26,100                  | USFWS/NMFS        |
| XME-22      | Pecan Island Terracing             | Support-Short  | 23                              | 1,007      | 1,700,000 | 73,900   | 1,700                   | USACE/EPA         |
| XME-35a     | Shore Protection, Umbrella Bay     | Support-Short  | 74                              | 78         | 1,100,000 | 14,900   | 14,100                  | DNR               |
| XME-35b     | Shore Protection, Mallard Bay      | Support-Short  | 74                              | 78         | 900,000   | 12,200   | 11,500                  | DNR               |
| XME-36      | Tebo Point                         | Support-Short  | 9                               | 11         | 200,000   | 22,200   | 18,200                  | SCS               |
| XME-38      | Grand Volle to Bear Lake           | Support-Short  | 204                             | 242        | 1,000,000 | 4,900    | 4,100                   | USACE/DNR         |
| XME-44      | GIWW Bank Stabilization            | Support-Short  | 20                              | 23         | 620,000   | 31,000   | 27,000                  | SCS (Dropped)     |
| XME-41      | Grand Cheniere Levee               | Support-Long   | NA                              | NA         | 900,000   | NA       | NA                      | SCS               |
| XME-40      | North Little Pecan Bayou           | Support-Short  | 117                             | 767        | 1,400,000 | 12,000   | 1,800                   | Public            |
| XME-39      | Mud Lake Levee Repair              | Support-Long   | NA                              | NA         | 750,000   | NA       | NA                      | Public            |
| CS-16       | Black Bayou Bypass                 | Critical-Short | 115                             | 1,661      | 4,600,000 | 40,000   | 2,800                   | Public            |
| XME-29      | Freshwater Bayou Bank Stab         | Support-Short  | 118                             | 118        | 3,763,000 | 31,900   | 31,900                  | Public            |

Table 10  
 Potential Candidate Projects for the 4th Priority Project List  
 Calcasieu/Sabine Basin

| Project No. | Project Name                      | Status         | Acres                           |            | Cost (\$) | Cost per Acre (\$/Ac) |            | Sponsoring Agency |
|-------------|-----------------------------------|----------------|---------------------------------|------------|-----------|-----------------------|------------|-------------------|
|             |                                   |                | Created, Protected and Restored | Benefitted |           | Benefitted            | Benefitted |                   |
| PCS-14      | Kelso Bayou Structure             | Critical-Short | 34                              | 319        | 1,587,000 | 46,700                | 5,000      | SCS               |
| XCS-44      | West Cove Canal Plug              | Critical-Short | 52                              | 985        | 253,000   | 4,900                 | 300        | USACE             |
| XCS-48f     | Structure Near Long Point Bridge  | Critical-Short | 52                              | 3,672      | 526,000   | 10,100                | 100        | USACE             |
| XCS-51/44   | Mine CSC and Plug West Cove Canal | Critical-Short | 235                             | 1,056      | 1,929,000 | 8,200                 | 1,800      | EPA/NMFS          |
| CS-11b      | Sweet Lake/Willow Lake Shore Prot | Critical-Short | 294                             | 4,477      | 2,626,000 | 8,900                 | 600        | DNR/USACE         |
| PCS-26      | Perry Ridge Shore Protection      | Critical-Short | 109                             | 657        | 3,886,000 | 35,700                | 5,900      | SCS               |
| XCS-50      | St. John's Island                 | Support-Short  | 137                             | 295        | 1,934,000 | 14,100                | 6,600      | NMFS              |
| CS-10       | Grand Lake Ridge Area             | Support-Short  | 662                             | 832        | 1,177,000 | 1,800                 | 1,400      | DNR/SCS           |
| CS-14       | Tripod Bayou                      | Support-Short  | 51                              | 190        | 1,127,000 | 22,100                | 5,900      | DNR/SCS           |
| XCS-36      | Compost Demonstration Project     | Demonstration  | 10                              | 10         | 250,000   | 25,000                | 25,000     | EPA               |
| XCS-49      | Turner's Bay Vegetative Plantings | Support-Short  | 18                              | 18         | 287,000   | 15,900                | 15,900     | NMFS              |
| XCS-45      | Mine Ship Channel Disposal        | Critical-Short | NA                              | NA         | NA        | NA                    | NA         | EPA               |
| XCS-54      | Goose Lake Restoration            | Critical-Short | 34                              | 105        | 1718000   | 50,500                | 16,400     | Public            |

Table 11  
 Ranking of Potential Candidate Projects for the 4th Priority Project List  
 Pontchartrain Basin

| Project No.                   | Project Name                        | EPA | DNR | USFWS | NMFS | SCS | USACE | Total |
|-------------------------------|-------------------------------------|-----|-----|-------|------|-----|-------|-------|
| PO-11                         | Cutoff Bayou Hydrologic Restoration |     | 4   |       |      | 4   | 3     | 11    |
| PO-13                         | Tangipahoa Shore Protection         |     | 3   |       |      | 3   |       | 6     |
| PO-15                         | Alligator Point Marsh Restoration   |     | 5   | 2     |      | 5   |       | 12    |
| PPO-4                         | Eden Isles East Marsh Restoration   | 5   |     | 4     | 5    |     | 5     | 19    |
| XPO-48a/b                     | Tennessee Williams/Hope Canal       | 4   |     |       |      |     | 2     | 6     |
| XPO-51                        | Mancha WMA Hydrologic Rest          |     | 1   | 5     |      |     | 1     | 7     |
| XPO-69                        | Bayou Chevee Shoreline Protection   |     |     | 3     | 1    | 2   |       | 6     |
| XPO-80a                       | Lower Pearl River Sediment Trapping |     |     |       |      |     |       |       |
| XPO-83                        | Lake Athanasio Spit                 |     |     |       | 4    |     |       | 4     |
| XPO-84                        | St. Malo Hydrologic Restoration     | 1   |     |       | 2    |     |       | 3     |
| XPO-88                        | Point Platt Sediment Trapping       | 2   |     |       |      |     |       | 2     |
| PPO-2g                        | Lk Borgne SP Chef to GIWW Bypass    |     |     |       |      |     |       |       |
| PPO-2b                        | Lk Borgne SP South of B Bienvenue   | 3   | 2   | 1     | 3    | 1   | 4     | 14    |
| PPO-2d                        | Lk Borgne SP East of Shell Beach    |     |     |       |      |     |       |       |
| <u>Demonstration Projects</u> |                                     |     |     |       |      |     |       |       |
| XPO-93                        | Marsh Creation w/ Biosolids Demo    |     |     |       |      |     |       |       |
| XPO-92                        | Shore Prot Demo @ Bayou Chevee      |     |     |       |      |     |       |       |



Table 12  
 Ranking of Potential Candidate Projects for the 4th Priority Project List  
 Breton Sound Basin

| Project No. | Project Name                      | EPA | DNR | USFWS | NMFS | SCS | USACE | Total |
|-------------|-----------------------------------|-----|-----|-------|------|-----|-------|-------|
| BS-1a/b     | Rest of Bohemia Div & Outfall Mgt | 2   | 2   | 1     | 3    | 1   | 2     | 11    |
| BS-5        | Bayou Lamoque Outfall Management  | 1   | 3   | 4     | 2    | 3   | 3     | 16    |
| BS-6        | Pump Outfall Mgy of N Lake Lery   | 4   | 4   | 2     | 1    | 4   | 1     | 16    |
| PBS-6       | Grand Bay Crevasse                | 3   | 1   | 3     | 4    | 2   | 4     | 17    |

Table 13  
 Ranking of Potential Candidate Projects for the 4th Priority Project List  
 Barataria Basin

| Project No. | Project Name                          | EPA | DNR | USFWS | NMFS | SCS | USACE | Total |
|-------------|---------------------------------------|-----|-----|-------|------|-----|-------|-------|
| BA-3c       | Naomi Outfall Management              | 3   | 2   | 5     | 3    | 2   | 5     | 20    |
| BA-10       | Davis Pond Outfall Management         |     |     |       |      |     |       |       |
| BA-12       | Grand/Spanish Pass Diversion          | 4   |     | 2     | 4    |     |       | 10    |
| BA-16       | Bayou Segnette Wetland Protection     |     |     | 1     | 2    | 1   |       | 4     |
| PBA-12      | Barataria Bay WW Bank Protection      | 1   | 5   |       | 1    | 5   | 2     | 14    |
| PBA-34      | Maintain Bayou L'Ours Ridge           |     | 4   | 4     |      | 4   | 4     | 16    |
| PBA-36      | Lagan Freshwater Diversion            |     |     |       |      |     |       |       |
| PBA-38      | Shell Island Segmented Breakwaters    |     | 3   | 3     |      | 3   | 3     | 12    |
| XBA-1a      | West Grand Terre Sediment Replenish   |     |     |       |      |     |       |       |
| XBA-1b      | East Grand Terre Sediment Replenish   | 2   |     |       |      |     |       | 2     |
| XBA-1d      | Cheniere Ronquille Sediment Replenish | 5   | 1   |       | 5    | 1   | 1     | 12    |

Table 14  
 Ranking of Potential Candidate Projects for the 4th Priority Project List  
 Terrebonne Basin

| Project No.                   | Project Name                          | EPA | DNR | USFWS | NMFS | SCS | USACE | Total |
|-------------------------------|---------------------------------------|-----|-----|-------|------|-----|-------|-------|
| TE-10/XTE-49                  | Grand Bayou/GIWW                      |     | 3   | 5     |      | 4   | 5     | 17    |
| PTE-3                         | HNC Bank Stabilization                | 3   |     | 2     | 2    | 1   | 1     | 9     |
| PTE-15                        | Isles Dernieres Restoration           | 5   | 4   |       | 4    |     | 2     | 15    |
| PTE-15bii                     | Restore Isles Dernieres (Breakwaters) | 4   | 5   | 3     | 3    | 5   | 4     | 24    |
| PTE-26                        | Upper B Penchant Watershed Mgmt       | 1   |     | 1     | 1    |     |       | 3     |
| XTE-45/67b                    | Restoration of Timbalier Island       | 2   | 2   | 4     | 5    | 3   | 3     | 19    |
| XTE-57                        | South Pointe au Chien Hydro Rest      |     |     |       |      |     |       |       |
| XTE-58                        | South Bully Camp                      |     | 1   |       |      | 2   |       | 3     |
| XTE-64                        | Avoca Island Sediment Diversion       |     |     |       |      |     |       |       |
| XTE-67b                       | East Timbalier to West Belle Pass     |     |     |       |      |     |       |       |
| <u>Demonstration Projects</u> |                                       |     |     |       |      |     |       |       |
| XTE-54b                       | Flotant Marsh Creation/Enhancement    |     |     |       |      |     |       |       |
| XTE-66                        | Sediment Conveyance Dist System       |     |     |       |      |     |       |       |

Table 15  
 Ranking of Potential Candidate Projects for the 4th Priority Project List  
 Teche/Vermilion Basin

| Project No. | Project Name                       | EPA | DNR | USFWS | NMFS | SCS | USACE | Total |
|-------------|------------------------------------|-----|-----|-------|------|-----|-------|-------|
| TV-1        | Shark Island Shore Protection/HR   |     | 4   | 1     |      | 4   | 2     | 11    |
| TV-5/7      | Marsh Island Marsh Creation/HR     | 1   | 3   | 5     | 4    | 3   | 5     | 21    |
| PTV-19      | Little Vermilion Bay Sediment Trap | 5   |     | 3     | 5    |     | 4     | 17    |
| PTV-13      | Marsh S. of GIWW, Ver R to Week B  |     | 2   |       |      |     |       | 2     |
| PTV-14      | Marsh S. of GIWW, Ver R to Com C   |     |     |       |      |     |       |       |
| PTV-4       | Vermilion River SP -- Live Oak     |     | 2   |       | 1    | 2   |       | 5     |
| PTV-8       | Avery Canal to Weeks Island Veg    | 3   |     | 2     | 3    |     |       | 8     |
| XTV-27      | Freshwater Bayou Bank Stab 2       |     | 5   | 4     |      | 5   | 3     | 17    |
| XTV-25      | Oaks Canal Bank Protection         | 4   | 1   |       | 2    | 1   | 1     | 9     |

Table 16  
 Ranking of Potential Candidate Projects for the 4th Priority Project List  
 Mermentau Basin

| Project No. | Project Name                              | EPA | DNR | USFWS | NMFS | SCS | USACE | Total |
|-------------|---|-----|-----|-------|------|-----|-------|-------|
| PME-4       | White Lake Diversion                      | 4   |     |       | 2    |     |       | 6     |
| XME-19      | Old Vermilion Lock Overflow               |     |     |       |      |     |       |       |
| XME-20      | Schooner Bayou Bypass Structure           |     |     |       |      |     |       |       |
| XME-42      | Hog Island Freshwater Introduction        |     |     |       | 3    |     | 4     | 7     |
| PME-1       | <b>GIWW Bank Protection</b>               | 3   | 5   | 1     |      | 4   | 5     | 18    |
| XME-17      | North Canal to Mermentau                  |     | 2   | 3     |      | 1   |       | 6     |
| XME-22      | Pecan Island Terracing                    |     | 5   |       | 4    |     |       | 9     |
| XME-35a     | Shore Protection, Umbrella Bay            |     |     |       |      |     |       |       |
| XME-35b     | Shore Protection, Mallard Bay             |     |     |       |      |     |       |       |
| XME-36      | Tebo Point                                |     |     |       |      |     |       |       |
| XME-38      | Grand Volle to Bear Lake                  |     |     | 2     |      |     | 1     | 3     |
| XME-44      | GIWW Bank Stabilization                   |     |     |       |      |     |       |       |
| XME-41      | Grand Cheniere Levee                      |     |     | 4     |      | 5   | 3     | 12    |
| XME-40      | North Little Pecan Bayou                  |     |     |       |      |     |       |       |
| XME-39      | Mud Lake Levee Repair                     |     |     |       |      |     |       |       |
| CS-16       | <b>Bayou Black Bypass</b>                 | 1   | 1   | 1     | 5    | 2   | 2     | 16    |
| XME-29      | <b>Freshwater Bayou Bank Stab Phase 3</b> | 2   | 3   | 4     | 1    | 3   |       | 13    |

Table 17  
 Ranking of Potential Candidate Projects for the 4th Priority Project List  
 Calcasieu/Sabine Basin

| Project No. | Project Name                      | EPA | DNR | USFWS | NMFS | SCS | USACE | Total |
|-------------|-----------------------------------|-----|-----|-------|------|-----|-------|-------|
| PCS-14      | Kelso Bayou Structure             |     | 2   |       |      | 2   |       | 4     |
| XCS-44      | West Cove Canal Plug              |     |     |       |      |     |       |       |
| XCS-48f     | Structure Near Long Point Bridge  |     | 1   |       |      | 1   | 2     | 4     |
| XCS-51/44   | Mine CSC and Plug West Cove Canal | 5   |     | 5     | 4    |     | 3     | 17    |
| CS-11b      | Sweet Lake/Willow Lake Shore Prot | 1   | 4   | 3     | 1    | 5   | 5     | 19    |
| PCS-26      | Perry Ridge Shore Protection      |     | 5   | 4     | 3    | 4   | 4     | 20    |
| XCS-50      | St. John's Island                 | 2   |     |       |      |     |       | 2     |
| CS-10       | Grand Lake Ridge Area             |     | 3   | 1     |      | 3   |       | 7     |
| CS-14       | Tripod Bayou                      |     |     |       | 2    |     |       | 2     |
| XCS-49      | Turner's Bay Vegetative Plantings | 3   |     | 2     | 5    |     | 1     | 11    |
| XCS-45      | Mine Ship Channel Disposal (East) | 4   |     |       |      |     |       | 4     |
| XCS-54      | Goose Lake Restoration Project    |     |     |       |      |     |       |       |