

**MR. FRUGÉ**

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

**TASK FORCE MEETING**

**December 16, 1994**

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

16 December 1994

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COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

Louisiana Department of Wildlife and Fisheries

Baton Rouge

16 December 1994

9:30 a.m.

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- I. **Introductions**
  - A. Task Force members or alternates
  - B. Opening remarks by Task Force members
- II. **Adoption of Minutes from the 22 September 1994 Meeting**.....D ✓
- III. **Status of Feasibility Studies**
  - A. Louisiana Barrier Island Study--Dr. Van Heerden.....E ✓
  - B. Mississippi River Sediment, Nutrient, and Freshwater Diversion Study--Mr. Axtman.....F ✓
- IV. **Selection of 4th Priority Project List--Mr. Schroeder**.....G ✓
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  - A. Negotiations with LUMCON for fiscal year 1995 assistance--Ms. Hawes.....H ✓
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  - C. Funding of monitoring support costs for approved priority list projects--Mr. Green.....J
- VI. **Status of Development of the State Conservation Plan--Mr. Thomas**.....K
- VII. **Status of Approved Priority List Projects--Lead Agencies**.....L ✓
- VIII. **Placement of Signs at CWPPRA Project Sites--Mr. Elguezabal**.....M
- IX. **Additional Agenda Items**.....N
- X. **Date and Location of the Next Task Force Meeting**.....O
- XI. **Request for Written Questions from the Public**.....P

*Need to look at Re-eval. Priority list 5*  
*Put together Coastal Summit*  
*Next Meeting 3rd week*  
*Last Mo of Oct or 1st of Nov*  
*March 15*

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

16 December 1994

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COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEMBERS

Task Force Member

Member's Representative

Governor, State of Louisiana

Dr. Len Bahr  
Executive Assistant for Coastal Activities  
Office of the Governor  
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Administrator, EPA

Mr. Russell F. Rhoades  
Division Director  
Environmental Services Division  
Region VI  
Environmental Protection Agency  
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(214) 665-2210; Fax: (214) 665-7446

Secretary, Department of the Interior

Mr. Dave Frugé  
Field Office Supervisor  
U.S. Fish and Wildlife Service  
U.S. Department of the Interior  
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Lafayette, Louisiana 70508  
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COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEMBERS (cont.)

<u>Task Force Member</u>	<u>Member's Representative</u>
Secretary, Department of Agriculture	Mr. Donald Gohmert State Conservationist Natural Resources Conservation Service 3737 Government Street Alexandria, Louisiana 71302 (318) 473-7751; Fax: (318) 473-7771
Secretary, Department of Commerce	Dr. William Fox, Jr. National Oceanic and Atmospheric Administration National Marine Fisheries Service Office of Protected Resources, F/PR Rm. 13342 1315 East-West Highway Silver Spring, Maryland 20910 (301) 713-2332; Fax: (301) 713-0376
Secretary of the Army (Chairman)	Col. Kenneth Clow District Engineer U.S. Army Engineer District, N.O. P.O. Box 60267 New Orleans, LA 70160-0267 (504) 862-2204; Fax: (504) 862-2492

COASTAL WETLANDS PLANNING, PROTECTION AND  
RESTORATION ACT

IMPLEMENTATION PLAN

TASK FORCE PROCEDURES

I. **Task Force Meetings and Attendance**

A. Scheduling/Location

The Task Force will hold regular meetings quarterly, or more often if necessary to carry out its responsibilities. When possible, regular meetings will be scheduled as to time and location prior to the adjournment of any preceding regular meeting.

Special meetings may be called upon request and with the concurrence of a majority of the Task Force members, in which case, the Chairperson will schedule a meeting as soon as possible.

Emergency meetings may be called upon request and with the unanimous concurrence of all members of the Task Force at the call of the Chairperson. When deemed necessary by the Chairperson, such meetings can be held via telephone conference call provided that a record of the meeting is made and that any actions taken are affirmed at the next regular or special meeting.

B. Delegation of Attendance

The appointed members of the Task Force may delegate authority to participate and actively vote on the Task Force to a substitute of their choice. Notice of such delegation shall be provided in writing to the Task Force Chairperson prior to the opening of the meeting.

C. Staff Participation

Each member of the Task Force may bring colleagues, staff or other assistants/advisors to the meetings. These individuals may participate fully in the meeting discussions but will not be allowed to vote.

D. Public Participation (see Public Involvement Program)

All Task Force meetings will be open to the public. Interested parties may submit written questions or comments that will be addressed at the next regular meeting.

## II. Administrative Procedures

### A. Quorum

A quorum of the Task Force shall be a simple majority of the appointed members of the Task Force, or their designated representatives.

### B. Voting

Whenever possible, the Task Force shall resolve issues by consensus. Otherwise, issues will be decided by a simple majority vote, with each member of the Task Force having one vote. The Task Force Chairperson may vote on any issue, but must vote to break a tie. All votes shall be via voice and individual votes shall be recorded in the minutes, which shall be public documents.

### C. Agenda Development/Approval

The agenda will be developed by the Chairperson's staff. Task Force members or Technical Committee Chairpersons may submit agenda items to the Chairperson in advance. The agenda will be distributed to each Task Force member (and others on an distribution list maintained by the Chairperson's staff) within two weeks prior to the scheduled meeting date. Additional agenda items may be added by any Task Force member at the beginning of a meeting.

### D. Minutes

The Chairperson will arrange for minutes of all meetings to be taken and distributed within two weeks after a meeting is held to all Task Force members and others on the distribution list.

### E. Distribution of Information/Products

All information and products developed by the Task Force members or their staffs will be distributed to all Task Force members normally within two weeks in advance of any proposed action in order to allow adequate time for review and comment, unless the information/product is developed at the meeting or an emergency situation occurs.



### **III. Miscellaneous**

#### **A. Liability Disclaimer**

To the extent permitted by the law of the State of Louisiana and Federal regulations, neither the Task Force nor any of its members individually shall be liable for the negligent acts or omissions of an employee, agent or representative selected with reasonable care, nor for anything the Task Force may do or refrain from doing in good faith, including the following: errors in judgement, acts done or committed on advice of counsel, or mistakes of fact or law.

#### **B. Conflict of Interest**

No member of the Task Force (or designated representative) shall participate in any decision or vote which would constitute a conflict of interest under Federal or State law. Any potential conflicts of interest must clearly be stated by the member prior to any discussion on the agenda item.

Coastal Wetlands Planning, Protection and Restoration Act

TASK FORCE MEETING

September 22, 1994

MINUTES

**I INTRODUCTION**

Colonel Kenneth Clow, representing the Secretary of the Army, convened the fifteenth meeting of the Louisiana Coastal Wetlands Conservation and Restoration Task Force at 9:45 a.m. on September 22, 1994, in the District Assembly Room of the New Orleans District, U.S. Army Corps of Engineers. The agenda is attached as enclosure 1. The Task Force was created by the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA), which was signed into law (PL 101-646, Title III) by President Bush on November 29, 1990.

**II ATTENDEES**

The Attendance Record for the Task Force meeting is attached as enclosure 2. Listed below are the six Task Force members. Mr. Pulliam, Dr. Bahr, and Dr. Fox were represented by Mr. Dave Frugé, Dr. Jim Stone, and Mr. Tim Osborn, respectively. The remaining Task Force members were in attendance.

Dr. Len Bahr, State of Louisiana

Mr. Russell Rhoades, Environmental Protection Agency

Mr. James Pulliam, U.S. Department of the Interior

Mr. Donald Gohmert, U.S. Department of Agriculture

Dr. William Fox, U.S. Department of Commerce

Colonel Kenneth Clow, U.S. Department of the Army, Chairman

**III APPROVAL OF MINUTES FROM PREVIOUS MEETING**

The minutes of the Task Force meeting held on July 14, 1994 (enclosure 3) were approved unanimously with no discussion. Mr. Gohmert made the motion to approve the minutes and Mr. Frugé seconded it.

**IV VIEWING OF CWPPRA VIDEO**

Mr. Gerrard Breaux introduced a video tape of the CWPPRA program prepared under contract by Planit Communications. The video was viewed by the Task Force, who complimented the work performed thus far. The completed video will be played on Public Broadcasting System television stations and will be distributed to the news media. Colonel Clow stated that such public involvement tools as the video are important to wetland restoration efforts. Members of the Task Force expressed the

hope that these public involvement tools will keep the public informed of CWPPRA activities and generate new interest in wetlands restoration. [1/90]<sup>1</sup>

## V. TASK FORCE DECISIONS

- A. Ms. Sue Hawes, Project Manager for the Environment for the U.S. Army Corps of Engineers at the New Orleans District, presented a recommendation of the Technical Committee to extend the existing contract with the Louisiana Universities Marine Consortium (LUMCON) for academic and scientific advisory services, with no increase in cost. [3/320] The extension through April 30, 1995, will cover completion of the following: 1) the Quality Assurance/Quality Control report for CWPPRA monitoring, 2) participation of academic scientists in planning meetings for the Mississippi River Sediment, Nutrient, and Freshwater Redistribution Study, and 3) academic review of CWPPRA monitoring plans. A draft memorandum of agreement for the no-cost extension and a status report on the existing contract are attached as enclosure 4.

Motion by Mr. Frugé: That the existing LUMCON contract be extended through April 30, 1995, for feasibility study involvement and Quality Assurance/Quality Control reporting. [3/342]

Second: Mr. Rhoades [3/343]

Passed unanimously. [3/343]

- B. Ms. Sue Hawes presented a recommendation from the Technical Committee to start negotiations with LUMCON for Fiscal Year 1995 work that may include such deliverables as input on project monitoring, input on the WVA process, and the coordination of an information exchange workshop. Mr. Frugé commended Dr. Denise Reed on her efforts related to the existing contract.

Motion by Mr. Gohmert: That negotiations with LUMCON for Fiscal Year 1995 work be started for deliverables that may include project monitoring, input on the WVA process, and the coordination of an information exchange workshop. [3/342]

Second: Mr. Rhoades [3/357]

Passed unanimously. [3/358]

- C. Mr. Bob Schroeder, chief of the New Orleans District's Planning Division, presented a recommendation of the Technical Committee to amend the budget for fiscal year 1994 to include the following two items: 1) \$240,000 for commissioning aerial infrared photography of coastal Louisiana, to include a set of 1:35,000 prints for each agency (to be administered by the Southern Science Center of the National Biological Survey), and 2) \$25,993 for contracting with Dr.

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<sup>1</sup> The Task Force meeting was recorded on audio tape. The bracketed figures represent the tape no./counter no. for the discussion of this item. Multiple tape/counter numbers are used when an item is discussed more than once during the meeting.

Mark Byrnes and Mr. Randolph McBride as technical advisors on the Barrier Island feasibility study (to be administered by the Louisiana Department of Natural Resources). A summary of FY 94 proposed and approved budget amendments and a copy of the proposal for a technical advisor are attached as enclosure 5:

Motion by Mr. Osborn: That the Technical Committee's recommended budget amendment for fiscal year 1994 be accepted. [3/450]

Second: Mr. Frugé [3/470]

Passed unanimously. [3/473]

D. Mr. Bob Schroeder presented a recommendation of the Technical Committee concerning the fiscal year 1995 budget. The recommended budget is \$2,631,500, which does not include funds to initiate the two feasibility studies. Mr. Schroeder explained that the Technical Committee reduced the Office of the Governor's requested budget by \$47,000 for certain work items that the committee decided were not related to CWPPRA activities. Mr. Osborn suggested that the target date to present the budget for the two CWPPRA feasibility studies should be the next Task Force meeting. A table summarizing the fiscal year 1995 CWPPRA budget is attached as enclosure 6.

Motion by Mr. Osborn: That the Technical Committee's recommended fiscal year 1995 budget be accepted. [3/497]

Second: Mr. Frugé [3/498]

Passed unanimously. [3/499]

## VI. INFORMATIONAL AGENDA ITEMS

A. Mr. Tom Podany briefed the Task Force on the response to its letter to Governor Edwards regarding the issues of oyster leases and land rights as they are affected by wetlands restoration projects [1/250]. Mr. Dave Soileau announced that Louisiana Land and Exploration, the Louisiana Department of Natural Resources, and the Louisiana Attorney General's office were meeting on September 26, 1994, to initiate the resolution of land rights issues on the Isle Dernieres projects (Priority Lists 1 and 2). Dr. Jim Stone stated that the Technical Committee's budget cut of \$47,000 could jeopardize the planned Coastal Summit, where resolution of these issues is sought. [1/255]

B. Mr. Norm Thomas and Dr. Bill Good gave an update on the state's Coastal Wetlands Conservation Plan. Dr. Bill Good presented a "strawman" proposal that is an outline for the plan. He also introduced Mr. Doug Meffert, a student intern who will work on a report to Congress on the monitoring of CWPPRA projects. The proposal will be reviewed by the U.S. Army Corps of Engineers, the Environmental Protection Agency, and the U.S. Fish and Wildlife Service. Objectives of the proposal include the following: 1) establish the main deliverable of the conservation plan by defining "no net loss" of wetlands, 2) develop partners for the conservation plan, 3) determine the boundaries of the

coastal zone for the conservation plan, and 4) develop a public involvement program. [1/360]

- C. Mr. Dom Elguezabal, Mr. Donald Gohmert, Mr. Norm Thomas, Mr. Tim Osborn, and Mr. Dave Frugé briefed the Task Force on the status of priority list projects that their agencies sponsor. [1/413, 2/252]
- D. Ms. Rachel Wilson gave a report on the status of the barrier island feasibility study. She discussed the selection of Dr. Mark Burns and Mr. Randolph McBride and related that progress was being made on the outline of the plan of study. In response to a question by Dr. Jim Stone, she stated that the Chandeleur Islands were not eliminated from the study; however, new barriers would not be considered for areas that did not historically function as barriers. Mr. Dave Soileau stated that all potentially feasible plans should be evaluated and that such constraints are too narrow. [2/312]
- E. Mr. Tom Podany gave a report on the status of the Mississippi River diversion feasibility study. The study manager, Mr. Tim Axtman, has assigned the Engineering, Environmental, and Economic Work Groups the task of refining the scope of work, distributing study tasks, and developing more detailed cost estimates for the first year of work. Mr. Podany discussed proposals received for the study that included: 1) forming a matrix of the plans contained in existing coastal restoration plans, 2) developing a template from this matrix to guide the study, and 3) eliminating the Atchafalaya Basin from the study area and allowing diversions from the basin to be considered under the ongoing Lower Atchafalaya Basin Reevaluation Study. Mr. Podany stated that the template as proposed appeared to be in conflict with the Federal Principles and Guidelines, which do not allow for the preselection of a single alternative that will serve as the basis for measuring the merits of all alternatives. [2/438] Considerable discussion followed concerning the merits of both the template and of moving Atchafalaya Basin diversion alternatives to the reevaluation study. Dr. Sherwood Gagliano had no problem with dividing the study, but expressed concern that the Principles and Guidelines were too rigid and antiquated to form the basis of a successful study. [2/472] Dr. Paul Kemp asked whether the reevaluation study will be conducted under the purview of the Task Force and in accord with the objectives of the Mississippi River diversion study. Mr. Podany responded that the main purposes of the Lower Atchafalaya Basin Reevaluation Study are flood control and to maintain the capacity of the outlets to pass the project flood; however, navigation and environmental restoration features in conjunction with these plans would be considered wherever possible. Colonel Clow stated that it is doubtful that typical CWPPRA diversion projects could be adequately considered within the Atchafalaya Basin area without giving full consideration to the predominant flood control and navigation concerns in the area. He suggested that the Task Force could be briefed on the reevaluation study as appropriate. Mr. Soileau suggested that the Task Force seek Federal funding for the feasibility study under the Mississippi

River and Tributaries authority. [2/527] Dr. Joe Suhayda gave a definition of the template which was to guide the study by identifying plans on which to do design work, reduce delays in plan formulation, and provide a comprehensive effort upfront. Dr. Kemp said that his view of the template was to capitalize on the 20-year restoration planning effort already completed. The template, in his view, would provide a top down process that starts with a big picture restoration plan and improves the likelihood of success. [3/100]

- F. After some discussion about the need to take a big picture approach on both feasibility studies while maintaining consistency with the Principles and Guidelines, the Task Force decided to offer no formal guidance or directives at this time, but to allow the respective study teams to resolve these issues and report back at a later date. [3/318]

## VII. ADDITIONAL AGENDA ITEMS

- A. Mr. Frugé asked if there were sufficient surplus funds from previous fiscal years for project monitoring. After a general discussion of carryover, it was agreed that an itemized breakdown by agency of previous year surplus funds would be developed. In addition, the cost of project monitoring would be confirmed. [3/510] Colonel Clow suggested that a budget recap be conducted periodically to ensure that surplus funds are used effectively. He suggested that the Task Force conduct a periodic budget review to stay apprised of the status of surplus funds. [4/48]
- B. Mr. Tim Osborn announced there would be a Coastal Management Resource Conference in Tampa, Florida in July 1995. During the week following this Task Force meeting, he will send out a format of the conference for Task Force participation. [4/105]
- C. Colonel Clow announced that there was the opportunity for the Task Force to assist the Jean Lafitte National Park with an environmental restoration project near Lake Salvador. The assistance would likely be in the form of providing engineering and design services. Dr. Bill Good stated that Louisiana Department of Natural Resources had already prepared some design work for the project that could be folded into additional design. After some discussion, Colonel Clow stated that a meeting of all involved parties would be arranged to determine whether the design effort could be covered with existing, non-CWPPRA funding sources. If not, there is a possibility that a request for CWPPRA funds would be presented to the Task Force. [4/120]
- D. Colonel Clow announced that the Task Force had prepared a letter wishing Mr. Pulliam well in his retirement and thanking him for his efforts in furthering the critical goal of restoring and preventing the loss of coastal wetlands in Louisiana. [4/130]

## **VIII. DATE AND LOCATION OF THE NEXT TASK FORCE MEETING**

The next Task Force meeting was tentatively scheduled for November 9, 1994. Task Force members will be contacted to confirm the date.

## **IX. QUESTIONS FROM THE PUBLIC**

No written questions or comments were received from the public.

## **X. ADJOURNMENT**

Mr. Gohmert moved to adjourn the meeting at 12:50 p.m. Mr. Frugé seconded the motion, and it was passed unanimously.

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

**TASK FORCE MEETING**  
**September 22, 1994**

**ENCLOSURE 1**

**AGENDA**

**Encl 1**



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

22 September 1994

9:30 a.m.

AGENDA

Tab

- I. **Introductions**
  - A. Task Force members or alternates
  - B. Opening remarks by Task Force members
- II. **Adoption of Minutes from the 14 July 1994 Meeting**.....D
- III. **Status of Tasks from the July 1994 Meeting Requiring Further Action**  
Task Force letter to Gov. Edwards concerning oyster leases and  
land rights--Mr. Green..... E
- IV. **Status of Development of the State Conservation Plan--Mr. Thomas**..... F
- V. **Status of Priority List Projects--Lead Agencies**.....G
- VI. **Status of Feasibility Studies--Lead Agencies**..... H
- VII. **Extension and Renegotiation of LUMCON Contract--Mrs. Hawes**..... I
- VIII. **Amendment of Fiscal Year 1994 Budget--Mr. Schroeder**..... J
- IX. **Fiscal Year 1995 Budget--Mr. Schroeder**.....K
- X. **Viewing of CWPPRA Video--Dr. Good**.....L
- XI. **Additional Agenda Items**.....M
- XII. **Date and Location of the Next Task Force Meeting**.....N
- XIII. **Request for Written Questions from the Public**.....O

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

**TASK FORCE MEETING**  
**September 22, 1994**

**ENCLOSURE 2**  
**ATTENDANCE RECORD**

**Encl 2**



## ATTENDANCE RECORD



DATE(S) September 22, 1994	SPONSORING ORGANIZATION Planning Division	LOCATION USACE - NOD District Assembly Room
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PURPOSE Louisiana Coastal Wetlands Conservation and Restoration Task Force

## PARTICIPANT REGISTER \*

NAME	JOB TITLE AND ORGANIZATION	TELEPHONE NUMBER
Oscar Kowe	Engineer Manager DNR/CRD	(504) 342-9424
PAUL KEMP	Coalition to Restore Coastal La.	(504) 766-0195
Philip Bauman	La. Wildl. & Fisheries	(504) 765-2956
Greg Steger	LDNR/CRD	(504) 342-9435
Jimmy Johnston	NBS	318-266-8556
Karen Bauman	In charge of Coastal Act	(504) 922-3244
Jimi Stone	"	"
Allan Ensminger	La Assoc. Coas. Dist	318 462-0762
CARL B. HAVENTOS	GULF INTRACOASTAL CANAL ASSOC.	504-523-5281
John Barris	NBS/SSC	504-342-2077
Martin Canine	Cong Billy Tauzin	504-621-8490
DeWise Reed	LUMCON	504 851 2800
CAROL C CARK	LDNR	504 342 9418
S.M. Gagliano	CEI	504-383-7451
Neil Constant	COE	504 862-1906
DAVE CARMY	COE	" 862 2528
Noel Grego	COE	504 862-1562
Rickey Pubsamen	DOC/NMFS	504/389-0508
John C. Weber	COE	504 862 2516
Roy Francis	LA Fourche Parish CZM	(504) 632-4666
Paul Charanie	BLFWD	(504) 447-7155
Ronny Fails	OSPUS	318.262-6662 ext 234



ATTENDANCE RECORD



DATE(S) 22 Sept. 94	SPONSORING ORGANIZATION Planning Division	LOCATION District Assembly Room
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PURPOSE Louisiana Coastal Wetlands Planning, Protection and Restoration Act Task Force Meeting

PARTICIPANT REGISTER \*

NAME	JOB TITLE AND ORGANIZATION	TELEPHONE NUMBER
NEIL ARMINIEN	LPRF	836-2215
Dave King	DOI / FWS	318/262-6662 (ext 23)
Norm Thomas	USEPA	(214) 665 2260
Jay Browning	CELMN-PP	504-862-2755
Terri Bewig	CRCL	766-0195
Verne Behrhorst	GIEA	318/235-1634
Marion Fannaly	LUMCON	504/342-1488
Lisa Leonard	CELMN PD-FW	862-916
Philip Bowman	LDWF	765-2956
Bill Berry	LLDE	566-6425
Doug McEffer	Engineer - LDNR	504 342 7308
Beth Carriere	COE - Proj Mgmt	504-862-2778
Samuel Holder	MM5	504 736 2776
Cathy Bigree	LSU	504 388-6505
Mike Holland	COE	(504) 862-2517
JOSEPH SUHAYDA	LSU	504-388-8620

\* If you wish to be furnished a copy of the attendance record, please indicate so next to your name.

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

**TASK FORCE MEETING**

**16 December 1994**

**LOUISIANA BARRIER ISLAND FEASIBILITY STUDY**

Dr. Ivor van Heerden will brief the Task Force on the status of the barrier island feasibility study. Enclosed is a copy of the proposed scope of work which Dr. Van Heerden will present.

**SCOPE OF SERVICES****BARRIER SHORELINE PLAN****INTRODUCTION AND BACKGROUND**

The Department is soliciting proposals to assist with the Barrier Shoreline Study authorized by the Coastal Wetlands Planning, Protection and Restoration Act.

The Contracting Party will produce deliverables in the form of three-phased implementation strategies. Each phase will have undergone steps A-M below. The strategy will be disseminated as a Technical Report and an oral presentation. Phase one, to be completed in year one, will outline the optimal configuration for the Barataria-Terrebonne island chain in terms of widening the islands and minimizing inundation. At a minimum, this phase 1) should be largely based on modelling; 2) should consider how to best keep oil and gas infrastructure protected; 3) should consider methods of retrieving offshore sediment for island restoration; 4) should consider, where applicable, the use of hard structures and; 5) should contain an oceanographic and engineering study of the proposed segmented breakwaters at Raccoon Island.

Phase two, to begin after phase one is completed, will consider the chenier plain and will explore methods of moving sediment westward from Trinity Shoal, the coastal mudstream, and the Vermilion Bay/Parish mud flats. The third phase of the plan will focus on the optimum configuration for the Chandeleur chain which may include an inner chain of barrier islands. Each phase will be accompanied by a cost estimate.

The final deliverable will be a series of reports in a format suitable for reporting to Congress for a phased solicitation of authorization and funding. The Contracting Party will give progress reports at the discretion of the Department.

The study purpose is to assess and quantify wetland loss problems linked to protection provided by barrier formations along the Louisiana coast. The study will identify solutions to these problems, attach an estimated cost to these solutions, and determine the barrier configuration which will best protect Louisiana's significant coastal resources from saltwater intrusion, storm surges, wind/wave activity and oil spills. These resources include, but are not limited to, oil and gas production and exploration facilities, the Strategic Petroleum Reserve, pipelines, navigable waterways, and fragile estuarine and island habitats.

The scope of the Study includes consideration of all non-

structural management options along Louisiana's barrier shoreline over a fifty-year period.

The Study area encompasses the coastal barrier shoreline formations between the Mississippi and Atchafalaya Rivers, the chenier plain barrier formations in Vermilion and Cameron Parishes, and the Chandeleur Islands (see attached map).

#### PLAN DEVELOPMENT PROCESS

##### **COORDINATION WITH THE DEPARTMENT**

The Contracting Party shall coordinate extensively with the Department throughout the Study period.

##### **COORDINATION WITH THE PUBLIC, OTHER STUDY PARTICIPANTS AND ASSISTANTS**

The Contracting Party will participate in public and inter-agency meetings when called upon to do so by the Department.

#### STUDY CRITERIA AND REQUIREMENTS

All analyses, projections, assessments, etc., which are described in the Tasks and Deliverables shall be completed in accordance with the *Federal Principles and Guidelines for Water and Related Land Resources Implementation Studies* (March 1983) established by the Water Resources Council under the authority of the Water Resources Planning Act. The Contracting Party shall submit to the Department a plan for ensuring compliance with the *Federal Principles and Guidelines for Water and Related Land Resources Implementation Studies* (March 1983); such plan shall include procedures for evaluating National Economic Development Benefits and Environmental Quality Benefits and provisions to ensure that all appropriate parameters are discounted and annualized properly.

The Contracting Party shall submit to the Department a plan to ensure that the final reports meet the requirements of the National Environmental Policy Act and associated regulations promulgated by the Council on Environmental Quality.

#### TASKS AND DELIVERABLES

##### **A. REVIEW OF PRIOR STUDIES, REPORTS, AND EXISTING PROJECTS**

**TASK 1:** Summarize studies and reports which are pertinent to the study purpose, scope, and area, and identify and

describe existing federal, state, and local barrier shoreline and wetland restoration projects affecting the study area. Identify potential projects which may affect the study area and alternatives considered (e.g., freshwater/sediment diversions).

Deliverable(s): Provide 1) a description, in report format, of studies, reports, and existing projects within the study area and; 2) a plan, to be reviewed and approved by the Department, to obtain and utilize existing information to the maximum extent practicable to avoid duplication with on-going or previous programs.

## B. CONCEPTUAL AND QUANTITATIVE SYSTEM FRAMEWORK

**TASK 1:** Develop a conceptual framework to describe the functions and processes affected by barrier shorelines, and the impacts of those functions and processes upon significant resources (e.g., coastal wetlands, public and private infrastructure, and other economic resources).

At a minimum, this framework should clearly depict the non-event-specific (i.e., fair weather) and event-specific (i.e., foul weather) hydrologic parameters and processes (e.g., extent and duration of flooding, depth of inundation, salinity) that are affected by barrier shorelines, and that affect significant environmental and economic resources. The framework shall also describe the processes and pathways by which those hydrologic parameters affect significant environmental and economic resources (e.g., wetland loss induced by increased duration of tidal inundation, economic impacts caused by storm-driven flooding events). This framework must represent a state-of-the-art conceptualization and must be based upon an extensive review of existing literature, and datasets.

**TASK 2:** Identify and assess the available methods and technologies that quantitatively predict, 1) the effect of changing coastal barrier shoreline formations on the physical and hydrological processes that affect significant environmental and economic resources, and 2) the effect of those changes in physical and hydrological functions and processes on significant economic and environmental resources.

At a minimum, numerical modelling simulations must be assessed for applicability to the Louisiana coast,



quality of predictive capability, ease of utilization, adaptability to available information/inputs and, appropriateness of generated outputs to predicting economic and environmental effects.

Deliverable(s): Provide 1) a technical report and oral presentation of the proposed conceptual framework as described above; 2) a review and assessment of existing quantitative methods and technologies; 3) recommendations regarding specific application for utilization; 4) definitions of the specific inputs (type, form, and scale) required by the application selected and; 5) definitions of the outputs (type, form, and scale) generated for predicting potential effects on economic and environmental resources.

### C. ASSESSMENT OF RESOURCE STATUS AND TRENDS

- TASK 1:** Provide a general qualitative inventory and description of existing physical, economic, environmental, climatological, and cultural conditions and resources to describe general study area and ensure documentation of environmental resources.
- a. **Subtask: Economic resources** - describe oil and gas activities, protection benefits (e.g., oil spill and storm/hurricane protection), infrastructure (e.g., transportation, commercial, and residential), commercial fisheries, and trapping resources
  - b. **Subtask: Social resources** - describe population characteristics, demographic patterns, employment, and income attributes and other social characteristics (e.g., health and safety, recreational opportunities, cultural resources, etc.)
  - c. **Subtask: Climatology and hydrology** - describe climate and general weather patterns within the study area; describe frequency, severity, and effects of event-specific weather occurrences (e.g., hurricanes); describe fair and foul weather hydrologic conditions (e.g., tides, currents, long-shore drift, runoff).
  - d. **Subtask: Water resources** - describe quantity, quality, and distribution of water resources.
  - e. **Subtask: Geological processes** - describe processes (e.g., delta switching, subsidence), geomorphology and resources (e.g., surficial sediments and sand resources).

- f. Subtask: **Biological resources** - describe fish and wildlife resources, bird colony (rookery) habitats, and threatened and endangered species
  - g. Subtask: **Recreational resources** - describe consumptive (fishing, hunting, etc.) and nonconsumptive (photography, birdwatching, etc.) resources and importance
  - h. Subtask: **Cultural resources** - describe general cultural resources, including archaeological sites and historical settlements
  - i. Subtask: **Land Use** - describe land use patterns
- TASK 2:** Document and describe in detail historical and recent land loss trends, including 100-year historical barrier shoreline change (e.g., gulfside, bayside, area, and sediment budget), 50-year historical bathymetric change (e.g., vertical change, sediment budget), 50-year historical wetland change and habitat conversion (e.g., area, vertical).
- TASK 3:** Document and describe natural and human contributors to barrier shoreline degradation and adjacent wetland loss including geological processes (e.g., subsidence) hydrological processes (e.g., storms, floods, saltwater intrusion, sea level rise), biological processes (e.g., nutria eat-out) and, chemical processes (e.g., pollutants and associated vegetative loss), direct human contributors (e.g., land use conversions, dredge canals) and indirect human contributors (e.g., Mississippi River levees).

**Deliverable(s):** Provide 1) a description, in both Technical Report and EIS/EA format, of resource conditions and an assessment of existing environmental conditions; 2) a description, in both technical report and EIS/EA format, of resource conditions, changes and conversions described above; 3) a technical report that quantifies historical and recent change trends; 4) a description, in both technical report and EIS/EA format, of resource conditions; 5) a technical report in EIS format which describes the physical processes that created the barrier formations, the back-barrier and mainland marshes, the maintenance and erosive processes that influence the barrier formations and marshes, and the present geomorphology and hydrology (tidal period, etc.) and; 6) a NEPA-orientated assessment of contributors to barrier shoreline degradation and adjacent wetland loss.

**D. INVENTORY AND ASSESSMENT OF PHYSICAL CONDITIONS AND PARAMETERS**

Quantitative inventory of those physical parameters which 1) were identified in the conceptual system framework developed in Section B, Task 1, and 2) are required as inputs for the quantitative system framework (identified via Section B, Task 2) in order to forecast changes in economic and environmental resource conditions

**TASK 1:** Determine zone of environmental analysis and quantify baseline/current pertinent physical attributes of the environmental zone using conceptual system framework (i.e., storm/hurricane-induced flood events, land use changes, etc.)

**TASK 2:** Determine zone of economic analysis to be used for forecasting future conditions and quantify existing pertinent physical characteristics of economic zone based upon a quantified evaluation of the geographical extent of recent storm-induced flood events and projected wetland/land loss and erosion.

- a. Subtask: Evaluate and quantify characteristics of flooding events (e.g., frequency, duration, stage) required as inputs to the quantitative system framework identified via Section B, Task 2.

**Deliverable(s):** Provide 1) a baseline characterization of physical and hydrologic parameters within the study area; 2) a map delineating the project area; 3) a proposed delineation of the zone of economic analysis and a rationale for that delineation and; 4) the flood event characteristics described above.

**E. INVENTORY AND ASSESSMENT OF EXISTING ENVIRONMENTAL RESOURCE CONDITIONS**

Quantitative inventory and assessment of baseline conditions of those significant resources for which quantitative forecasts will be performed.

**TASK 1:** Describe the criteria used to identify and select "significant" environmental resources for inventory.

**TASK 2:** Inventory, assess, and quantify significant environmental resources such as habitat quality and quantity including breeding grounds, wintering areas, endangered species habitat and wildlife refuges

- a. Subtask: Inventory and assess other significant fish and wildlife resources, both commercial and non-commercial (e.g., fisheries spawning/nursery areas, wildlife refuges, endangered species habitat, waterfowl wintering areas, etc.)

Deliverable(s): The Contracting Party shall review pertinent literature and provide a justification for identification and selection of significant resources in EIS format, citing appropriate references to support the justification; 2) provide habitat/wetland change maps from the following years (when available): 1932, 1956, 1978, 1984, 1988, and 1993/94; 3) obtain land loss statistics of project area; 4) describe the habitat changes and land loss using data from the U.S. Army Corps of Engineers and the National Biological Survey and the Department of Natural Resources and; 5) provide, in EIS format, a narrative that quantifies the present market values, catch, trapping numbers, etc., of the major revenue-generating environmental resources and any changes in these values for a five to ten year period (the major resources should include commercial fisheries, commercial wildlife, recreation values, and real estate values).

#### F. INVENTORY AND ASSESSMENT OF EXISTING ECONOMIC RESOURCE CONDITIONS

Quantitative inventory and assessment of baseline conditions of those significant resources within the zone of economic analysis delineated via Section D, Task 2, for which quantitative forecasts will be performed.

TASK 1: Inventory and assess significant economic resources within the study area

- a. Subtask: Inventory and assess private residential, commercial, and industrial structures and facilities (e.g., oil and gas pipelines and facilities, maritime transport operations), assess economic worth (value of structure, contents, and productivity) of structures and facilities, delineate susceptibility to hurricane/storm induced flood damages and susceptibility to loss or damage caused by oil spill, wave activity, wetland/land loss, shoreline erosion, etc.
- b. Subtask: Inventory of farmland/agricultural acreage within the study area, crop types, and production rates and values; assessment of susceptibility to storm/hurricane induced flood damages and susceptibility to loss or damage caused by oil spill,

wave activity, wetland/land loss, shoreline erosion, etc.

- c. Subtask: Inventory and assess public resources within the study area such as schools, highways, roads, bridges, railroads, the Strategic Petroleum Reserve, airports, navigation channels and structures, and publicly sponsored water resources projects (e.g., hurricane protection projects, coastal restoration projects, municipal water supply and wastewater treatment facilities).

**TASK 2:** Evaluate previous damages and losses caused or induced by storm-induced floods, oil spill, wave activity, wetland/land loss, shoreline erosion, etc., within the study area.

Deliverable(s): Provide to the Department for its review and approval 1) an inventory and economic valuation, including replacement and abandonment costs, of the above described structures and facilities; 2) a quantitative assessment of the susceptibility of the structures and facilities to loss or damage and; 3) a quantitative assessment of previous damages and losses to those facilities, structures, resources, and projects evaluated in Subtasks 1a., 1b., and 1c. of this Section.

#### **G. FORECASTED TRENDS IN PHYSICAL AND HYDROLOGICAL CONDITIONS**

Using the method(s) developed via Section B, Task 2, forecast and quantify changes in those physical and hydrological parameters and processes (identified via Section D, Tasks 1 and 2) which are affected by barrier shoreline formations, and which affect the environmental and economic resources identified in Sections E. and F.

**TASK 1:** Quantify projected changes in the topography and bathymetry of barrier formations and associated tidal passes

**TASK 2:** Quantify forecasted changes in those event-specific and non-event-specific wave patterns and characteristics (e.g., height, frequency) which were identified as factors affecting land loss, wetland loss, or other significant economic or environmental resources.

**TASK 3:** Quantify forecasted changes in those tidal conditions and patterns (e.g., topographic extent, depth, frequency and duration of inundation) which were

identified as factors affecting land loss, wetland loss, or other significant economic or environmental resources.

- TASK 4:** Quantify projected changes in those event-specific flood characteristics (e.g., frequency, stage, duration) which were identified as factors affecting land loss or other significant economic or environmental resources.
- TASK 5:** Quantify other pertinent projected changes (e.g., salinity regimes) that affect land loss, wetland loss, or other significant environmental and economic resources.

Deliverable(s): Provide 1) a technical report and presentation illustrating the forecasted changes in the bathymetry and topography; 2) a description and associated visual figures which quantify changes in wave patterns and characteristics affecting wetland/land loss or other significant resources; 3) a description and associated visual figures which forecast changes in those tidal conditions identified as factors affecting land loss or other significant resources; 4) a description and associated visual figures which depict forecasted changes in event-specific flood characteristics identified as factors affecting wetland/land loss or other significant resources and; 5) a description and associated visual figures which forecast changes in salinity regimes, subsidence, or other pertinent changes identified as factors affecting wetland/land loss or other significant resources.

#### **H. FORECASTED TRENDS IN ENVIRONMENTAL RESOURCE CONDITIONS**

Project, assess, and quantify future effects on significant environmental resources (e.g., project wetland loss, habitat conversion, etc.).

- TASK 1:** Quantify the effects of hydrological and physical conditions on wetland acreage, and quantity and quality of fish and wildlife habitat.

Deliverable(s): A technical report describing the modelling results.

#### **I. FORMULATION OF STRATEGIC OPTIONS**

Describe and evaluate the problems, needs and opportunities. Use this information to develop a matrix of initial alternative management options for the three sub-areas of the study area (the Barataria-Terrebonne island chain, the chenier plain and Chandeleur island chain).

**TASK 1: Identify and define array of strategic options**

- a. Subtask: Consider no action
- b. Subtask: Implement strategic retreat (a planned decision to remove human infrastructure as the shoreline erodes landward and to permit existing wetlands to migrate landward in response to relative sea level rise and to re-establish in inundated areas that currently are uplands)
- c. Subtask: Implement a fall back line of new barriers landward of the present barrier shoreline
- d. Subtask: Preserve existing barrier formation configuration
- e. Subtask: Restore historical barrier formation configuration (e.g., late 1800's)
- f. Subtask: Other potential strategic options

**Deliverable(s):** A technical report describing the results of this analysis including a description of the decision making process.

**J. ASSESSMENT OF STRATEGIC OPTIONS**

Evaluate and assess the strategic options for the three sub-areas of the study area (the Barataria-Terrebonne island chain, the chenier plain, and the Chandeleur Islands).

- TASK 1:** Assess the general environmental, economic, social and engineering aspects of implementation of the alternative management options within each sub-area/basin to select final area of alternatives from the initial array of alternatives *array*
- TASK 2:** Identify and define final array of management alternatives.
- TASK 3:** Quantify the effects of varying management options on present resource conditions using historical trends,

and numerical simulations

- a. Subtask: Quantify effects of management options on significant environmental resources such as wetland acreage, fish and wildlife habitat, etc.

**TASK 4:** Evaluate management options based on a comparison of predicted future conditions relative to projected future without action project scenario resource conditions

- a. Subtask: Evaluate the feasibility of segmented breakwaters at Raccoon Island from oceanographic and engineering perspectives (Phase 1 only)

Deliverable(s): A technical report describing the results of the analyses and evaluation(s).

#### **K. IDENTIFICATION AND ASSESSMENT OF MANAGEMENT AND ENGINEERING ALTERNATIVES**

**TASK 1:** Evaluate engineering and management techniques (using historical data and/or simulations) to assess general applicability, costs, and long-term impacts for specific management options

- a. Subtask: Evaluate soft-structure techniques (beach replenishment and dune building, vegetative plantings, sand fences, etc.)
- b. Subtask: Evaluate non-structural management practices (e.g., regulatory controls)

**TASK 2:** Assess the effectiveness of various management techniques for long-term and short-term environmental impacts, costs, maintenance requirements, etc. at specific barrier sites

Deliverable(s): A technical report describing the results of these evaluations.

#### **L. DESCRIPTION AND RATIONALE FOR THE SELECTED PLAN(S)**

**TASK 1:** Define the criteria for selection of the preferred management plan and identify the selected strategy(ies) in enough detail to form the basis of



preliminary engineering and design. Preliminary cost estimates shall include engineering and design (including necessary site/field investigations), construction, monitoring, maintenance, and administration

Deliverable(s): A technical report and presentation of the criteria.

#### M. PROJECT IMPLEMENTATION STRATEGY

TASK 1: Identify potential and preferred implementation strategy for each of the three phases. Each implementation strategy will have undergone steps A-M above

Deliverable(s): A Technical Report and presentation of a phased implementation plan. Phase one, to be completed in year one, will consist of a plan which will yield the best configuration for the Barataria-Terrebonne island chain in terms of minimizing inundation and widening the islands. At a minimum, this phase should be largely based on modelling, should consider how to best keep oil and gas infrastructure protected, should consider methods of retrieving offshore sand for island restoration, should contain an oceanographic and engineering study of segmented breakwaters at Racoon Island, and should include a cost estimate. Phase two, to begin after phase one is completed, will consider the chenier plain and will explore methods of moving sediment westward from Trinity Shoal and the Vermilion Bay/Parish mud flats. The third phase of the plan will focus on the optimum configuration for the Chandeleur chain.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

16 December 1994

**MISSISSIPPI RIVER SEDIMENT, NUTRIENT, AND  
FRESHWATER DISTRIBUTION FEASIBILITY STUDY**

Mr. Tim Axtman will brief the Task Force on the status of the Mississippi River Sediment, Nutrient, and Freshwater Distribution study. Enclosed are an overview and outline of the study.

## MISSISSIPPI RIVER SEDIMENT, NUTRIENT & FRESHWATER REDISTRIBUTION STUDY

### Study Objective.

The purpose of this study is to select the optimum implementation plan to reinstate the land building and wetland maintenance functions of the Lower Mississippi River system. This will involve investigation of potential redistribution's of the natural resources present in a multi-user environment with the intent of increasing the environmental outputs of the ecosystem. The most valuable renewable natural resources in coastal Louisiana are the Mississippi River's freshwater, nutrients and sediments. At the present time almost 70% of these resources are under utilized because of confined river discharge into deep waters of the Gulf of Mexico. Consequently, coastal Louisiana is losing its valuable wetlands at an alarming rate.

The objective of this study is the maximization of the available resources of the Mississippi River in order to their use for the create, restore, protect and enhance coastal wetlands. Giving due consideration to all existing uses of the river, the availability and distribution of these resources will be quantified and optimized. The study will develop and recommend measures to abate continued losses and restore a component of growth in the coastal wetlands.

### Study Area

The area is comprised of the entire Mississippi River Deltaic Plain, from the East Atchafalaya Basin Protection Levee eastward to the Louisiana-Mississippi state border. This is essentially the area represented by the Terrebonne, Barataria, Pontchartrain, Breton Sound and Mississippi River Delta basins in the CWPPRA restoration plan. The northern boundary of the area is formed by the Mississippi River from Old River Lock southward to the City of Baton Rouge. From Baton Rouge the boundary follows a line eastward to the Amite River and follows this river to its mouth in Lake Maurepas. From this point the northern extent of the study area conforms to a line delineating the approximate 5-foot contour traveling eastward until its intersection with the Louisiana-Mississippi border. The area is bounded to the south by the Gulf of Mexico. The study area encompasses approximately 6.4 million acres, or 10,000 square miles.

### Authorization and Study Background.

This study is being funded through the budget for planning activities as specified in the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA), PL 101-646. At the direction of the CWPPRA Task Force the study is being led and managed by the U.S. Army Corps of Engineers. The management of this study will also include a sub-set of the Task Force in the form of a MRSNFR Study Team which will provide inter-agency and scientific guidance. In addition, the input of interested members of the general public, and academia at large will be sought out. MRSNFR Engineering, Environmental and Economic Work Groups comprised of member of the task force agencies will be utilized to complete the necessary analysis, as well as contract services.

Mississippi River Sediment, Nutrient and Freshwater Redistribution Study Outline  
MRSNFR Study Team Meeting 1 Dec 94

The following general outline of major study steps was suggested by Dr. Bahr and agreed upon by the MRSNFR Study Team. These steps are based on the major steps indicated by the Water Resources Planning Principles and Guidelines (P&G). This outline represents a reordering of the previous scope of work activities

I. Specification of Problems and Opportunities relevant to the planning setting, State and Local Concerns (State plan).

This step incorporates the initial development of the riverine hydraulic model with State, Local and public coordination in alternative development as well as the coordination with the long term plans of other industrial users of the resources. The development of the model, and the initial budget of Mississippi River resources, is viewed as a critical step in refining and constraining the geographic limits of the study. This analytic effort will provide an initial screening tool by identifying the most hydraulically efficient and executable plan. This will enable the inventory and forecasting efforts of the study to proceed in the most focused and efficient manner possible.

Some major components of this step which aid in defining problems and opportunities include:

- A<sub>1</sub>. Budget (Water, Sediment, & Nutrients)
- A<sub>2</sub>. Hydraulic Model (i) initialize & (ii) 1st diversion run
- B. State preferred plan-Spreadsheet matrix-Screening (Sediment needs, ecological/environmental considerations & geology)
- C. Special Design Considerations (River channel deepening, navigation maintenance, etc...)
- D. Draft Implementation Plan

Other efforts in support of these components will also be required.

Current cost estimate: \$619K

II. Inventory Relevant Conditions.

The inventory and forecasting of physical, environmental and economic conditions is an area of concern due to the extent of the study area. The execution of the initial step is intended to reduce the magnitude of this effort. Some physical information relative to the specific diversion sites will be required in executing the initial step. The development of limited portions of the existing conditions may also begin in conjunction with the modeling effort.

The first two steps are the target for the first year of the study.

Current cost estimate: \$489.85K

### III. Formulate Alternative Plans.

Formulation of the alternatives passing the initial modeling will require two phases. The initial phase of formulation will provide a means for the array of alternatives to be reduced to a more manageable number. This phase will involve gross estimates of costs and outputs along with qualitative ratings of alternatives implementability.

The second phase will produce a detailed formulation of the reduced array. The analysis will include more detailed cost and output estimates and quantitative assessments of implementability. The second phase of this step also includes the completion of the riverine modeling effort.

Current cost estimate: Phase one \$209.25K, Phase two \$870.5K

### IV. Evaluate Economic and Environmental Effects.

This step will also require two phases in order to compliment the alternative formulation. The first phase will rely on the analysis of environmental effects to reduce the array of alternatives. The emphasis on economic analyses will be greatest for analyzing the final array of alternatives.

Current cost estimate: Environmental \$446K, Economic \$347.7K

### V. Compare Alternative Plans.

The comparison of alternative plans will occur at each step or phase where the array of alternatives is reduced. The analytic data used to make these comparisons will be increased in detail and scope at each step.

Current cost estimate: The comparison of alternatives is a component of the activities in steps III & IV and is included in those costs.

### VI. Select Recommended Plan based on greatest net benefit.

The final and most detailed comparison of alternative plans will be used to select the recommended plan. The locally preferred plan, if different from the recommended plan, will also be identified.

Current cost estimate: \$319.75K

Current Estimated Cost: \$3,311.05K

25% Contingency: \$827.75K

Current Total Study Cost: \$4,138.80K

Breakdown of MRSNFR first year costs and distribution

Organization	Step I	Step II	Total
COE			
PD-FE	80.5	63.5	144.0
PD-E	35.8	29.3	65.1
PD-R	32.85	6.0	38.85
ED-H	215.0	30.0	245.0
ED-F	30.2		30.2
ED-SR		30.0	30.0
RE-L	5.0		5.0
OD-ON	5.0		5.0
<b>subtotal</b>	<b>404.35</b>	<b>158.8</b>	<b>563.15</b>
DNR-CRD	44.5	38.5	83.0
LDWF	16.6	28.0	44.6
AAG	6.6		6.6
EPA	30.25	25.8	56.05
NBS	6.0	6.0	12.0
NMFS	24.7	19.2	43.9
SCS	57.0	174.95	231.95
USFWS	15.0	32.5	47.5
USGS	14.0	6.1	20.1
<b>subtotal</b>	<b>214.65</b>	<b>331.05</b>	<b>545.7</b>
<b>TOTAL</b>	<b>619.0</b>	<b>489.85</b>	<b>1,108.85</b>

Total Study Cost:  
\$ 4.14 M

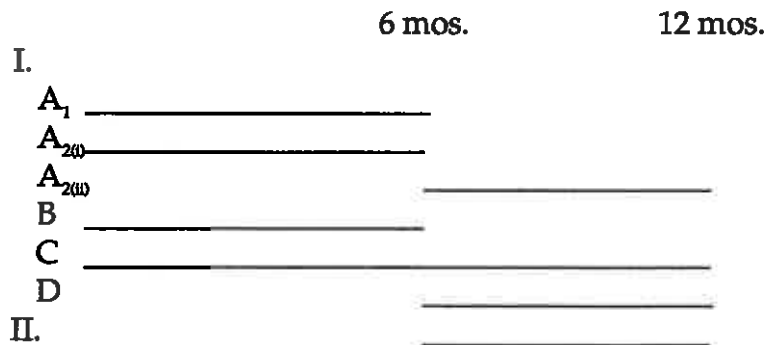
No \$ specific alloc. for consultation

Jim Stone: Conc. about lack of opport. for contractors

Stone: Should ask for pre-proposals

~~Contract~~ / Schroeder: Agency can decide how much they will contract

Tentative timeline for steps I & II.



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

16 December 1994

SELECTION OF THE 4TH PRIORITY PROJECT LIST

Mr. Robert Schroeder will present the recommendation of the Technical Committee for the 4th Priority Project List. A list of the projects recommended by the committee is enclosed, as are a list of the candidate projects from which the list was selected and the rankings provided by members of the Citizen Participation Group. Also enclosed is a map for each of the recommended projects.

Technical Committee Project Rankings for the 4th Priority Project List

8 Dec 94

Project No.	Project Name	Average Annual Cost (\$)	Average Annual Habitat Units (AAHU's)	Avg Annual Cost/AAHU (\$/AAHU)	Average Annual Acres	Net Acres After 20 Years	Fully Funded Cost (\$ X 1000)	Cummulative Fully Funded (\$ X 1000)	Sponsoring Agency
PPO-4	Eden Isles East Marsh Restoration	363,500	1,253	290	934	1,454	5,019	5,019	NMFS/FWS
PBA-34	Bayou L'Ours Ridge Hydrologic Restoration	184,100	467	394			2,419	7,438	NRCS
PBS-6	Grand Bay Crevasse	256,800	257	999	333	634	2,469	9,907	USACE
XTE-45/67b	East Timbalier Barrier Island Restoration	617,800	140	4,413	140	215	5,752	15,659	NMFS
PCS-26	Peary Ridge Bank Protection	220,700	624	354			2,224	17,883	NRCS
PBA-12	Barataria Bay Waterway Bank Protection (W.S. & C)	145,500	63	2,310			2,195	20,078	NRCS →
TV-5/7	Marsh Island Marsh Creation & Hydrologic Restoration	354,700	452	785	233	408	3,907	23,985	USACE
BA-3c	Nabmi Outfall Management	139,700	379	369	334	633	1,857	25,842	NRCS
PMR-8	Pass a Loure Sediment Mining	162,800	125	1,302	132	120	1,633	27,475	USACE →
CS-16	Black Bayou Culverts	849,300	592	1,435	440	837	8,296	35,771	USACE
TE-10/XTE-49	Grand Bayou / GIWW Freshwater Introduction	406,000	771	527	844	1,609	5,181	40,952	USFWS
PTV-19	Little Vermilion Bay Sediment Trapping	110,100	149	739	238	441	1,133	42,085	NMFS

35,247

3,626

Technical Committee Demonstration Project Rankings

Project No.	Project Name	Average Annual Cost (\$)	Average Annual Habitat Units (AAHU's)	Avg Annual Cost/AAHU (\$/AAHU)	Average Annual Acres	Net Acres After 20 Years	Fully Funded Cost (\$ X 1000)	Cummulative Fully Funded (\$ X 1000)	Sponsoring Agency
XMR-12	Beneficial Use of Hopper Dredge Material	NA	NA	NA	NA	NA	300	300	USACE
XCS-	Plowed Terraces Demo	NA	NA	NA	NA	NA	300	600	NRCS
XTE-54b	Flotant Marsh Fencing Demo	NA	NA	NA	NA	NA	367	967	NRCS
XCS-36	Compost Demo	NA	NA	NA	NA	NA	371	1,338	EPA

EPA: Environmental Protection Agency  
 USACE: US Army Corps of Engineers  
 NMFS: National Marine Fisheries Service  
 USFWS: US Fish and Wildlife Service  
 NRCS: Natural Resources Conservation Service (formerly Soil Conservation Service)

Change the reports with 50% of project to be conservation (Habitat) + 50% to be conservation (Habitat) + 50% to be conservation (Habitat) + 50% to be conservation (Habitat)

50% of project to be conservation (Habitat) + 50% to be conservation (Habitat) + 50% to be conservation (Habitat) + 50% to be conservation (Habitat)

Not to be taken out of the system + 50% to be conservation (Habitat) + 50% to be conservation (Habitat) + 50% to be conservation (Habitat) + 50% to be conservation (Habitat)



Candidate Projects for the 4th Priority Project List\*

Project No.	Project Name	Average Annual Cost (\$)	Average Annual Habitat Units (AAHU's)	Average Annual Cost/AAHU (\$/AAHU)	Average Annual Acres	Net Acres After 20 Years	Fully Funded Cost (\$ X 1000)	Cummulative Fully Funded (\$ X 1000)	Sponsoring Agency
PPO-4	Eden Isles East Marsh Restoration	363,500	1,253	290	934	1,454	5,019	5,019	NMFS
BA-3c	Naomi Outfall Management	139,700	379	369	334	633	1,857	6,876	NRCS
PCS-26	Perry Ridge Bank Protection	220,700	624	354			2,224	9,100	NRCS
TE-10/XTE-49	Grand Bayou / GIWW Freshwater Introduction	406,000	771	527	844	1,609	5,181	14,281	USFWS
PBA-34	Bayou L'Ours Ridge Hydrologic Restoration	184,100	467	394			2,419	16,700	NRCS
PTV-19	Little Vermilion Bay Sediment Trapping	110,100	149	739	238	441	1,133	17,833	NMFS
TV-5/7	Marsh Island Marsh Creation & Hydrologic Restoration	354,700	452	785	233	408	3,907	21,740	USACE
PBS-6	Grand Bay Crevasse	256,800	257	999	333	634	2,469	24,209	USACE
PMR-8	Pass a Loutre Sediment Mining	162,800	125	1,302	132	120	1,633	25,842	USACE
CS-16	Black Bayou Culverts	849,300	592	1,435	440	837	8,296	34,138	USACE
PBA-12	Barataria Bay Waterway Bank Protection (West)	145,500	63	2,310			2,195	36,333	NRCS
BS-5	Bayou Lamoque Outfall Management	95,700	39	2,454	31	59	1,048	37,381	NRCS
XME-29	Freshwater Bayou Bank Stabilization	628,100	248	2,533	262	511	8,038	45,419	USACE
PO-15	Alligator Point Marsh Restoration	190,300	73	2,607	30	58	2,555	47,974	NRCS
CS-11b	Sweet Lake/Willow Lake Shoreline Protection	423,400	119	3,558	70	138	4,917	52,891	USACE
XTE-45/67b	East Timbalier Barrier Island Restoration	617,800	140	4,413	140	215	5,752	58,643	NMFS
XTV-27	Freshwater Bayou Bank Stabilization	782,700	173	4,524	354	739	10,109	68,752	USACE
PME-1	GIWW Bank Stabilization	115,100	25	4,604	3	7	1,270	70,022	USACE
PPO-2b	Lake Borgne Shoreline Protection	228,200	45	5,071	63	81	2,504	72,526	NRCS
XCS-44/51	Plug West Cove Canal Hydrologic Restoration	80,800	15	5,387	6	11	1,033	73,559	USFWS
BS-6	Lake Lery Hydrologic Restoration	158,500	26	6,096	22	37	1,904	75,463	NRCS
PTE-15bii	Raccoon Island Breakwaters	248,500	14	17,750	22	26	2,631	78,094	NRCS

Candidate Demonstration Projects for the 4th Priority Project List

Project No.	Project Name	Average Annual Cost (\$)	Average Annual Habitat Units (AAHU's)	Average Annual Cost/AAHU (\$/AAHU)	Average Annual Acres	Net Acres After 20 Years	Fully Funded Cost (\$ X 1000)	Cummulative Fully Funded (\$ X 1000)	Sponsoring Agency
PPO-21	N.O. East Marsh Creation for Storm Water Treatment	NA	NA	NA	NA	NA	1,203	NA	EPA
XPO-92a	Bayou Chevee Shoreline Protection Demo	NA	NA	NA	NA	NA	1,566	NA	USACE
XPO-92b	Lake Borgne South of Bayou Bienvenue Shore Prot Demo	NA	NA	NA	NA	NA	253	NA	USACE
XPO-93	Marsh Creation with Biosolids	NA	NA	NA	NA	NA	891	NA	EPA
XTE-54b	Floating Marsh Fencing Demo	NA	NA	NA	NA	NA	367	NA	NRCS
XAT-5a	Marsh Creation w/ Flexible Dredge Pipe	NA	NA	NA	NA	NA	318	NA	EPA
XTE-66	Sediment System Distribution Demo	NA	NA	NA	NA	NA	1,311	NA	EPA
XTV-	Wave Dissipation Demo at Marsh Island	NA	NA	NA	NA	NA	335	NA	NRCS
XCS-36	Compost Demo	NA	NA	NA	NA	NA	371	NA	EPA
XCS-	Plowed Terraces Demo	NA	NA	NA	NA	NA	300	NA	NRCS
XMR-12	Beneficial Use of Hopper Dredged Material	NA	NA	NA	NA	NA	300	NA	USACE

EPA: Environmental Protection Agency  
 NMFS: National Marine Fisheries Service  
 NRCS: Natural Resources Conservation Service (formerly Soil Conservation Service)

USACE: US Army Corps of Engineers  
 USFWS: US Fish and Wildlife Service

\* Estimated costs and benefits for the Perry Ridge, Bayou L'Ours, and Barataria Bay Waterway projects have been revised according to the proposals at the 28 Nov 94 Technical Committee meeting. Net Acres after 20 years and Average Annual Acres are not available.

CWPPRA Candidate Projects for the 4th Priority Project List  
Citizens Participation Group

Project No.	Project Name	Avg Annual Cost/AAHU (\$/AAHU)	Net Acres		Fully Funded Cost (\$ X 1000)	Sponsoring Agency	Coalition to Restore		LA Farm Bureau Federation	LA League of Woman Voters
			After 20 Years	After 20 Years			Intracoastal Canal Assoc	Coastal LA		
PPO-4	Eden Isles East Marsh Restoration	290	1,454	5,019	NMFS	X	1	1	1	1
BA-3c	Naomi Outfall Management	369	633	1,857	NRCS	X	2	4	4	5
PCS-26	Perry Ridge Bank Protection	354	527	2,224	NRCS	X	4	2	2	5
TE-10/XTE-49	Grand Bayou /GIWW Freshwater Introduction	527	1,609	5,181	USFWS	X	5	5	6	2
PBA-34	Bayou L'Ours Ridge Hydrologic Restoration	394	441	2,419	NRCS	X	7	6	6	2
PTV-19	Little Vermillion Bay Sediment Trapping	739	408	1,133	NMFS		8			
TV-5/7	Marsh Island Marsh Creation & Hydrologic Restoration	785	999	3,907	USACE	X	3	5	3	3
PBS-6	Grand Bay C.revasse	999	634	2,469	USACE	X	9	5	4	4
PMR-8	Pass a Loutre Sediment Mining	1302	120	1,633	USACE					
CS-16	Black Bayou Culverts	1435	837	8,296	USACE					
PBA-12	Barataria Bay Waterway Bank Protection (West)	2310	2510	2,195	NRCS		6	3	3	6
BS-5	Bayou Lamoque Outfall Management	2454	59	1,048	NRCS					
XME-29	Freshwater Bayou Bank Stabilization	2533	511	8,038	USACE					
PO-15	Alligator Point Marsh Restoration	2607	58	2,555	NRCS	X				
CS-11b	Sweet Lake/Willow Lake Shoreline Protection	3558	138	4,917	USACE					
XTE-45/67b	East Timberlaker Barrier Island Restoration	4413	215	5,752	NMFS	X				
XTV-27	Freshwater Bayou Bank Stabilization	4524	739	10,109	USACE					
PME-1	GIWW Bank Stabilization	4604	7	1,270	USACE					
PPO-2b	Lake Borgne Shoreline Protection	5071	81	2,504	NRCS					
XCS-44/51	Plug West Cove Canal Hydrologic Restoration	5387	11	1,033	USFWS					
BS-6	Lake Lery Hydrologic Restoration	6096	37	1,904	NRCS					
PTE-15bii	Raccoon Island Breakwaters	17750	26	2,631	NRCS					

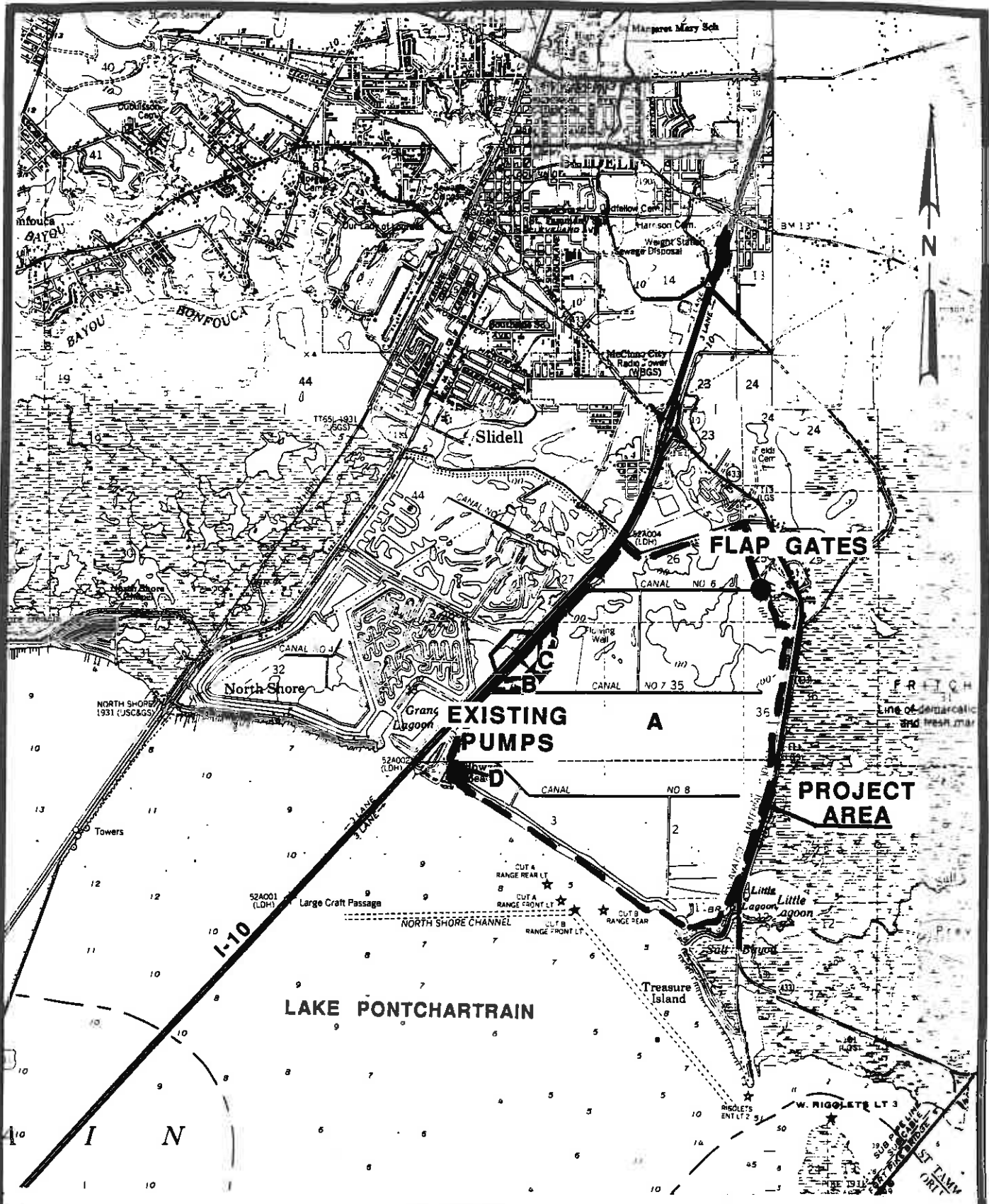
CWPPRA Candidate Demonstration Projects for the 4th Priority Project List

Project No.	Project Name	Avg Annual Cost/AAHU (\$/AAHU)	Net Acres		Fully Funded Cost (\$ X 1000)	Sponsoring Agency	Coalition to Restore		LA Farm Bureau Federation	LA League of Woman Voters
			After 20 Years	After 20 Years			Coastal LA	Intracoastal Canal Assoc		
PPO-21	N.O. East Marsh Creation for Storm Water Treatment	NA	NA	1,203	EPA					
XPO-92a	Bayou Chevee Shoreline Protection Demo	NA	NA	1,566	USACE					
XPO-92b	Lake Borgne South of Bayou Bienvenue Shore Prot Demo	NA	NA	253	USACE					
XPO-93	Marsh Creation with Biosolids	NA	NA	891	EPA					
XTE-54b	Flotant Marsh Fencing Demo	NA	NA	367	NRCS	X	2	4	4	X
XAT-5a	Marsh Creation w/ Flexible Dredge Pipe	NA	NA	318	EPA					
XTE-66	Sediment System Distribution Demo	NA	NA	1,311	EPA					
XTV-	Wave Dissipation Demo at Marsh Island	NA	NA	335	NRCS					
XCS-36	Compost Demo	NA	NA	371	EPA	X	1	3	3	X
XCS-	Plowed Terraces Demo	NA	NA	300	NRCS		3	1	1	
XMR-12	Beneficial Use of Hopper Dredged Material	NA	NA	300	USACE	X	4	2	2	X

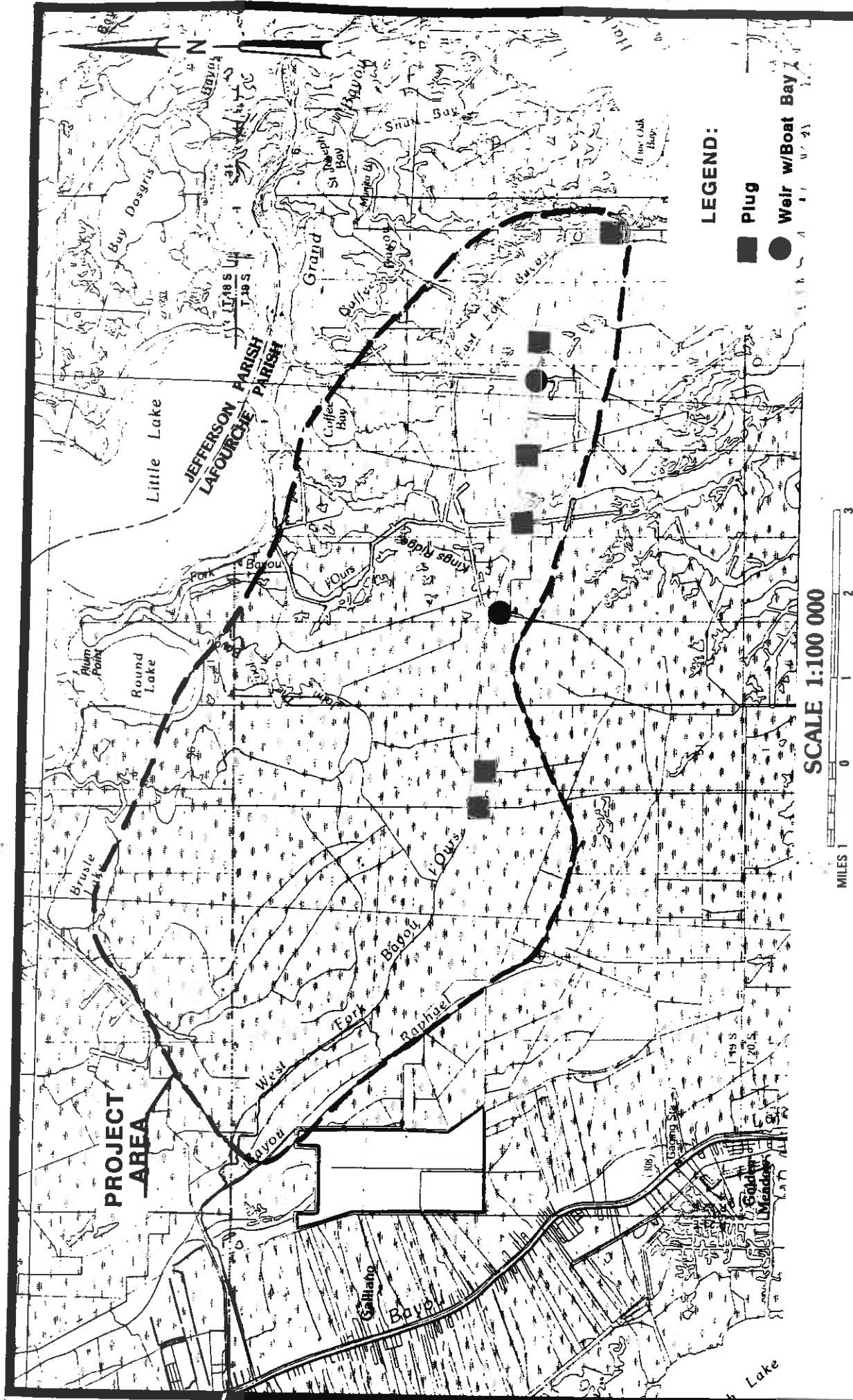
EPA: Environmental Protection Agency  
 USACE: US Army Corps of Engineers  
 NMFS: National Marine Fisheries Service  
 USFWS: US Fish and Wildlife Service  
 NRCS: Natural Resources Conservation Service (formerly Soil Conservation Service)

\* Estimated costs and benefits for the Perry Ridge, Bayou L'Ours, and Barataria Bay Waterway projects have been revised according to the proposals at the 28 Nov 94 Technical Committee meeting. Net Acres after 20 years and Average Annual Acres are not available.

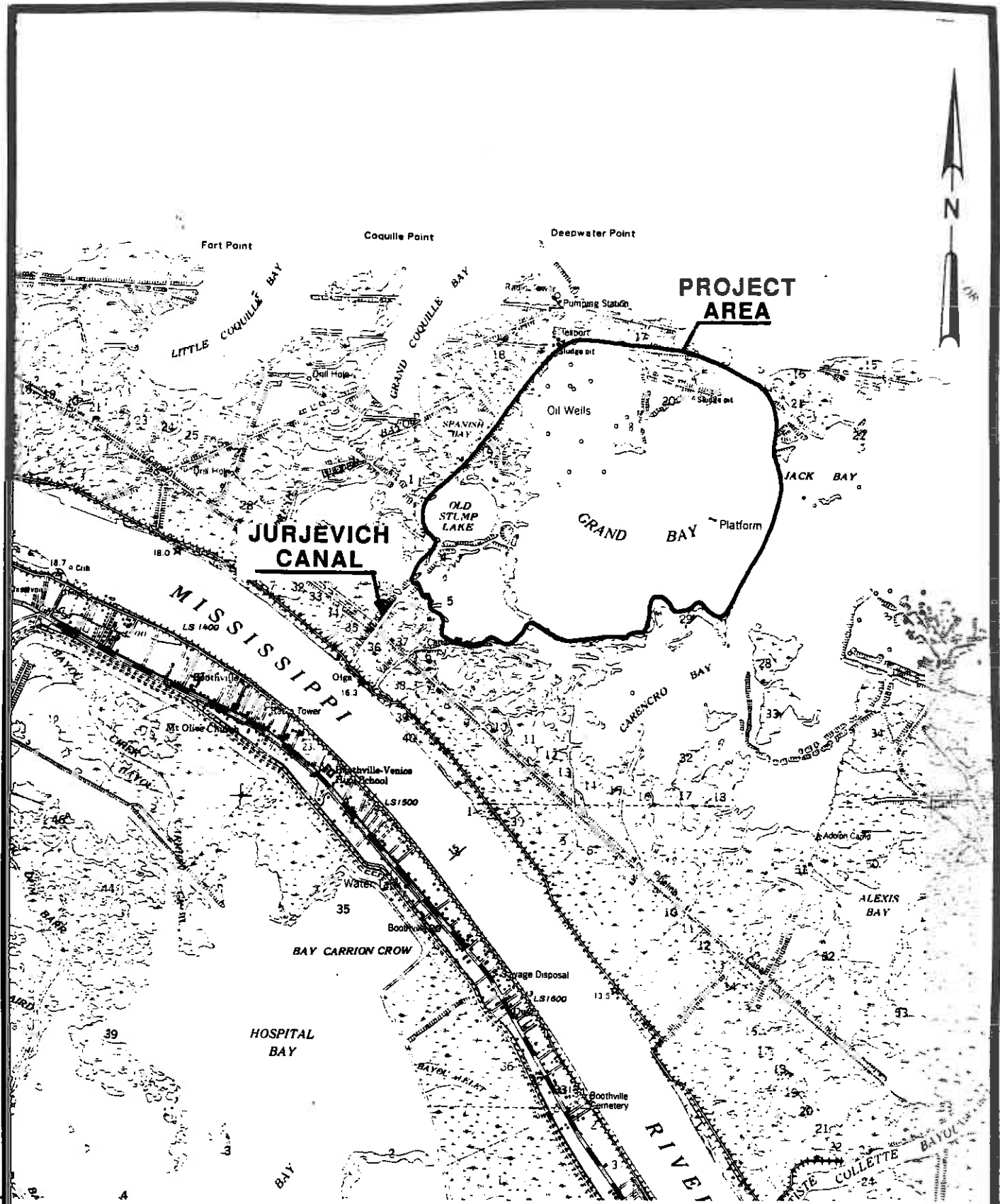
Organizations listed in this table were the ones present at the CPG meeting of 12 Dec 94



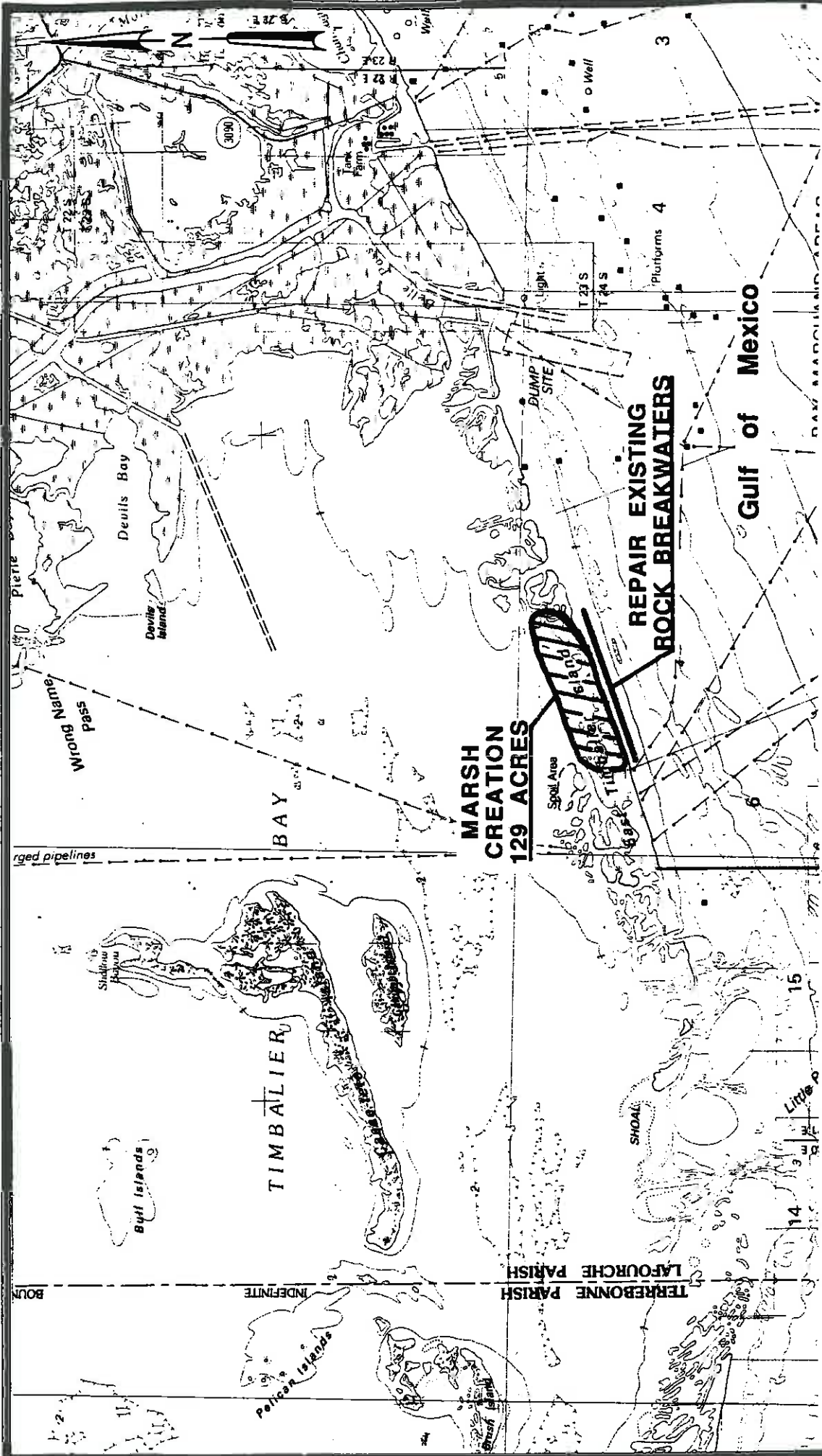
PPO-4 EDEN ISLES EAST MARSH RESTORATION



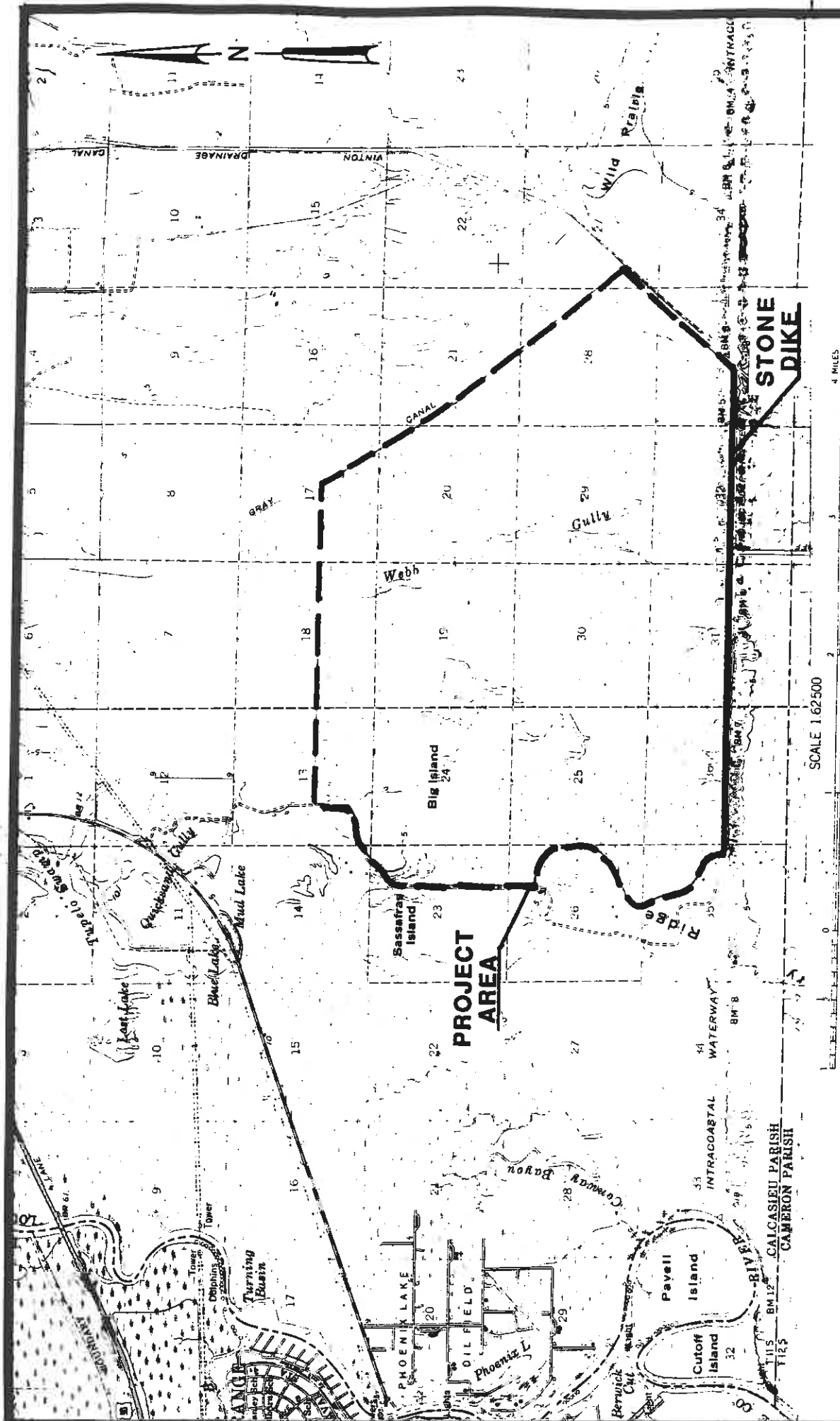
**PBA-34 BAYOU L'OURS RIDGE HYDROLOGIC RESTORATION**



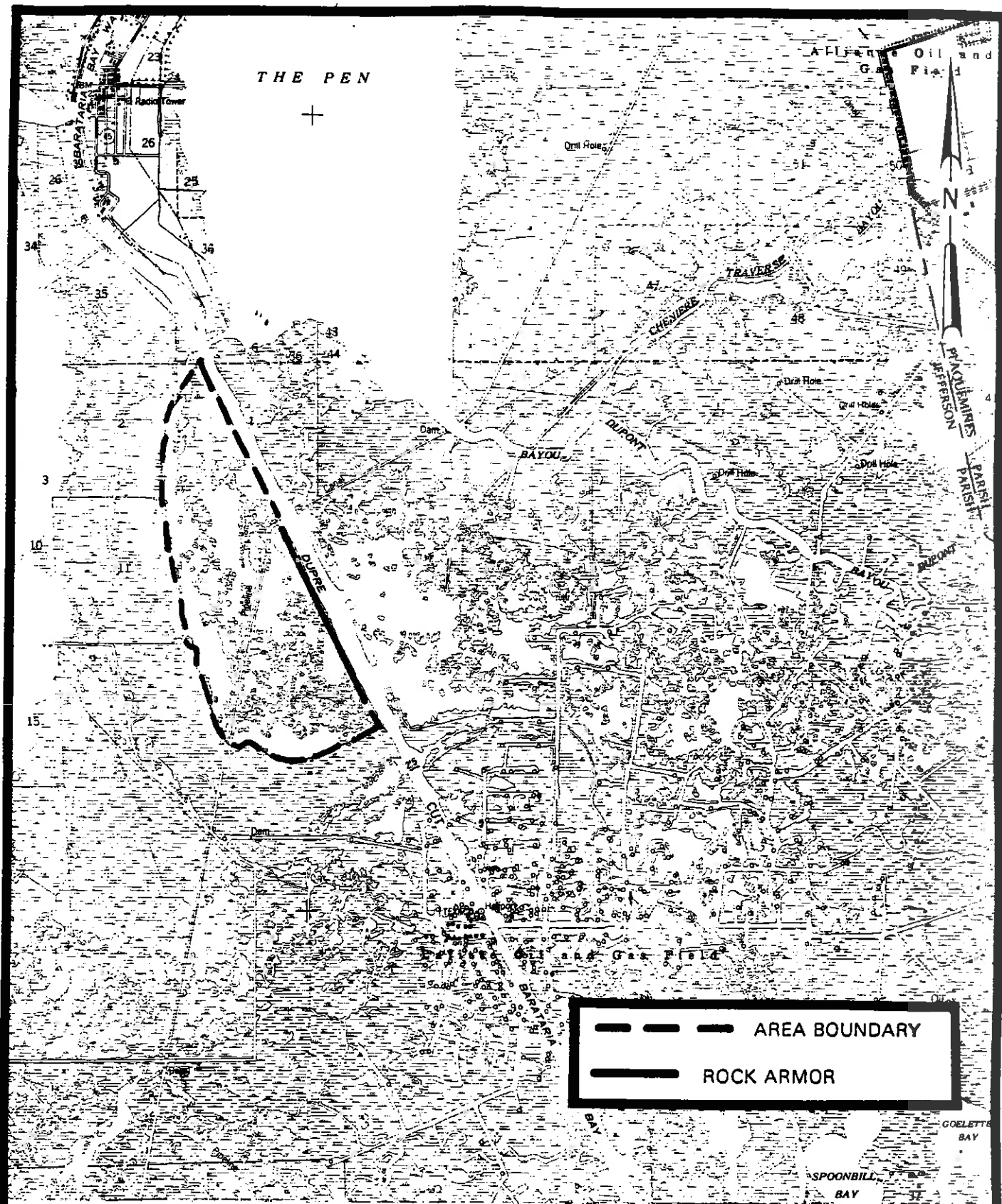
**PBS-6 CREVASSE DEVELOPMENT AT GRAND BAY**



XTE-45/67b EAST TIMBALIER BARRIER ISLAND RESTORATION



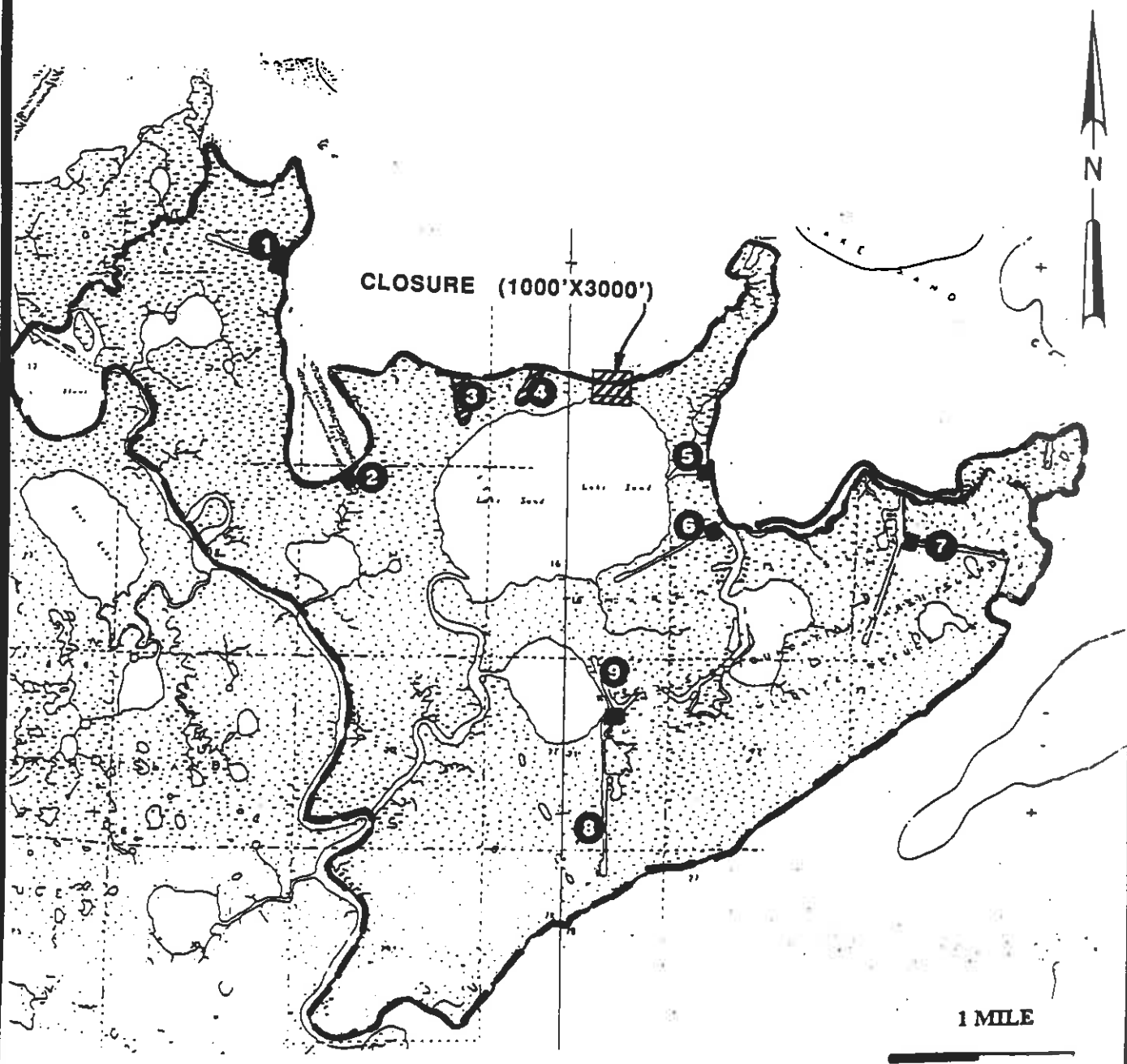
**PCS-26 PERRY RIDGE BANK PROTECTION**







**PBA-12 BARATARIA BAY WATERWAY BANK PROTECTION**



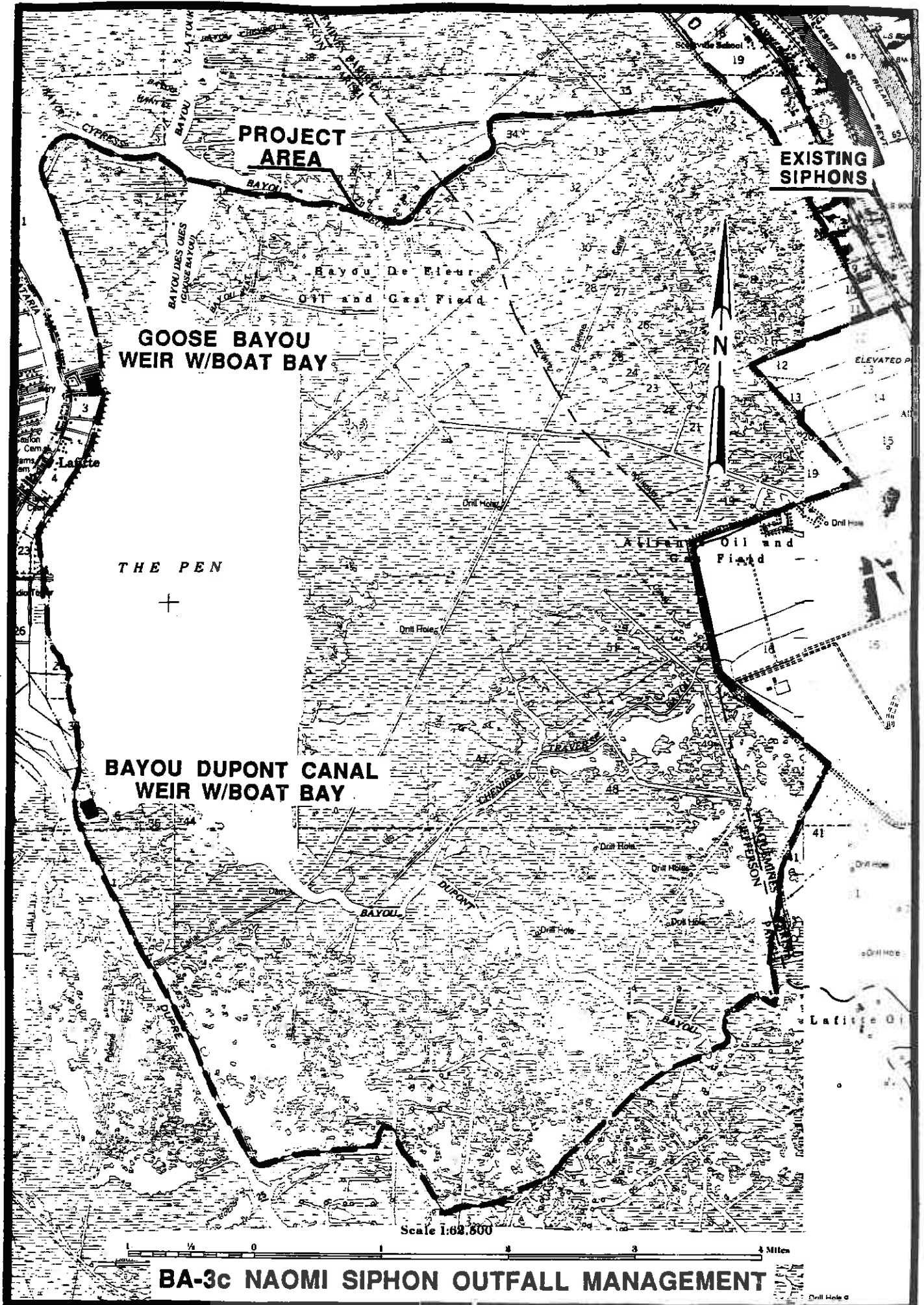
EAST COTE BLANCHE BAY



LEGEND:

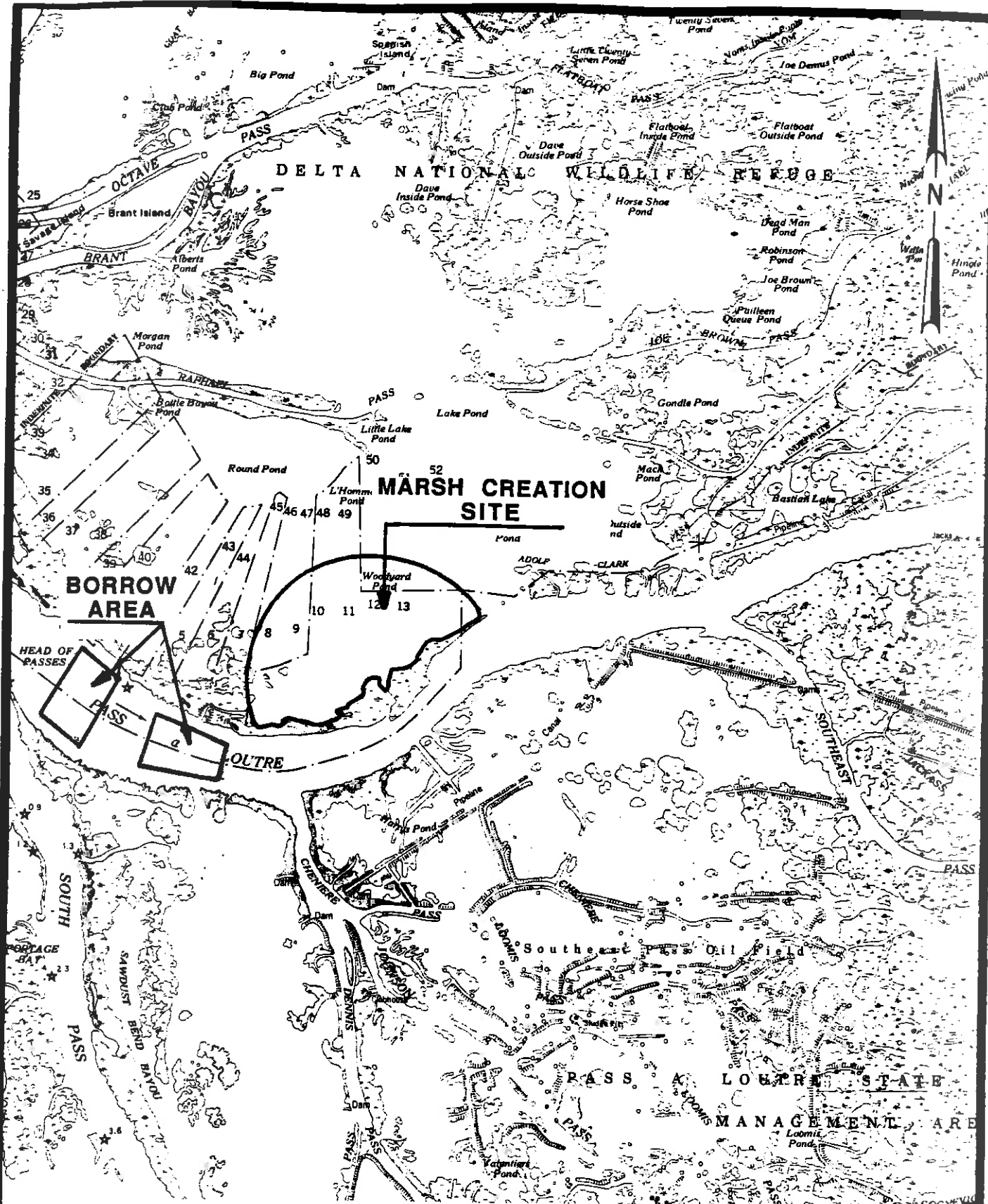
-  1-9 Canals to be plugged (except 3 & 4)
-  Marsh creation w/ dredged material
-  Shoreline protection (crushed stone)
-  Project Area

TV-5/7 MARSH ISLAND HYDROLOGIC RESTORATION AND MARSH CREATION

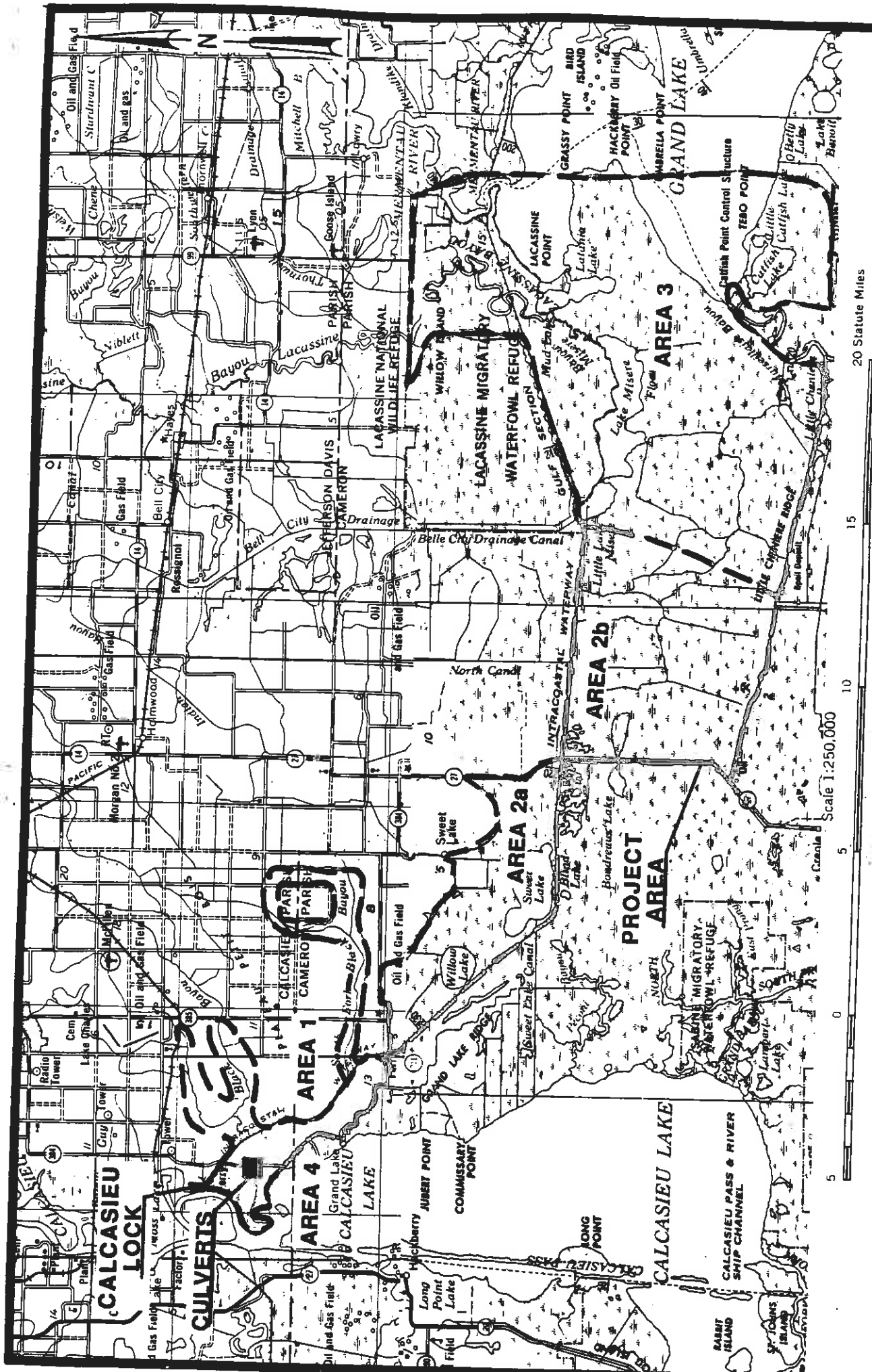


**BA-3c NAOMI SIPHON OUTFALL MANAGEMENT**

Drill Hole 6

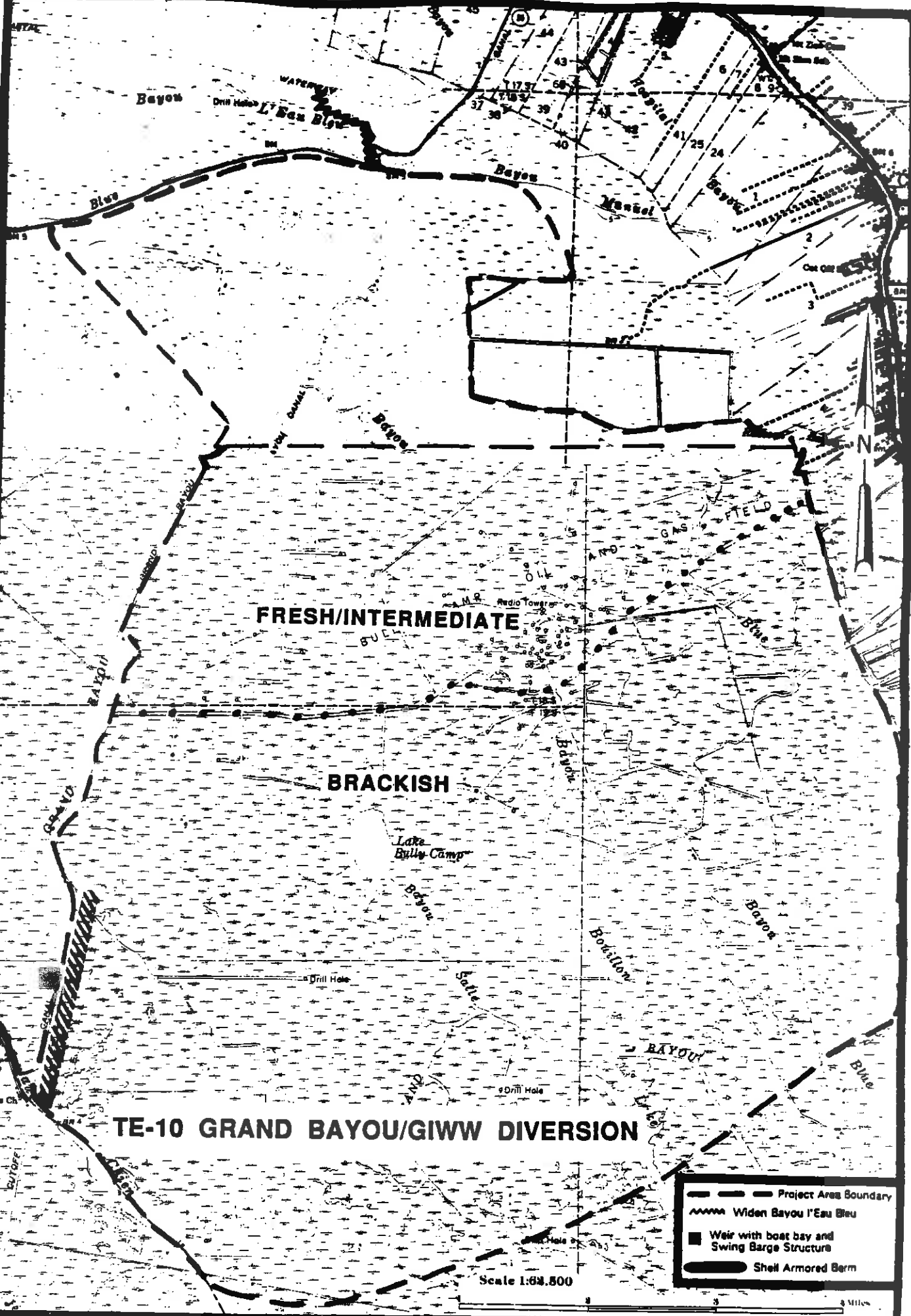


**PMR-8 PASS A LOUÏRE SEDIMENT MINING**



**CS-16 BLACK BAYOU CULVERTS HYDROLOGIC RESTORATION**









FRESH/INTERMEDIATE

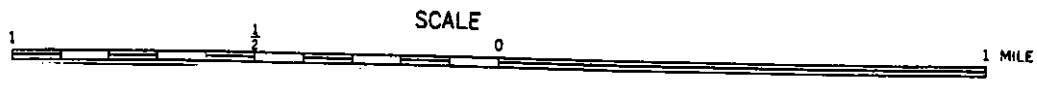
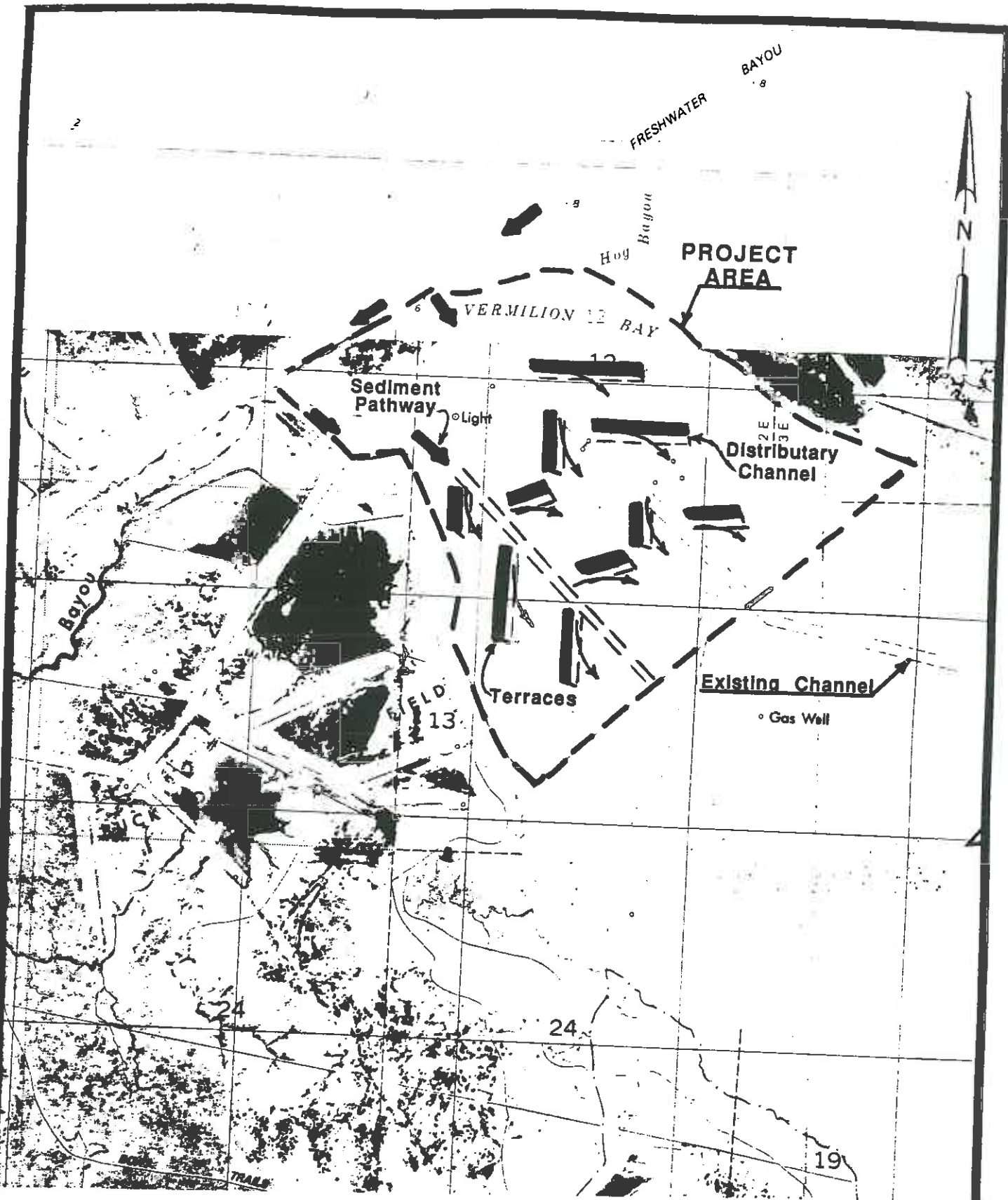
BRACKISH

**TE-10 GRAND BAYOU/GIWW DIVERSION**

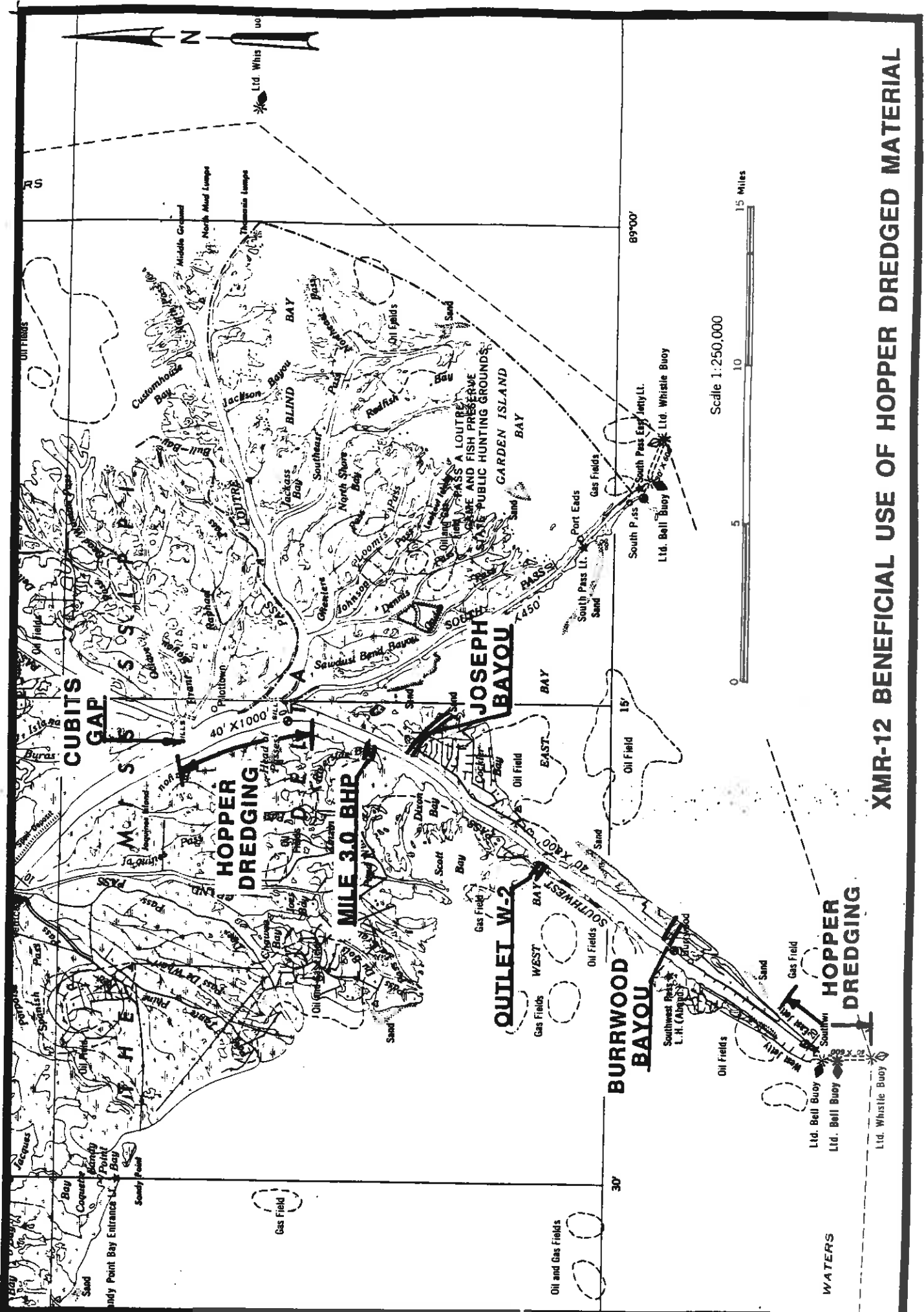
-  Project Area Boundary
-  Widen Bayou l'Eau Bleu
-  Weir with boat bay and Swing Barge Structure
-  Shell Armored Berm

Scale 1:62,500

4 Miles

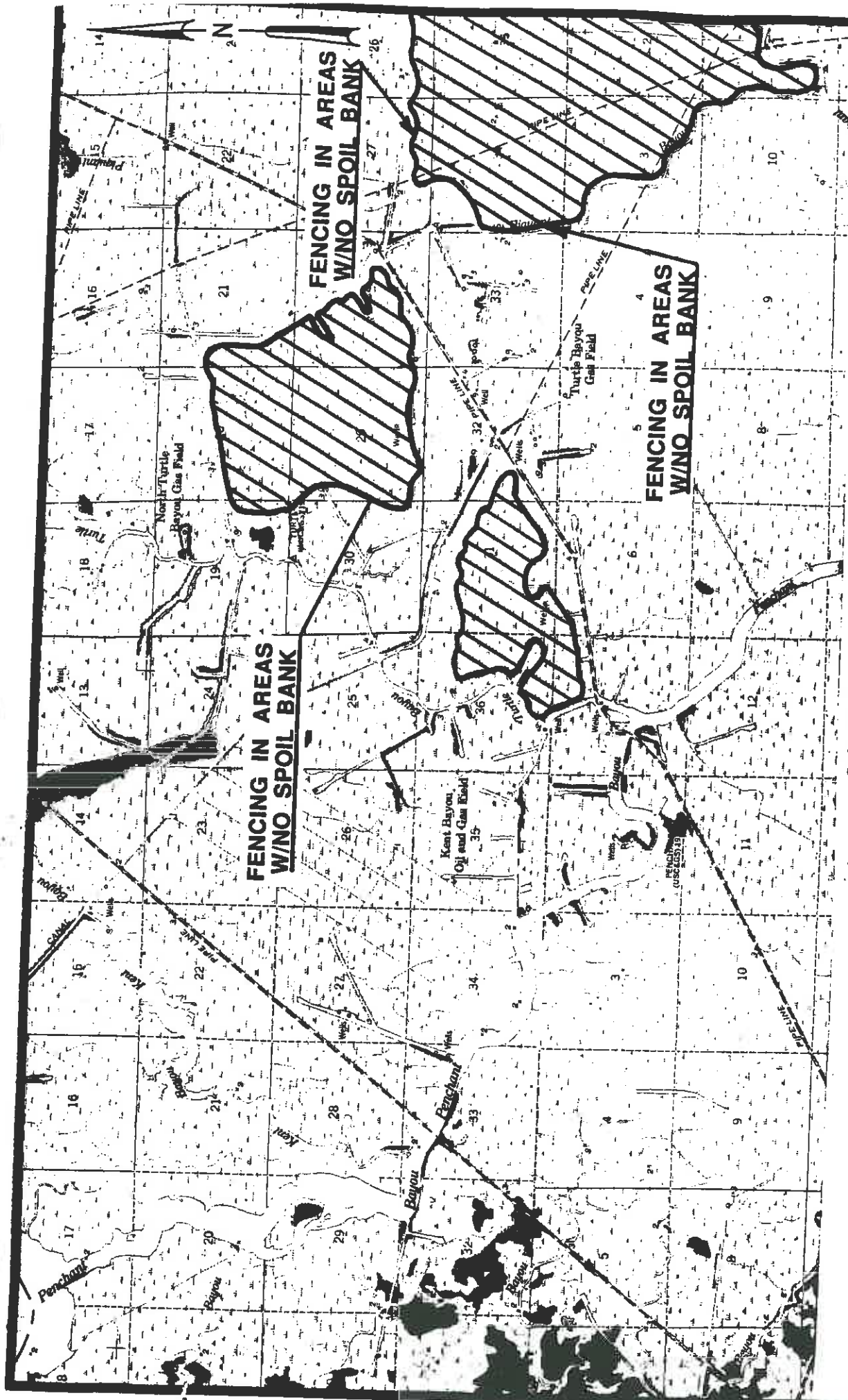


PTV-19 LITTLE VERMILION BAY SEDIMENT TRAPPING



**XMR-12 BENEFICIAL USE OF HOPPER DREDGED MATERIAL**

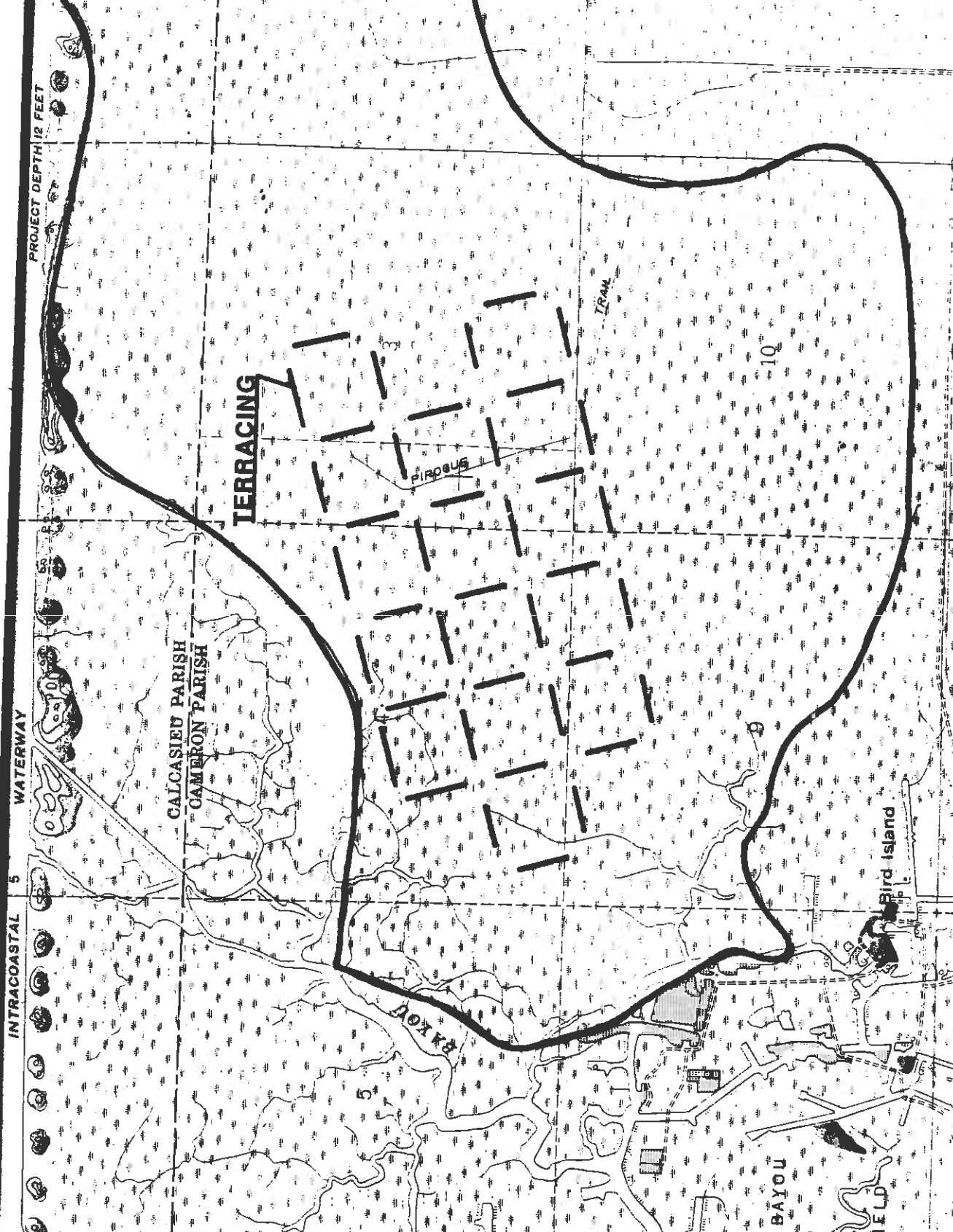




Scale 1:62,500

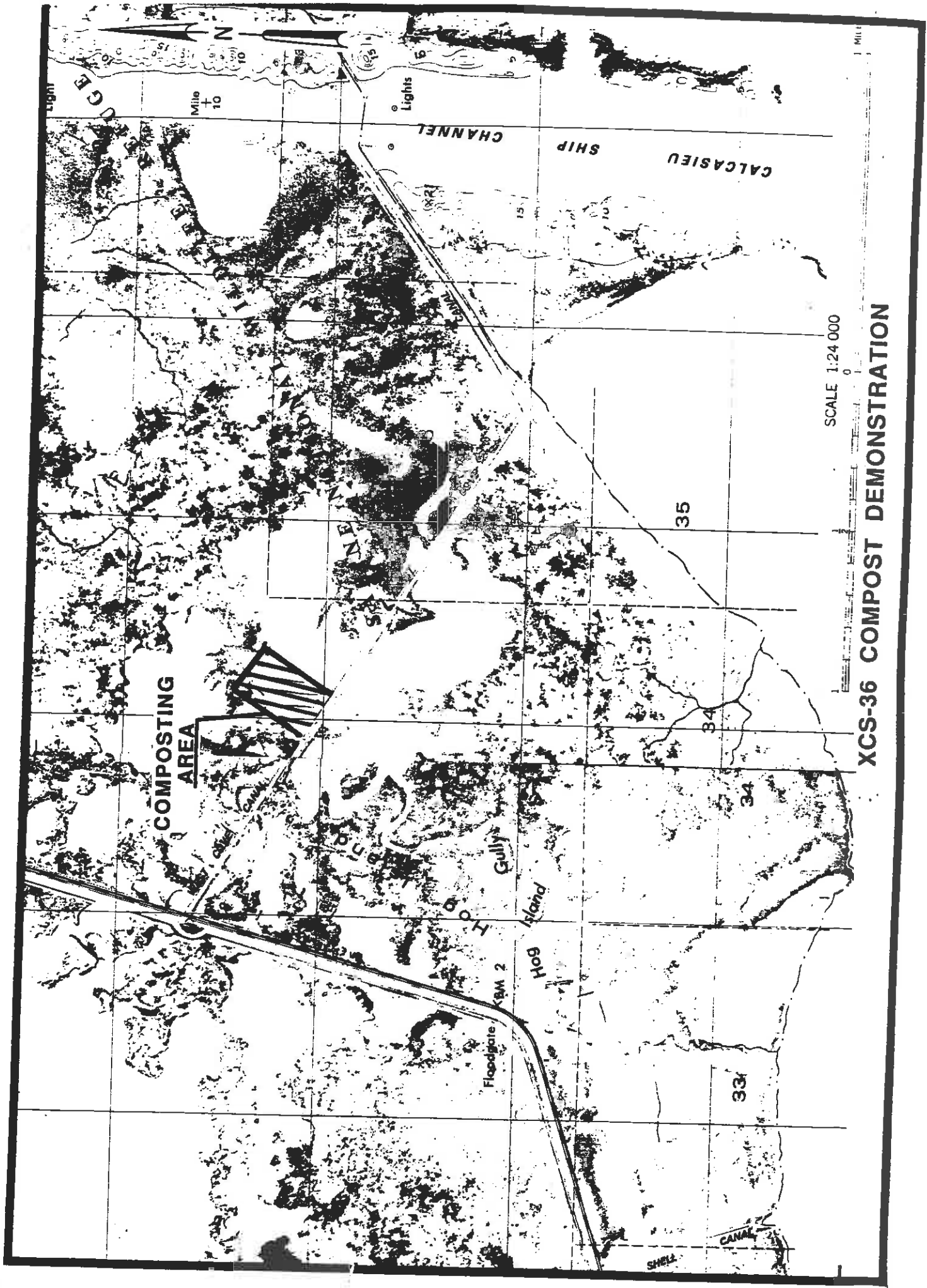


**XTE-54b FLOTANT MARSH FENCING DEMONSTRATION PROTECTION**



SCALE 1:24 000

**PLOWED TERRACE DEMONSTRATION**



**XCS-36 COMPOST DEMONSTRATION**

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

**TASK FORCE MEETING  
16 December 1994**

**NEGOTIATION OF THE LUMCON CONTRACT**

**Mrs. Sue Hawes will brief the Task Force on the status of the contract for academic scientists.**

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

16 December 1994

**CARRYOVER FROM PRIOR FISCAL YEARS**

Mr. Stan Green will brief the Task Force on the status of unexpended CWPPRA funds from prior fiscal years. A table depicting funds currently shown as carryover is enclosed, along with a table listing funds required during fiscal year 1995 for NEPA compliance on approved priority project list projects (carryover funds were dedicated to funding FY 95 NEPA compliance costs by action of the Technical Committee on 16 September 1994).

15 Dec 94 Available CWPPRA Funds  
(Obligations not Billed)

	(Amounts in \$)			Total
	FY 92	FY 93	FY 94	
EPA				0
Comm				
NMFS	144,831	80,883		225,714 *
NOS	17,545	2,812		20,357
Int				
NPS				0
USFWS				0
USGS Reston				0
Agr				0
La				
Gov's Ofc	31,782	53,400		85,182 ←
DNR				0
USACE	334,623	-9,000		325,623
FY 94 Unbudgeted			92,907	92,907
<b>Total</b>	<b>496,999</b>	<b>74,695</b>	<b>92,907</b>	<b>664,601</b>

*Obligated  
acc'd. to  
Jim Stone*

\* Deobligations of these funds (via MIPR's) were processed on 6 Dec 94.

664,601  
95,182  

---

579,519

NEPA Funding Requirement  
FY 95

	Amount (\$)
USACE	215,400
EPA	
FWS	16,100
NMFS	80,000
NRCS	228,900
LA	
<b>Total</b>	<b>540,400</b>

*Future Maint.  
Support Costs*

*Need \$100,000*

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

16 December 1994

FUNDING OF MONITORING SUPPORT COSTS  
FOR APPROVED PROJECTS

Mr. Green will brief the Task Force on the request by the National Biological Survey's Southern Science Center for funding of monitoring support costs for approved priority project list projects. A letter from Dr. Jimmy Johnston of the SSC is enclosed.

*Funding moved  
that \$140 K w.  
shortfall in  
monit. plan dev.  
costs be taken  
from const. Funding*



# United States Department of the Interior

## NATIONAL BIOLOGICAL SURVEY

Southern Science Center  
700 Cajundome Boulevard  
Lafayette, Louisiana 70506

December 5, 1994

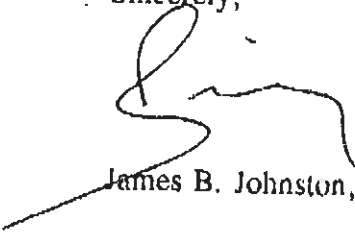
Mr. Robert Schroeder, Chairman  
CWPPRA Technical Evaluation Committee  
U.S. Army Corps of Engineers  
P.O. Box 60267  
New Orleans, LA 70160-0267

Dear Mr. Schroeder:

Attached is the National Biological Survey, Southern Science Center's monitoring support costs for the first three years of CWPPRA projects, as requested by the Task Force at their September 22, 1994 meeting. This includes project management costs for staff, maintenance, travel and overhead of \$106,295 and costs for the Technical Advisory Group consulting ecologist of \$32,943.18. Dave Fruge reviewed and approved these costs when they were presented to the Task Force in September. Please forward this request to the Task Force for approval using surplus planning funds.

Thank you for your assistance on this effort and please call me or Ms. Fuller at (318) 266-8556, if you have any questions regarding this matter.

Sincerely,

  
James B. Johnston, Ph.D.

### Attachment

cc: D. Elguzabal  
D. Fruge  
D. Fuller  
S. Green  
G. Steyer



## NBS/SSC CWPPRA MONITORING

12/04/9402:18 PM

Project Number	Project Name	Administrative Costs	Consulting Ecologist
PO - 17	Bayou Labranche		
ME - 18	Dewitt-Rollover VP		\$502.84
C/S - 19	West Hackberry VP	\$3,037.00	\$502.84
TE-18	Timbalier Island	\$3,037.00	\$502.84
C/S - 17	Cameron Creole	\$3,037.00	\$1,097.10
ME - 19	Cameron Prairie		\$1,112.34
C/S - 18	Sabine Refuge		\$1,112.34
TE-20	Eastern Isles Dernieres		\$1,112.34
TV - 09	Boston Canal		\$1,097.10
C/S - 20	East Mud Lake	\$3,037.00	\$1,097.10
TV/03	Vermilion River	\$3,037.00	\$1,706.60
TE - 22	Point Au Fer		\$485.94
ME - 12	SW Shore White Lake	\$3,037.00	\$809.90
BA - 02	GIWW to Clovelly	\$3,037.00	\$809.90
PAT -02	Atchafalaya Sediment*		\$1,706.60
PO - 20	Red Mud	\$3,037.00	\$0.00
BA - 20	Jonathon Davis	\$3,037.00	\$1,133.87
C/S - 23	Replace Hog Island	\$3,037.00	\$0.00
BA -19	Barataria Bay Waterway	\$3,037.00	\$971.88
TE -17	Falgout Canal		\$728.91
TE - 26	Lake Chapeau*	\$3,037.00	\$647.92
BA -04c	West Point-a-la Hache	\$3,037.00	\$1,706.60
PO - 06	Fritchie Marsh	\$3,037.00	\$0.00
TE - 19	Lower Bayou Lacache*	\$3,037.00	\$1,133.87
T/V -04	Cote Blanche Hydrologic	\$3,037.00	\$1,706.60
C/S -09	Brown Lake	\$3,037.00	\$0.00
TE - 13	West Belle Pass	\$3,037.00	\$1,133.87
BA -15	Lake Salvador Shore Protection	\$3,037.00	\$728.91
AT-03/XAT-07	Big Island Mining	\$3,037.00	\$0.00
PO - 10	Bayou Sauvage Phase 1	\$3,037.00	\$0.00
PO - 16	Bayou Sauvage Phase 2		\$0.00
MR-06/XMR-10	Channel Armor Gap Crevasse	\$3,037.00	\$0.00
BA - 21/XBA-65a	B.Perot/B. Rigolets Marsh Rest.	\$3,037.00	\$809.90
MR - 03	West Bay Sediment Diversion	\$3,037.00	\$0.00
MR - 08/PMR-09a	Pass-a-Loure Crevasse		\$1,133.87
TE- 27/PTE 15b-1	Whiskey Island Restoration	\$3,037.00	\$0.00
TE-25/XTE 87	East Timbalier Island Restoration	\$3,037.00	\$728.91
BS - 03a	Caernarvon Diversion Outfall	\$3,037.00	\$728.91
ME - 04/XME 21	Freshwater Bayou	\$3,037.00	\$0.00
PO - 09a	Violet Freshwater Distribution (no pumps)	\$3,037.00	\$971.88
PTE - 26 b	Brady Canal Hydrologic Restoration	\$3,037.00	\$0.00
C/S - 22	Clear Marais	\$3,037.00	\$971.88
XPO - 71	MRGO Back Dike Marsh Protection	\$3,037.00	\$647.92
PC/S -25	Highway 384	\$3,037.00	\$1,133.87
BS-04a	White's Ditch	\$3,037.00	\$1,133.87
		\$3,037.00	\$1,133.87
TOTALS		\$106,295.00	\$32,943.08

↑ '94  
↓ '95

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

**TASK FORCE MEETING  
16 December 1994**

**STATUS OF DEVELOPMENT OF THE STATE CONSERVATION PLAN**

Mr. Norm Thomas will brief the Task Force on the status of the Conservation Plan authorized by section 304 of the CWPPRA. An outline for development of the plan is enclosed.

**Outline for Louisiana's  
Coastal Wetlands Conservation Plan  
Development Process**

**prepared by the  
Louisiana Department of Natural Resources  
Office of Coastal Restoration and Management  
October, 1994**

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**WHY DEVELOP A COASTAL WETLANDS CONSERVATION PLAN  
(CWCP)?**

- **A CWCP will help the State offset developmental wetland losses.**
- **Successful implementation of a CWCP will reduce the State's cost-share on Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) projects from 25% to 15%. This could save the State \$4 million per year.**
- **Honor the intent of Congress as expressed in CWPPRA.**
- **Enhance the likelihood of subsequent CWPPRA authorizations.**
- **Demonstrate good faith effort by DNR to the State Legislature and the public to conserve wetlands and state funds.**
- **Assist in establishing an effective mitigation program under Act 1040 (1990).**
- **Enhance DNR's GIS data base, public outreach, and other programs such as beneficial use of dredged materials.**

# WHAT IS A COASTAL WETLANDS CONSERVATION PLAN?

## THE CWCP GOAL

Congress indicated in CWPPRA that the CWCP is to achieve no net loss of coastal wetlands due to development. Wetland gains resulting from CWPPRA restoration projects can not be used in computing such a no net loss figure.

## CWCP ELEMENTS

Congress established the components of the CWCP in CWPPRA:

- 1) identification of the coastal area involved;
- 2) designation of a single State implementing agency;
- 3) identification of measures to achieve a goal of no net loss of wetlands as a result of development activities, exclusive of any wetlands gains achieved through implementation of the preceding section of this title;
- 4) development of a system to account for gains or losses of coastal wetlands;
- 5) assurances of adequate personnel, funding, and authority to implement the CWCP;
- 6) incorporation of public education concerning the necessity to conserve wetlands;
- 7) encouragement of technology for development activities that will result in negligible impact on wetlands; and
- 8) encouragement and assistance to private owners of wetlands in order to continue to maintain those lands as wetlands.

## DRAFT VISION STATEMENT

"The elimination of net loss of Louisiana's coastal wetlands, attributable to development, through a process that is information based, enhances existing wetlands conservation initiatives, is guided by stakeholder input, balances environmental gains with economic considerations, and provides for frequent two-way communication with affected stakeholders and the general public."

## WHO IS INVOLVED?

### PARTNERS

- **Federal Agency Members of the CWPPRA Task Force**  
EPA, USFWS, and the USCOE as specified under CWPPRA, and Department of Commerce and Department of Agriculture.
- **State Coastal Wetlands Conservation and Restoration Authority**
- **The State's Wetlands Advisory Task Force**  
Created by Executive Order No. EWE 94-6 to assist the state in the development of a State-wide Wetlands Conservation Plan. Composed of 27 diverse representatives.
- **State Natural Resource Committees, the Legislature, and the Governor of Louisiana**

## HOW IS THE CWCP TO BE DEVELOPED?

### WORKING DEFINITION OF "NO NET DEVELOPMENTAL LOSS"

A working definition of no net loss of coastal wetlands due to development activities must be established. This need not be officially endorsed by federal agencies, but acceptable to them in terms of a grant "deliverable." This would include a clear explanation of what is to be included in "developmental activities."

### DETERMINATION OF DEVELOPMENTAL WETLAND LOSS PATTERNS

- A. Determine the current developmental coastal wetland loss rate.
- B. Conduct GIS analysis of recent developmental wetland losses and compare with socio-economic and other spatial data.
- C. Establish a "net developmental wetland change formula" which will determine the "net developmental wetland deficit (or surplus)."

### EVALUATION OF WETLANDS GAINS ALTERNATIVES

- The State's Coastal Wetlands Restoration Program (Act 6),
- the State's Coastal Zone Management Program,
- Section 10 and 404 regulatory procedures,

- the State's Mitigation Program,
- the State's Consistency Determination Program,
- the State's Beneficial Use of Dredged Materials Program,
- the Barataria-Terrebonne National Estuary Program,
- the State's Non-Coastal Wetlands Conservation Plan,
- the State's Scenic Streams Program,
- the State's Clean Water Certification Program,
- and SCS's Wetland Reserve Program.

### CWCP DRAFT REVIEW AND FINALIZATION

Based on review of developmental wetland losses in the coastal zone, possible means of offsetting these losses, and other pertinent information, a draft CWCP will be prepared and submitted to designated partners and undergo public review.

After responses to reviewers' comments are made, DNR, U.S. Fish and Wildlife Service, the Environmental Protection Agency, and the U.S. Army Corps of Engineers will develop a final CWCP.

The Office of Coastal Restoration and Management (OCRM) will initiate the Administrative Procedures Act process to formally adopt the CWCP upon approval of the DNR Secretary.

### CWCP IMPLEMENTATION

Upon successful promulgation of the CWCP and identification of adequate funding, temporary staff would be phased out and permanent civil service employees would be hired and trained in order to implement the CWCP pending approval by the state legislature of the additional positions. The CWCP would then be in the implementation phase.

## WHEN WOULD THE CWCP MILESTONES OCCUR?

### Start Up

State negotiates CWCP development process with the EPA, USFWS, COE:

- (a) input solicited from State Wetlands Authority, State Wetlands Advisory Task Force, And the CWPPRA Task Force,
- (b) working definition of "no net Loss due to development activities,"
- (c) acquisition and analysis of developmental coastal wetland loss data in order to establish target goal,
- (d) establishment of wetland accounting procedures,
- (e) determination of "coastal wetlands,"
- (f) determine informational, budget and personnel needs,
- (g) draft CWCP proposal revised, budget finalized,
- (h) MOA among USFWS, EPA, USCOE and DNR,
- (i) budget for CWCP submitted for approval, and
- (j) grant proposal submitted to EPA.

### Year One

- 1) OCRM would develop RFP's soliciting assistance in the CWCP development process:
  - (a) monitoring of the state's long-term beneficial use of dredged material program,
  - (b) provide the necessary GIS data handling capabilities for reliable in-house developmental wetland loss tracking, and coordination with proposed restoration projects and oyster leasing.
  - (c) provision of GIS data of the demographics of wetland use; local economies, per capita income, occupational patterns and other social and economic variables influencing developmental wetland use patterns.
  - (d) provide economic evaluations of various wetland gain alternatives and developmental loss reductions.
  - (e) development and implementation of public outreach and public education component of the CWCP.
  - (f) development of policies to encourage innovative technologies to reduce impacts to wetlands due to developmental activities.
  - (g) provide conflict resolution and meeting facilitation services as needed.
  - (h) assist and encourage owners of private wetlands to maintain their wetlands as wetlands.
  - (i) investigation of secondary and cumulative impacts of current developmental activities controlled through the State's regulatory authority.

- 2) OCRM would tie in the state's Section 404 assumption determinations, existing wetlands regulatory responsibilities of the Coastal Management Division, and review and identify all measures that need to be incorporated into the CWCP process in order to achieve a goal of no net loss of wetlands as a result of development activities.
- 3) Determination of the number of personnel needed by OCRM for CWCP development. These would be hired on one-year job appointment basis or through interagency personnel agreements.
- 4) OCRM would provide quarterly reports throughout the CWCP development process.

#### Year Two

- 1) OCRM would work closely with the contractors identified above and the appropriate state and federal agency personnel in order to complete all of the above tasks. It is anticipated that the deliverables for all contracts let in year one would be finalized a few months prior to the end of year two.
- 2) OCRM would develop draft CWCP upon receipt of deliverables listed above. This would involve letting a contract that would develop the necessary legal instruments for the initiation of the CWCP.

#### Year Three

- 1) OCRM would provide 50% review. Distribution of draft CWCP to the CWPPRA Planning and Evaluation, Technical Committee, and Task Force; the State Coastal Wetlands Conservation and Restoration Authority; the State Wetlands Advisory Task Force; the House and Senate Natural Resources Committees; and the public via three public hearings.

The draft CWCP would be revised upon receipt of above comments.

- 2) Budget, staff and equipment requirements for CWCP implementation would be determined.
- 3) OCRM would enter final negotiations with EPA, USCOE, and USFWS concerning the CWCP.
- 4) OCRM would initiate the Administrative Procedures Act process upon approval of the DNR Secretary.



Year Four

- 1) Upon successful promulgation of the CWCP and identification of adequate funding and hiring authority, temporary staff would be phased out and permanent civil service employees would be hired and trained in order to implement the CWCP.
- 2) The CWCP would be implemented.

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COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING  
16 December 1994

REPORT ON THE STATUS OF PRIORITY PROJECT LIST PROJECTS

*EPA -  
Trying to  
Secure Row -  
Looking good though = Norm  
Barin Del. Rest. = Thomas  
Proj.*

Representatives of the Lead Agencies will brief the Task Force on the design and construction status of projects on the 1st, 2nd, and 3rd Priority Project Lists. The current status report on the projects is enclosed.

# COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT PROJECT STATUS SUMMARY REPORT

30 November 1994

Summary report on the status of all CWPPRA projects prepared for the Louisiana Coastal Wetlands Conservation and Restoration Task Force.  
Report sorted by Priority List, Lead Agency and Project Name.  
Information based on data furnished by the Lead Agencies.

Prepared by:  
Programs & Project Management Division  
U.S. Army Corps of Engineers  
New Orleans District  
P.O. Box 60267  
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COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT  
Project Status Summary Report - Priority List 1

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cont Award	End Const	Baselin	ESTIMATES Current	Pcat	Actual Expenditures	Remarks/Issues/Status
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Lead Agency: DEPT. OF THE ARMY, CORPS OF ENGINEERS

Barataria Bay Marsh Creation	BARA	JEFF	445	11/30/1994	06/30/1995	11/30/1995	\$1,625,258	\$1,635,000	100.6	\$36,845	Maintenance dredging was originally scheduled for summer of 1994, but was postponed to spring of 1995 because of a shortage of FY 94 Operations & Maintenance (O&M) funds. A long delay in receiving rights-of-entry for surveys, however, has pushed the construction schedule to summer of 1995. The project is being modified, with the concurrence of the Local Sponsor, to include work at Queen Bess Island in addition to several CWPPRA sites. CWPPRA funds will also be used to "clear" and acquire easements on all proposed CWPPRA sites for future maintenance dredging use. CWPPRA sites included in the first contract do not impact oyster leases; however, the remaining CWPPRA sites to be included in future maintenance dredging cycles do impact oyster leases and, as stated in the original authorization, full implementation of the project depends upon the clearing of these oyster leases.
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Bayou Labranche Wetlands Restoration	PONT	STCHA	296	04/17/1993	01/06/1994	04/07/1994	\$4,327,300	\$3,710,000	85.7	\$3,304,490	Contract awarded to T. L. James Co. (Dredge "Tom James") for dredging approximately 2,500,000 cy of Lake Pontchartrain sediments and placing in marsh creation area. Contract final inspection was performed on 04/07/94. Site visit by Task Force took place on 04/13/94. The area was seeded by LDNR on 06/25/94.
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CELMIN-PP  
Report TASKPRC

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
**Project Status Summary Report - Priority List 1**

Date: 11/30/1994  
Page: 3

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cont Award	End Const	***** ESTIMATES Current	Pct	Actual Expenditures	Remarks/Issues/Status
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Vermilion River Cutoff Bank Protection	TECHE	VERMI	65	04/17/1993	A	06/15/1995	\$1,522,637	114.2	\$300,184	The project was modified by moving the dike from the west to the east bank of the Cutoff to better protect the wetlands. The need for the sediment retention fence on the west bank is still undetermined.
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The Task Force approved a revised project estimate of \$2,500,000; however current estimate is less.

West Bay Sediment Diversion	DELTA	PLAQ	9,831	09/30/1994	*	12/15/1995	\$8,517,066	237.61	\$413,820	The major portion of the cost increase is for dredging the anchorage as a result of induced shoaling caused by the diversion of flow from the river. A model study of the river and diversion point was completed, providing a basis for estimating the amount of material to be dredged. The State of Louisiana is currently looking into the issue of State-owned waterbottom vs. private ownership, both before and after project construction. The State has requested that we do not proceed with easement acquisition through condemnation until this issue is resolved.
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The current estimate includes \$25,000 for environmental clearance, \$65,000 for WES model study, \$2,500,000 for pipeline relocations, \$9,000,000 for dredging of induced shoaling in the anchorage area, and costs for Project Management and Local Sponsor activities, all of which were not included in the original estimate.

CELMN-PP  
Report TASKFRC

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
Project Status Summary Report - Priority List 1

Date: 11/30/1994  
Page: 4

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cont Award	ESTIMATES Current	Percent	Actual Expenditures	Remarks/Issues/Status
Total Dept. Of The Army, Corps Of Engineers									
4						\$15,992,261	170.8	\$4,055,339	
2						\$27,327,700	170.8	\$4,055,339	
1									
1									
0									

- 4 Project(s)
- 2 Cost Sharing Agreements Executed
- 1 Construction Started
- 1 Construction Completed
- 0 Project(s) Deferred

**Lead Agency: ENVIRONMENTAL PROTECTION AGENCY, REGION VI**

Eastern Isles Dernieres  
Restoration (Phase 0) TERRE TERRE 105 04/17/1993 A / / • 02/01/1996

\$0 This phase of the Isle Dernieres restoration project is being combined with Isles Dernieres, Phase 1 (Trinity Island), priority list 2 project. All actual expenditures are shown with that project.

\$6,345,468 \$7,606,288 119.8

Total Environmental Protection Agency, Region Vi

\$6,345,468 \$7,606,288 119.8 \$0

- 1 Project(s)
- 1 Cost Sharing Agreements Executed
- 0 Construction Started
- 0 Construction Completed
- 0 Project(s) Deferred

**Lead Agency: DEPT. OF THE INTERIOR, FISH & WILDLIFE SERVICE**

Bayou Sauvage Refuge  
Hydrologic Restoration PONT ORL 3,800 04/17/1993 A 05/31/1995 10/30/1995

\$1,104,708 \$1,465,000 132.61 \$37,606  
Project has 404 approval, and construction approval was granted on 3 July 1994 by the Task Force. A request for the establishment of an escrow account was made on 29 August 1994. The Corps contract for a hurricane protection levee is very near completion. Design is essentially complete.



CELMN-PP  
Report TASKFR

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
**Project Status Summary Report - Priority List 1**

Date: 11/30/1994  
Page: 6

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cont Award	ESTIMATES Current	Percent	Actual Expenditures	Remarks/Issues/Status
Fourchon Hydrologic Restoration (Project deferred)	TERRE	LAFOU	2,400	//	//	\$252,035	103.9	\$6,999	In a meeting on October 7, 1993, Port Fourchon conveyed to NMFS personnel that any additional work in the project area could be conducted by the Port and they did not wish to see the project pursued because they question its benefits and are concerned that undesired Government/general public involvement would result after implementation.
Lower Bayou LaCache Hydrologic Restoration	TERRE	TERRE	4,200	04/17/1993	A 11/30/1995	\$1,253,738	127.71	\$769,844	NMFS has recommended to the Task Force that the project be deauthorized and the Task Force concurred at the July 14, 1994 meeting.

Lead Agency: DEPT. OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE

Total Dept. Of Commerce, National Marine Fisheries Service

\$1,505,773      \$1,862,999      123.7      \$776,843

- 2 Project(s)
- 1 Cost Sharing Agreements Executed
- 0 Construction Started
- 0 Construction Completed
- 1 Project(s) Deferred

CELMN-PP  
Report TASKFRC

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
Project Status Summary Report - Priority List 1

Date: 11/30/1994  
Page: 7

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES	Cont Award	End Const	ESTIMATES	Current	Pct	Actual Expenditures	Remarks/Issues/Status
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**Lead Agency: DEPT. OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE**

- GIWW To Clovelly Wetland Restoration	BARA	LAFOU	60,000	04/17/1993	A	02/28/1995	03/31/1996	\$8,141,512	\$8,152,000	100.1	\$493,546	The project has been divided into a number of smaller contracts in order to expedite implementation.
Vegetative Plantings - Dewitt-Rollover	CALC	VERMI	331	04/17/1993	A	07/11/1994	08/26/1994	\$172,501	\$199,616	115.7	\$23,249	Sub-project of the Vegetative Plantings project.
Vegetative Plantings - Falgout Canal	TERRE	TERRE	53	04/17/1993	A	04/30/1995	11/30/1995	\$126,060	\$145,400	115.3	\$23,249	Sub-project of the Vegetative Plantings project.
Vegetative Plantings - Timbalier Island	TERRE	TERRE	497	04/17/1993	A	02/15/1995	08/30/1995	\$354,086	\$411,600	116.2	\$23,359	Sub-project of the Vegetative Plantings project.
Vegetative Plantings - West Hackberry	CALC	CAMER	96	04/17/1993	A	04/15/1993	03/30/1994	\$195,444	\$226,400	115.8	\$99,659	Sub-project of the Vegetative Plantings project.
<b>Total Vegetative Plantings</b>								<b>\$848,091</b>	<b>\$983,016</b>		<b>\$169,516</b>	

Total Dept. Of Agriculture, Natural Resources Conservation Service

\$8,989,603      \$9,135,016      101.6      \$663,062

- 5 Project(s)
- 5 Cost Sharing Agreements Executed
- 2 Construction Started
- 2 Construction Completed
- 0 Project(s) Deferred

CELMN-PP  
Report TASKFRC

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT  
Project Status Summary Report - Priority List 1

Date: 11/30/1994  
Page: 8

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES	Cont Award	End Const	ESTIMATES	Current	Pct	Actual Expenditures	Remarks/Issues/Status
16								Baseline	\$40,394,991	134.8	\$5,753,295	
13												
5												
4												
1												
Total Priority List 1									\$40,394,991	134.8	\$5,753,295	
<b>Total Available Funds</b>												
									Federal Funds		\$28,084,900.00	
									N/F Funds		\$9,361,633.33	
									Total Funds		\$37,446,533.33	

Notes:

- Expenditures based on Corps of Engineers financial data.
- Date codes: A = Actual date \* = Behind scheduled
- Percent codes: 1 = 125% of baseline estimate exceeded

CELMR-PP  
Report TASKERC

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
**Project Status Summary Report - Priority List 2**

Date: 11/30/1994  
Page: 9

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cost Award	End Const	ESTIMATES Current	Pct	Actual Expenditures	Remarks/Issues/Status
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**Lead Agency: DEPT. OF THE ARMY, CORPS OF ENGINEERS**

Clear Marais Bank Protection	CALC	CALCA	4,637	08/05/1994	A	03/31/1995	\$1,741,311	246.91	\$244,631	The original construction estimate was low based on the proposed plan in that the rock quantity estimate was less than half of the design, and the estimate did not include a floatation channel needed for construction. This accounts for most of the cost increase shown. A Value Engineering study was conducted to explore more cost effective designs for the shoreline protection, but failed to identify a viable alternative that was more cost effective per foot.
West Belle Pass Headland Restoration	TERRE	LAFOU	2,459	12/31/1994		03/31/1995	\$4,854,102	103.4	\$267,698	The current estimate is based on the original rock dike design and costs less than \$90/foot. Design and permitting efforts were accelerated when it appeared that rock from the wax lake Weir removal could be used if other options were not available in time. A CSA was executed on 08/05/94.
						07/31/1995	\$5,020,000			Full implementation of the project depends upon the State of Louisiana not renewing, or otherwise clearing oyster leases in the project area. The LA Dept. of Wildlife and Fisheries has stated that they can not help in clearing the oyster leases and that the Govt. should proceed with any necessary action to obtain rights over the leases anticipated to be impacted. At this point it appears that there is little the Government can do if the State does not enforce the hold harmless clauses contained in all but one of the oyster leases involved.

CELMN-PP  
Report TASKFRC

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
Project Status Summary Report - Priority List 2

Date: 11/30/199  
Page: 11

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cont Award	End Const	ESTIMATES Current	Pcnt	Actual Expenditures	Remarks/Issues/Status
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**Total Dept. Of The Interior, Fish & Wildlife Service**

1 Project(s)  
1 Cost Sharing Agreements Executed  
0 Construction Started  
0 Construction Completed  
0 Project(s) Deferred

\$1,452,036      \$1,462,000      100.6      \$2,935

**Lead Agency: DEPT. OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE**

Atchafalaya Sediment  
Delivery

ATCH    STMRY    4,100    08/01/1994    \*    08/01/1995    07/31/1996

\$907,810      \$872,600      96.1      \$4,123

Big Island Mining  
(Increment 1)

ATCH    STMRY    500    08/01/1994    \*    08/01/1995    07/31/1996

\$4,136,057      \$3,939,201      95.2      \$3,323

Point Au Fer

TERRE    TERRE    3,500    01/01/1994    A    10/30/1994    \*    04/30/1995

\$1,069,588      \$1,002,140      93.6      \$717,093

**Total Dept. Of Commerce, National Marine Fisheries Service**

3 Project(s)  
1 Cost Sharing Agreements Executed  
0 Construction Started  
0 Construction Completed  
0 Project(s) Deferred

\$6,113,455      \$5,813,941      95.1      \$724,539



CELMN-PP  
Report TASKFR

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT  
Project Status Summary Report - Priority List 2

Date: 11/30/19  
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PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cost Award	ESTIMATES Current	Baseline	Actual Expenditures	Remarks/Issues/Status
Mud Lake	CALC	CAMER	10,054	03/24/1994	A 12/30/1994	\$2,914,000	\$2,903,634	\$60,663	
Vermilion Bay/Boston Canal	TERRE	VERMI	378	03/24/1994	A 09/13/1994	\$1,019,000	\$1,008,634	\$55,033	The structural portion of the project - shoreline protection - is approximately 98% complete and is scheduled for completion by 12/31/94.
<p>Total Dept. Of Agriculture, Natural Resources Conservation Service</p> <p style="text-align: right;">\$19,575,309      \$19,758,000      100.9      \$138,846</p>									
<p>8 Project(s) 4 Cost Sharing Agreements Executed 2 Construction Started 0 Construction Completed 0 Project(s) Deferred</p>									
<p>15 Project(s) 8 Cost Sharing Agreements Executed 2 Construction Started 0 Construction Completed 0 Project(s) Deferred</p>									
<p>Total Priority List 2</p> <p style="text-align: right;">\$40,644,110      \$44,001,467      108.2      \$1,925,430</p>									
<p>Total Available Funds</p> <p style="text-align: right;">Federal Funds      \$28,173,110.00 N/F Funds      \$9,391,036.67 Total Funds      \$37,564,146.67</p>									

Notes:

- Expenditures based on Corps of Engineers financial data.
- Date codes: A = Actual date \* = Behind scheduled
- Percent codes: 1 = 123% of baseline estimate exceeded

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
**Project Status Summary Report - Priority List 3**

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cont Award	ESTIMATES Baseline	ESTIMATES Current	ESTIMATES Fut	Actual Expenditures	Remarks/Issues/Status
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**Lead Agency: DEPT. OF THE ARMY, CORPS OF ENGINEERS**

Channel Armor Gap Crevasse	DELTA	PLAQ	936	06/16/1995	01/25/1996	05/31/1996	\$808,397	\$860,400	106.4	\$3,487	Cost increase is due to additional project management costs, by both Federal and Local Sponsor. Efforts are being investigated to slightly modify the project to exclude a small private ownership due to unclear title. This would avoid condemnation and leave a 100% Federal ownership (Wildlife Management Area), thereby expediting the project schedule. If this is found to be possible, construction could begin as early as April 95.
MRGO Back Dike Marsh Protection	PONT	STBER	755	06/16/1995	01/25/1996	05/31/1996	\$512,199	\$585,700	114.3	\$3,386	A potential pipeline problem is also being investigated.  Cost increase is due to additional project management costs, by both Federal and Local Sponsor. Delays in obtaining Right-of-Entry for surveys have impacted the project schedule. Further, the original schedule was based on the assumption that the Corps had a perpetual easement in the project area and easement acquisition would not be required. Title research indicates that this is not the case and that private ownership titles are unclear, requiring condemnation. This seriously impacts the schedule.
Pass-a-Louire Crevasse	DELTA	PLAQ	1,000	06/16/1995	01/25/1996	05/31/1996	\$2,857,790	\$2,867,900	100.3	\$6,485	Delays in obtaining Right-of-Entry have impacted the schedule. Also, title research indicates unclear title ownership, so condemnation is expected.

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**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
Project Status Summary Report - Priority List 3

Date: 11/30/1999  
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PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES	Cont Award	End Const	ESTIMATES	Current	Pcat	Actual Expenditures	Remarks/Issues/Status
<p align="center">***** SCHEDULES *****</p>												
<p align="center">***** ESTIMATES *****</p>												
								Baseline	\$4,178,386	103.2	\$13,358	

Total Dept. Of The Army, Corps Of Engineers

- 3 Project(s)
- 0 Cost Sharing Agreements Executed
- 0 Construction Started
- 0 Construction Completed
- 0 Project(s) Deferred

**Lead Agency: ENVIRONMENTAL PROTECTION AGENCY, REGION VI**

Red Mud Demo	TERRE	STION	0	11/03/1994	04/01/1995	06/30/1995	\$529,000	\$473,000	89.4	\$0	Kaiser Aluminum will contribute \$123,000 to the project cost. Project cost sharing agreement execution delayed due to disagreement over monitoring needs and costs agreement.
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Whiskey Island Restoration	TERRE	TERRE	657	11/03/1994	12/30/1995	07/30/1996	\$4,844,274	\$4,854,282	100.2	\$0	Cost sharing and cooperative agreements moving forward. Anticipated completion 15 Jan 95. Construction pending on LL&E and LADNR resolution regarding servitude and ownership.
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Total Environmental Protection Agency, Region Vi

- 2 Project(s)
- 0 Cost Sharing Agreements Executed
- 0 Construction Started
- 0 Construction Completed
- 0 Project(s) Deferred

\$5,373,274      \$5,327,282      99.1      \$0

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**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
**Project Status Summary Report - Priority List 3**

Date: 11/30/1999  
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PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cost Award	End Coast	ESTIMATES Current	Percent	Actual Expenditures	Remarks/Issues/Status
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**Lead Agency: DEPT. OF THE INTERIOR, FISH & WILDLIFE SERVICE**

Hog Island	CALC	CAMER	1,405	11/01/1994	06/30/1995	12/31/1995	\$4,581,453	100.2	\$108	Preliminary design meetings have been held. Design is continuing.
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**Total Dept. Of The Interior, Fish & Wildlife Service**

\$4,581,453	\$4,592,000	100.2	\$108
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- 1 Project(s)
- 0 Cost Sharing Agreements Executed
- 0 Construction Started
- 0 Construction Completed
- 0 Project(s) Deferred

**Lead Agency: DEPT. OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE**

Bayou Perot/Bayou Rigolettes Marsh	BARA	JEFF	1,355	03/31/1995	07/31/1995	12/31/1995	\$1,835,046	100.5	\$108	
E. Timbalier Restoration	TERRE	LAFOU	1,986	12/31/1994	04/30/1995	11/30/1995	\$2,046,970	100.4	\$160	
L. Chapeau Marsh Creation & Hydrologic Restoration	TERRE	TERRE	12,000	12/31/1994	03/31/1995	12/31/1995	\$4,149,183	100.2	\$160	
L. Salvador Shore Protection Demo	BARA	STCHA	1,179	03/31/1995	06/01/1995	09/01/1995	\$1,444,628	100.7	\$108	

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**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
Project Status Summary Report - Priority List 3

Date: 11/30/1  
Page: 1

PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cont Award	End Const	ESTIMATES Current	Pct	Actual Expenditures	Remarks/Issues/Status
Total Dept. Of Commerce, National Marine Fisheries Service 4 Project(s) 0 Cost Sharing Agreements Executed 0 Construction Started 0 Construction Completed 0 Project(s) Deferred										
							\$9,475,827	100.4	\$9,516,000	\$536

**Lead Agency: DEPT. OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE**

Brady Canal	TERRE	TERRE	485	11/30/1994	02/28/1997	08/30/1998	\$4,717,928	100.2	\$4,728,000	\$0
Cameron-Creole Maintenance	CALC	CAMER	12,602	11/30/1994	/ /	* 03/31/2015	\$3,719,926	100.2	\$3,730,000	\$0
Cote Blanche Hydrologic Restoration	TECHE	STMRY	27,304	11/30/1994	08/30/1996	08/30/1997	\$5,173,062	100.1	\$5,183,000	\$0
SW Shore White Lake Demo	MERM	VERMI	16	11/30/1994	02/28/1995	05/31/1995	\$126,060	107.8	\$136,000	\$0
Violet Freshwater Distribution	PONT	STBER	17,980	11/30/1994	02/28/1998	11/30/1998	\$1,821,438	100.5	\$1,831,000	\$108
West Pointe-a-Ja-Hache Outfall Management	BARA	PLAQ	17,000	11/30/1994	05/31/1997	11/30/1997	\$881,149	101.1	\$891,000	\$0

This project provides for maintenance on an as-needed basis, therefore, a definite design completion start date cannot be set.

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Report TASKFRC

**COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT**  
**Project Status Summary Report - Priority List 3**

Date: 11/30/1  
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PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES		ESTIMATES		Actual Expenditures	Remarks/Issues/Status
					Cont Award	End Const	Baseline	Current		
White's Ditch Outfall Management	BRET	PLAQ	562	11/30/1994	05/31/1998	11/30/1998	\$756,134	\$766,000	101.3	\$0
<b>Total Dept. Of Agriculture, Natural Resources Conservation Service</b>							\$17,195,697	\$17,265,000	100.4	\$108
<p>7 Project(s)            0 Cost Sharing Agreements Executed            0 Construction Started            0 Construction Completed            0 Project(s) Deferred</p>										
<b>Total Priority List 3</b>							\$40,804,637	\$41,014,282	100.5	\$14,110
<p>17 Project(s)            0 Cost Sharing Agreements Executed            0 Construction Started            0 Construction Completed            0 Project(s) Deferred</p>										
<b>Total Available Funds</b>							Federal Funds	\$29,939,100.00		
							N/F Funds	\$9,979,700.00		
							Total Funds	\$39,918,800.00		

- Notes:
- Expenditures based on Corps of Engineers financial data.
  - Date codes: A = Actual date \* = Behind scheduled
  - Percent codes: 1 = 125% of baseline estimate exceeded

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT  
Project Status Summary Report - Total All Priority Lists

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PROJECT	BASIN	PARISH	ACRES	CSA	SCHEDULES Cost Award	ESTIMATES Current	Actual Expenditures	Remarks/Isued/Status
Total All Projects								\$7,692,835
Total All Projects								\$121,843,738
Total All Projects								\$139,494,052
Total All Projects								114.4

- 48 Project(s)
- 21 Cost Sharing Agreements Executed
- 7 Construction Started
- 4 Construction Completed
- 1 Project(s) Deferred

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

**TASK FORCE MEETING**

**16 December 1994**

**REPORT ON THE PLACEMENT OF SIGNS AT  
CWPPRA PROJECT SITES**

Mr. Dom Elguezabal will report on efforts to place a sign at the site of the LaBranche Wetlands Creation project.



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

**TASK FORCE MEETING  
16 December 1994**

**ADDITIONAL AGENDA ITEMS**

Each Task Force member has the opportunity at this point to propose additional items or issues for the consideration of the Task Force.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

16 December 1994

**DATE AND LOCATION OF THE NEXT TASK FORCE MEETING**

**Recommendation for Task Force Approval:**

DATE: 15 March 1995

TIME: 9:30 a.m.

LOCATION: District Assembly Room  
New Orleans District, U.S. Army Corps of Engineers  
Foot of Prytania Street  
New Orleans, Louisiana

Task Force meetings will ordinarily be scheduled for the third Wednesday of the last month in each quarter of the year.

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

**TASK FORCE MEETING**

**16 December 1994**

**REQUEST FOR WRITTEN QUESTIONS FROM THE PUBLIC**

All Task Force meetings are open to the public. Interested parties may submit a completed "Question Submittal Card" to the Task Force Chairman at this time. Questions and comments will be addressed at the next regularly scheduled Task Force meeting.

5 27 93 11:13 AM SUEBEN

**COASTAL WETLANDS PLANNING, PROTECTION, & RESTORATION ACT**  
(Public Law 101-646, Title III)

**SECTION 303. Priority Louisiana Coastal Wetlands Restoration Projects.**

- Section 303a. Priority Project List.
  - NLT 13 Jan 91, Sec. of the Army (Secretary) will convene a Task Force.
    - Secretary
    - Administrator, EPA
    - Governor, Louisiana
    - Secretary, Interior
    - Secretary, Agriculture
    - Secretary, Commerce
  - NLT 28 Nov 91, Task Force will prepare and transmit to Congress a Priority List of wetland restoration projects based on cost effectiveness and wetland quality.
  - Priority List is revised and submitted annually as part of President's budget.
- Section 303b. Federal and State Project Planning.
  - NLT 28 Nov 93, Task Force will prepare a comprehensive coastal wetlands Restoration Plan for Louisiana.
  - Restoration Plan will consist of a list of wetland projects, ranked by cost effectiveness and wetland quality.
  - Completed Restoration Plan will become Priority List.
  - Secretary will ensure that navigation and flood control projects are consistent with the purpose of the Restoration Plan.
  - Upon submission of the Restoration Plan to Congress, the Task Force will conduct a scientific evaluation of the completed wetland restoration projects every 3 years and report the findings to Congress.

**SECTION 304. Louisiana Coastal Wetlands Conservation Planning.**

- Secretary; Administrator, EPA; and Director, USFWS will:
  - Sign an agreement with the Governor specifying how Louisiana will develop and implement the Conservation Plan.
  - Approve the Conservation Plan.
  - Provide Congress with periodic status reports on Plan implementation.
- NLT 3 years after agreement is signed, Louisiana will develop a Wetland Conservation Plan to achieve no net loss of wetlands resulting from development.

**SECTION 305. National Coastal Wetlands Conservation Grants.**

- Director, USFWS, will make matching grants to any coastal state to implement Wetland Conservation Projects (projects to acquire, restore, manage, and enhance real property interest in coastal lands and waters).
- Cost sharing is 50% Federal / 50% State \*

**SECTION 306. Distribution of Appropriations.**

- 70% of annual appropriations not to exceed (NTE) \$70 million used as follows:
  - NTE \$15 million to fund Task Force completion of Priority List and Restoration Plan -- Secretary disburses funds.
  - NTE \$10 million to fund 75% of Louisiana's cost to complete Conservation Plan -- Administrator disburses funds.
  - Balance to fund wetland restoration projects at 75% Federal/ 25% Louisiana \*\* -- Secretary disburses funds.
- 15% of annual appropriations, NTE \$15 million for Wetland Conservation Grants - Director, USFWS disburses funds.
- 15% of annual appropriations, NTE \$15 million for projects authorized by the North American Wetlands Conservation Act - Secretary, Interior disburses funds.

**SECTION 307. Additional Authority for the Corps of Engineers.**

- Section 307a. Secretary authorized to:
  - Carry out projects to protect, restore, and enhance wetlands and aquatic/coastal ecosystems.
- Section 307b. Secretary authorized and directed to study feasibility of modifying the MR&T to increase flows and sediment to the Atchafalaya River for land building and wetland nourishment.

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  - \* 25% if the state has dedicated trust fund from which principal is not spent.
  - \*\* 15% when Louisiana's Conservation Plan is approved.

activities, where appropriate, that would contribute to the restoration or improvement of one or more fish stocks of the Great Lakes Basin; and

“(2) activities undertaken to accomplish the goals stated in section 2006.

16 USC 941g.

**SEC. 2006. AUTHORIZATION OF APPROPRIATIONS.**

“(a) There are authorized to be appropriated to the Director—

“(1) for conducting a study under section 2005 not more than \$4,000,000 for each of fiscal years 1991 through 1994;

“(2) to establish and operate the Great Lakes Coordination Office under section 2008(a) and Upper Great Lakes Fishery Resources Offices under section 2008(c), not more than \$4,000,000 for each of fiscal years 1991 through 1995; and

“(3) to establish and operate the Lower Great Lakes Fishery Resources Offices under section 2008(b), not more than \$2,000,000 for each of fiscal years 1991 through 1995.

“(b) There are authorized to be appropriated to the Secretary to carry out this Act, not more than \$1,500,000 for each of fiscal years 1991 through 1995.”

Coastal  
Wetlands  
Planning,  
Protection and  
Restoration Act.  
16 USC 3961  
note.

**TITLE III—WETLANDS****SEC. 391. SHORT TITLE.**

This title may be cited as the “Coastal Wetlands Planning, Protection and Restoration Act”.

16 USC 3961.

**SEC. 392. DEFINITIONS.**

As used in this title, the term—

(1) “Secretary” means the Secretary of the Army;

(2) “Administrator” means the Administrator of the Environmental Protection Agency;

(3) “development activities” means any activity, including the discharge of dredged or fill material, which results directly in a more than de minimus change in the hydrologic regime, bottom contour, or the type, distribution or diversity of hydrophytic vegetation, or which impairs the flow, reach, or circulation of surface water within wetlands or other waters;

(4) “State” means the State of Louisiana;

(5) “coastal State” means a State of the United States in, or bordering on, the Atlantic, Pacific, or Arctic Ocean, the Gulf of Mexico, Long Island Sound, or one or more of the Great Lakes; for the purposes of this title, the term also includes Puerto Rico, the Virgin Islands, Guam, the Commonwealth of the Northern Mariana Islands, and the Trust Territories of the Pacific Islands, and American Samoa;

(6) “coastal wetlands restoration project” means any technically feasible activity to create, restore, protect, or enhance coastal wetlands through sediment and freshwater diversion, water management, or other measures that the Task Force finds will significantly contribute to the long-term restoration or protection of the physical, chemical and biological integrity of coastal wetlands in the State of Louisiana, and includes any such activity authorized under this title or under any other provision of law, including, but not limited to, new projects, completion or expansion of existing or on-going projects, individ-

ual phases, portions, or components of projects and operation, maintenance and rehabilitation of completed projects; the primary purpose of a "coastal wetlands restoration project" shall not be to provide navigation, irrigation or flood control benefits;

(7) "coastal wetlands conservation project" means—

(A) the obtaining of a real property interest in coastal lands or waters, if the obtaining of such interest is subject to terms and conditions that will ensure that the real property will be administered for the long-term conservation of such lands and waters and the hydrology, water quality and fish and wildlife dependent thereon; and

(B) the restoration, management, or enhancement of coastal wetlands ecosystems if such restoration, management, or enhancement is conducted on coastal lands and waters that are administered for the long-term conservation of such lands and waters and the hydrology, water quality and fish and wildlife dependent thereon;

(8) "Governor" means the Governor of Louisiana;

(9) "Task Force" means the Louisiana Coastal Wetlands Conservation and Restoration Task Force which shall consist of the Secretary, who shall serve as chairman, the Administrator, the Governor, the Secretary of the Interior, the Secretary of Agriculture and the Secretary of Commerce; and

(10) "Director" means the Director of the United States Fish and Wildlife Service.

**SEC. 303. PRIORITY LOUISIANA COASTAL WETLANDS RESTORATION PROJECTS** 16 USC 3962

**(a) PRIORITY PROJECT LIST.—**

(1) **PREPARATION OF LIST.—**Within forty-five days after the date of enactment of this title, the Secretary shall convene the 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 on 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.

(2) **TASK FORCE PROCEDURES.—**The Secretary shall convene meetings of the Task Force as appropriate to ensure that the list is produced and transmitted annually to the Congress as required by this subsection. If necessary to ensure transmittal of the list on a timely basis, the Task Force shall produce the list by a majority vote of those Task Force members who are present and voting; except that no coastal wetlands restoration project shall be placed on the list without the concurrence of the lead Task Force member that the project is cost effective and sound from an engineering perspective. Those projects which potentially impact navigation or flood control on the lower Mississippi River System shall be constructed consistent with section 304 of this Act.

(3) **TRANSMITTAL OF LIST.—**No later than one year after the date of enactment of this title, the Secretary shall transmit to the Congress the list of priority coastal wetlands restoration projects required by paragraph (1) of this subsection. Thereafter,

Reports.

the list shall be updated annually by the Task Force members and transmitted by the Secretary to the Congress as part of the President's annual budget submission. Annual transmittals of the list to the Congress shall include a status report on each project and a statement from the Secretary of the Treasury indicating the amounts available for expenditure to carry out this title.

(4) LIST OF CONTENTS.—

(A) AREA IDENTIFICATION; PROJECT DESCRIPTION.—The list of priority coastal wetlands restoration projects shall include, but not be limited to—

(i) identification, by map or other means, of the coastal area to be covered by the coastal wetlands restoration project; and

(ii) a detailed description of each proposed coastal wetlands restoration project including a justification for including such project on the list, the proposed activities to be carried out pursuant to each coastal wetlands restoration project, the benefits to be realized by such project, the identification of the lead Task Force member to undertake each proposed coastal wetlands restoration project and the responsibilities of each other participating Task Force member, an estimated timetable for the completion of each coastal wetlands restoration project, and the estimated cost of each project.

(B) PRE-PLAN.—Prior to the date on which the plan required by subsection (b) of this section becomes effective, such list shall include only those coastal wetlands restoration projects that can be substantially completed during a five-year period commencing on the date the project is placed on the list.

(C) Subsequent to the date on which the plan required by subsection (b) of this section becomes effective, such list shall include only those coastal wetlands restoration projects that have been identified in such plan.

(5) FUNDS.—The Secretary shall, with the funds made available in accordance with section 306 of this title, allocate funds among the members of the Task Force based on the need for such funds and such other factors as the Task Force deems appropriate to carry out the purposes of this subsection.

(b) FEDERAL AND STATE PROJECT PLANNING.—

(1) PLAN PREPARATION.—The Task Force shall prepare a plan to identify coastal wetlands restoration projects, in order of priority, based on the cost-effectiveness of such projects in creating, restoring, protecting, or enhancing the long-term conservation of 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. Such restoration plan shall be completed within three years from the date of enactment of this title.

(2) PURPOSE OF THE PLAN.—The purpose of the restoration plan is to develop a comprehensive approach to restore and prevent the loss of coastal wetlands in Louisiana. Such plan shall coordinate and integrate coastal wetlands restoration

projects in a manner that will ensure the long-term conservation of the coastal wetlands of Louisiana.

(3) **INTEGRATION OF EXISTING PLANS.**—In developing the restoration plan, the Task Force shall seek to integrate the "Louisiana Comprehensive Coastal Wetlands Feasibility Study" conducted by the Secretary of the Army and the "Coastal Wetlands Conservation and Restoration Plan" prepared by the State of Louisiana's Wetlands Conservation and Restoration Task Force.

(4) **ELEMENTS OF THE PLAN.**—The restoration plan developed pursuant to this subsection shall include—

(A) identification of the entire area in the State that contains coastal wetlands;

(B) identification, by map or other means, of coastal areas in Louisiana in need of coastal wetlands restoration projects;

(C) identification of high priority coastal wetlands restoration projects in Louisiana needed to address the areas identified in subparagraph (B) and that would provide for the long-term conservation of restored wetlands and dependent fish and wildlife populations;

(D) a listing of such coastal wetlands restoration projects, in order of priority, to be submitted annually, incorporating any project identified previously in lists produced and submitted under subsection (a) of this section;

(E) a detailed description of each proposed coastal wetlands restoration project, including a justification for including such project on the list;

(F) the proposed activities to be carried out pursuant to each coastal wetlands restoration project;

(G) the benefits to be realized by each such project;

(H) an estimated timetable for completion of each coastal wetlands restoration project;

(I) an estimate of the cost of each coastal wetlands restoration project;

(J) identification of a lead Task Force member to undertake each proposed coastal wetlands restoration project listed in the plan;

(K) consultation with the public and provision for public review during development of the plan; and

(L) evaluation of the effectiveness of each coastal wetlands restoration project in achieving long-term solutions to arresting coastal wetlands loss in Louisiana.

(5) **PLAN MODIFICATION.**—The Task Force may modify the restoration plan from time to time as necessary to carry out the purposes of this section.

(6) **PLAN SUBMISSION.**—Upon completion of the restoration plan, the Secretary shall submit the plan to the Congress. The restoration plan shall become effective ninety days after the date of its submission to the Congress.

(7) **PLAN EVALUATION.**—Not less than three years after the completion and submission of the restoration plan required by this subsection and at least every three years thereafter, the Task Force shall provide a report to the Congress containing a scientific evaluation of the effectiveness of the coastal wetlands restoration projects carried out under the plan in crea-

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ting, restoring, protecting and enhancing coastal wetlands in Louisiana.

(c) **COASTAL WETLANDS RESTORATION PROJECT BENEFITS.**—Where such a determination is required under applicable law, the net ecological, aesthetic, and cultural benefits, together with the economic benefits, shall be deemed to exceed the costs of any coastal wetlands restoration project within the State which the Task Force finds to contribute significantly to wetlands restoration.

(d) **CONSISTENCY.**—(1) In implementing, maintaining, modifying, or rehabilitating navigation, flood control or irrigation projects, other than emergency actions, under other authorities, the Secretary, in consultation with the Director and the Administrator, shall ensure that such actions are consistent with the purposes of the restoration plan submitted pursuant to this section.

(2) At the request of the Governor of the State of Louisiana, the Secretary of Commerce shall approve the plan as an amendment to the State's coastal zone management program approved under section 306 of the Coastal Zone Management Act of 1972 (16 U.S.C. 1455).

(e) **FUNDING OF WETLANDS RESTORATION PROJECTS.**—The Secretary shall, with the funds made available in accordance with this title, allocate such funds among the members of the Task Force to carry out coastal wetlands restoration projects in accordance with the priorities set forth in the list transmitted in accordance with this section. The Secretary shall not fund a coastal wetlands restoration project unless that project is subject to such terms and conditions as necessary to ensure that wetlands restored, enhanced or managed through that project will be administered for the long-term conservation of such lands and waters and dependent fish and wildlife populations.

(f) **COST-SHARING.**—

(1) **FEDERAL SHARE.**—Amounts made available in accordance with section 306 of this title to carry out coastal wetlands restoration projects under this title shall provide 75 percent of the cost of such projects.

(2) **FEDERAL SHARE UPON CONSERVATION PLAN APPROVAL.**—Notwithstanding the previous paragraph, if the State develops a Coastal Wetlands Conservation Plan pursuant to this title, and such conservation plan is approved pursuant to section 304 of this title, amounts made available in accordance with section 306 of this title for any coastal wetlands restoration project under this section shall be 85 percent of the cost of the project. In the event that the Secretary, the Director, and the Administrator jointly determine that the State is not taking reasonable steps to implement and administer a conservation plan developed and approved pursuant to this title, amounts made available in accordance with section 306 of this title for any coastal wetlands restoration project shall revert to 75 percent of the cost of the project: *Provided, however,* that such reversion to the lower cost share level shall not occur until the Governor has been provided notice of, and opportunity for hearing on, any such determination by the Secretary, the Director, and Administrator, and the State has been given ninety days from such notice or hearing to take corrective action.

(3) **FORM OF STATE SHARE.**—The share of the cost required of the State shall be from a non-Federal source. Such State share shall consist of a cash contribution of not less than 5 percent of

the cost of the project. The balance of such State share may take the form of lands, easements, or right-of-way, or any other form of in-kind contribution determined to be appropriate by the lead Task Force member.

(4) Paragraphs (1), (2), and (3) of this subsection shall not affect the existing cost-sharing agreements for the following projects: Caernarvon Freshwater Diversion, Davis Pond Freshwater Diversion, and Bonnet Carre Freshwater Diversion.

**SEC. 304. LOUISIANA COASTAL WETLANDS CONSERVATION PLANNING.**

16 USC 3953.

**(a) DEVELOPMENT OF CONSERVATION PLAN.—**

(1) **AGREEMENT.—**The Secretary, the Director, and the Administrator are directed to enter into an agreement with the Governor, as set forth in paragraph (2) of this subsection, upon notification of the Governor's willingness to enter into such agreement.

**(2) TERMS OF AGREEMENT.—**

(A) Upon receiving notification pursuant to paragraph (1) of this subsection, the Secretary, the Director, and the Administrator shall promptly enter into an agreement (hereafter in this section referred to as the "agreement") with the State under the terms set forth in subparagraph (B) of this paragraph.

**(B) The agreement shall—**

(i) set forth a process by which the State agrees to develop, in accordance with this section, a coastal wetlands conservation plan (hereafter in this section referred to as the "conservation plan");

(ii) designate a single agency of the State to develop the conservation plan;

(iii) assure an opportunity for participation in the development of the conservation plan, during the planning period, by the public and by Federal and State agencies;

(iv) obligate the State, not later than three years after the date of signing the agreement, unless extended by the parties thereto, to submit the conservation plan to the Secretary, the Director, and the Administrator for their approval; and

(v) upon approval of the conservation plan, obligate the State to implement the conservation plan.

**(3) GRANTS AND ASSISTANCE.—**Upon the date of signing the agreement—

(A) the Administrator shall, in consultation with the Director, with the funds made available in accordance with section 306 of this title, make grants during the development of the conservation plan to assist the designated State agency in developing such plan. Such grants shall not exceed 75 percent of the cost of developing the plan; and

(B) the Secretary, the Director, and the Administrator shall provide technical assistance to the State to assist it in the development of the plan.

**(b) CONSERVATION PLAN GOAL.—**If a conservation plan is developed pursuant to this section, it shall have a goal of achieving no net loss of wetlands in the coastal areas of Louisiana as a result of development activities initiated subsequent to approval of the plan.

exclusive of any wetlands gains achieved through implementation of the preceding section of this title.

(c) **ELEMENTS OF CONSERVATION PLAN.**—The conservation plan authorized by this section shall include—

(1) identification of the entire coastal area in the State that contains coastal wetlands;

(2) designation of a single State agency with the responsibility for implementing and enforcing the plan;

(3) identification of measures that the State shall take in addition to existing Federal authority to achieve a goal of no net loss of wetlands as a result of development activities, exclusive of any wetlands gains achieved through implementation of the preceding section of this title;

(4) a system that the State shall implement to account for gains and losses of coastal wetlands within coastal areas for purposes of evaluating the degree to which the goal of no net loss of wetlands as a result of development activities in such wetlands or other waters has been attained;

(5) satisfactory assurances that the State will have adequate personnel, funding, and authority to implement the plan;

(6) a program to be carried out by the State for the purpose of educating the public concerning the necessity to conserve wetlands;

(7) a program to encourage the use of technology by persons engaged in development activities that will result in negligible impact on wetlands; and

(8) a program for the review, evaluation, and identification of regulatory and nonregulatory options that will be adopted by the State to encourage and assist private owners of wetlands to continue to maintain those lands as wetlands.

(d) **APPROVAL OF CONSERVATION PLAN.**—

(1) **IN GENERAL.**—If the Governor submits a conservation plan to the Secretary, the Director, and the Administrator for their approval, the Secretary, the Director, and the Administrator shall, within one hundred and eighty days following receipt of such plan, approve or disapprove it.

(2) **APPROVAL CRITERIA.**—The Secretary, the Director, and the Administrator shall approve a conservation plan submitted by the Governor, if they determine that—

(A) the State has adequate authority to fully implement all provisions of such a plan;

(B) such a plan is adequate to attain the goal of no net loss of coastal wetlands as a result of development activities and complies with the other requirements of this section; and

(C) the plan was developed in accordance with terms of the agreement set forth in subsection (a) of this section.

(e) **MODIFICATION OF CONSERVATION PLAN.**—

(1) **NONCOMPLIANCE.**—If the Secretary, the Director, and the Administrator determine that a conservation plan submitted by the Governor does not comply with the requirements of subsection (d) of this section, they shall submit to the Governor a statement explaining why the plan is not in compliance and how the plan should be changed to be in compliance.

(2) **RECONSIDERATION.**—If the Governor submits a modified conservation plan to the Secretary, the Director, and the Administrator for their reconsideration, the Secretary, the

Director, and Administrator shall have ninety days to determine whether the modifications are sufficient to bring the plan into compliance with requirements of subsection (d) of this section.

(3) **APPROVAL OF MODIFIED PLAN.**—If the Secretary, the Director, and the Administrator fail to approve or disapprove the conservation plan, as modified, within the ninety-day period following the date on which it was submitted to them by the Governor, such plan, as modified, shall be deemed to be approved effective upon the expiration of such ninety-day period.

(f) **AMENDMENTS TO CONSERVATION PLAN.**—If the Governor amends the conservation plan approved under this section, any such amended plan shall be considered a new plan and shall be subject to the requirements of this section; except that minor changes to such plan shall not be subject to the requirements of this section.

(g) **IMPLEMENTATION OF CONSERVATION PLAN.**—A conservation plan approved under this section shall be implemented as provided therein.

(h) **FEDERAL OVERSIGHT.**—

(1) **INITIAL REPORT TO CONGRESS.**—Within one hundred and eighty days after entering into the agreement required under subsection (a) of this section, the Secretary, the Director, and the Administrator shall report to the Congress as to the status of a conservation plan approved under this section and the progress of the State in carrying out such a plan, including and accounting, as required under subsection (c) of this section, of the gains and losses of coastal wetlands as a result of development activities.

(2) **REPORT TO CONGRESS.**—Twenty-four months after the initial one hundred and eighty day period set forth in paragraph (1), and at the end of each twenty-four-month period thereafter, the Secretary, the Director, and the Administrator shall, report to the Congress on the status of the conservation plan and provide an evaluation of the effectiveness of the plan in meeting the goal of this section.

#### SEC. 305 NATIONAL COASTAL WETLANDS CONSERVATION GRANTS.

16 USC 3954.

(a) **MATCHING GRANTS.**—The Director shall, with the funds made available in accordance with the next following section of this title, make matching grants to any coastal State to carry out coastal wetlands conservation projects from funds made available for that purpose.

(b) **PRIORITY.**—Subject to the cost-sharing requirements of this section, the Director may grant or otherwise provide any matching moneys to any coastal State which submits a proposal substantial in character and design to carry out a coastal wetlands conservation project. In awarding such matching grants, the Director shall give priority to coastal wetlands conservation projects that are—

(1) consistent with the National Wetlands Priority Conservation Plan developed under section 301 of the Emergency Wetlands Resources Act (16 U.S.C. 3921); and

(2) in coastal States that have established dedicated funding for programs to acquire coastal wetlands, natural areas and open spaces. In addition, priority consideration shall be given to coastal wetlands conservation projects in maritime forests on coastal barrier islands.

(c) **CONDITIONS.**—The Director may only grant or otherwise provide matching moneys to a coastal State for purposes of carrying out a coastal wetlands conservation project if the grant or provision is subject to terms and conditions that will ensure that any real property interest acquired in whole or in part, or enhanced, managed, or restored with such moneys will be administered for the long-term conservation of such lands and waters and the fish and wildlife dependent thereon.

(d) **COST-SHARING.**—

(1) **FEDERAL SHARE.**—Grants to coastal States of matching moneys by the Director for any fiscal year to carry out coastal wetlands conservation projects shall be used for the payment of not to exceed 50 percent of the total costs of such projects; except that such matching moneys may be used for payment of not to exceed 75 percent of the costs of such projects if a coastal State has established a trust fund, from which the principal is not spent, for the purpose of acquiring coastal wetlands, other natural area or open spaces.

(2) **FORM OF STATE SHARE.**—The matching moneys required of a coastal State to carry out a coastal wetlands conservation project shall be derived from a non-Federal source.

(3) **IN-KIND CONTRIBUTIONS.**—In addition to cash outlays and payments, in-kind contributions of property or personnel services by non-Federal interests for activities under this section may be used for the non-Federal share of the cost of those activities.

(e) **PARTIAL PAYMENTS.**—

(1) The Director may from time to time make matching payments to carry out coastal wetlands conservation projects as such projects progress, but such payments, including previous payments, if any, shall not be more than the Federal pro rata share of any such project in conformity with subsection (d) of this section.

(2) The Director may enter into agreements to make matching payments on an initial portion of a coastal wetlands conservation project and to agree to make payments on the remaining Federal share of the costs of such project from subsequent moneys if and when they become available. The liability of the United States under such an agreement is contingent upon the continued availability of funds for the purpose of this section.

(f) **WETLANDS ASSESSMENT.**—The Director shall, with the funds made available in accordance with the next following section of this title, direct the U.S. Fish and Wildlife Service's National Wetland Inventory to update and digitize wetlands maps in the State of Texas and to conduct an assessment of the status, condition, and trends of wetlands in that State.

Texas.

16 USC 3864.

**SEC. 304. DISTRIBUTION OF APPROPRIATIONS.**

(a) **PRIORITY PROJECT AND CONSERVATION PLANNING EXPENDITURES.**—Of the total amount appropriated during a given fiscal year to carry out this title, 70 percent, not to exceed \$70,000,000, shall be available, and shall remain available until expended, for the purposes of making expenditures—

(1) not to exceed the aggregate amount of \$5,000,000 annually to assist the Task Force in the preparation of the list required under this title and the plan required under this title, including preparation of—

- (A) preliminary assessments;
- (B) general or site-specific inventories;
- (C) reconnaissance, engineering or other studies;
- (D) preliminary design work; and
- (E) such other studies as may be necessary to identify and evaluate the feasibility of coastal wetland restoration projects;

(2) to carry out coastal wetlands restoration projects in accordance with the priorities set forth on the list prepared under this title;

(3) to carry out wetlands restoration projects in accordance with the priorities set forth in the restoration plan prepared under this title;

(4) to make grants not to exceed \$2,500,000 annually or \$10,000,000 in total, to assist the agency designated by the State in development of the Coastal Wetlands Conservation Plan pursuant to this title.

(b) **COASTAL WETLANDS CONSERVATION GRANTS.**—Of the total amount appropriated during a given fiscal year to carry out this title, 15 percent, not to exceed \$15,000,000 shall be available, and shall remain available to the Director, for purposes of making grants—

(1) to any coastal State, except States eligible to receive funding under section 306(a), to carry out coastal wetlands conservation projects in accordance with section 305 of this title; and

(2) in the amount of \$2,500,000 in total for an assessment of the status, condition, and trends of wetlands in the State of Texas.

(c) **NORTH AMERICAN WETLANDS CONSERVATION.**—Of the total amount appropriated during a given fiscal year to carry out this title, 15 percent, not to exceed \$15,000,000, shall be available to, and shall remain available until expended by, the Secretary of the Interior for allocation to carry out wetlands conservation projects in any coastal State under section 8 of the North American Wetlands Conservation Act (Public Law 101-233, 103 Stat. 1968, December 13, 1989).

#### SEC. 307. GENERAL PROVISIONS.

16 USC 3956.

(a) **ADDITIONAL AUTHORITY FOR THE CORPS OF ENGINEERS.**—The Secretary is authorized to carry out projects for the protection, restoration, or enhancement of aquatic and associated ecosystems, including projects for the protection, restoration, or creation of wetlands and coastal ecosystems. In carrying out such projects, the Secretary shall give such projects equal consideration with projects relating to irrigation, navigation, or flood control.

Irrigation.  
Navigation.  
Flood control.

(b) **STUDY.**—The Secretary is hereby authorized and directed to study the feasibility of modifying the operation of existing navigation and flood control projects to allow for an increase in the share of the Mississippi River flows and sediment sent down the Atchafalaya River for purposes of land building and wetlands nourishment.

#### SEC. 308. CONFORMING AMENDMENT.

16 U.S.C. 777c is amended by adding the following after the first sentence: "The Secretary shall distribute 18 per centum of each annual appropriation made in accordance with the provisions of

section 777b of this title as provided in the Coastal Wetlands Planning, Protection and Restoration Act: *Provided, That, notwithstanding the provisions of section 777b, such sums shall remain available to carry out such Act through fiscal year 1999.*"

Great Lakes  
Oil Pollution  
Research and  
Development  
Act.

33 USC 2701  
note.

Ann. p. 569.

## "TITLE IV—GREAT LAKES OIL POLLUTION RESEARCH AND DEVELOPMENT

### "SEC. 4001. SHORT TITLE

"This title may be cited as the "Great Lakes Oil Pollution Research and Development Act".

### "SEC. 4002. GREAT LAKES OIL POLLUTION RESEARCH AND DEVELOPMENT.

"Section 7001 of the Oil Pollution Act of 1990 (Public Law 101-380) is amended as follows:

"(1) GREAT LAKES DEMONSTRATION PROJECT.—In subsection (c)(6), strike "3" and insert "4", strike "and" after "California," and insert "and (D) ports on the Great Lakes," after "Louisiana,".

"(2) FUNDING.—In subsection (f) strike "21,250,000" and insert "22,000,000" and in subsection (f)(2) strike "2,250,000" and insert "3,000,000".

Approved November 29, 1990.

#### LEGISLATIVE HISTORY—H.R. 5300 (S. 2244):

SENATE REPORTS: No. 101-523 accompanying S. 2244 (Comm. on Environment and Public Works).

CONGRESSIONAL RECORD, Vol. 136 (1990):

Oct. 1, considered and passed House.

Oct. 26, considered and passed Senate, amended, in lieu of S. 2244.

Oct. 27, House concurred in Senate amendment.

WEEKLY COMPILATION OF PRESIDENTIAL DOCUMENTS, Vol. 26 (1990):

Nov. 29, Presidential statement.