COMPLETE STATUS REPORT
FOR
COASTAL WETLANDS
CONSERVATION AND RESTORATION
PLAN
FISCAL YEAR 1990-91

AS OF
March 31, 1991

Prepared for
Gov. Buddy Roemer's Office of Coastal Activities
Mr. David Chambers, Executive Assistant

by the
Louisiana Department of Natural Resources
Mr. Ron Gomez, Secretary
for distribution to

Senate Natural Resources Committee
Hon. Oswald DeCuir, Chairman
and House Natural Resources Committee
Hon. Randy Roach, Chairman
in accordance with
Act 6 of the 1989 Louisiana Legislature, Second Extraordinary Session,
R.S. 49:213.6

This public document is published at a total cost of $1,825.83. Three hundred copies of this public document were published in this first printing at a cost of $1,825.83. The total cost of all printings of this document including reprints is $1,825.83. This document was published by the Department of Natural Resources, Coastal Restoration Division, P. O. Box 94396, Baton Rouge, LA 70804, to be distributed to the Senate Natural Resources Committee under the authority of R.S. 49:213-214.5. This material was printed in accordance with standards for printing by state agencies established pursuant to R.S. 43:31.

CONTENTS

Project Description and Status Reports

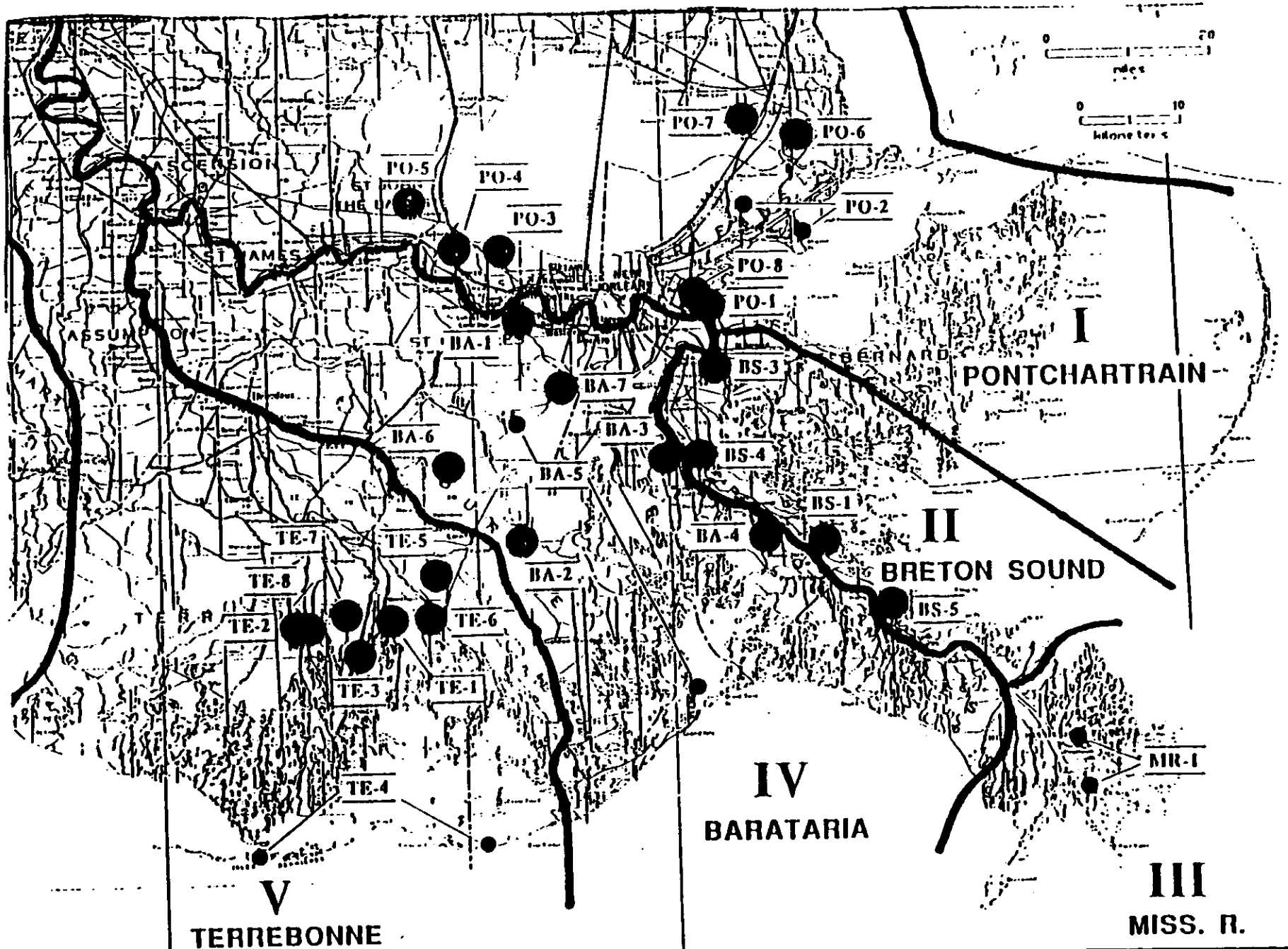


Figure 1. Location of proposed projects as depicted in the 1991 Coastal Wetlands Conservation and Restoration Plan.

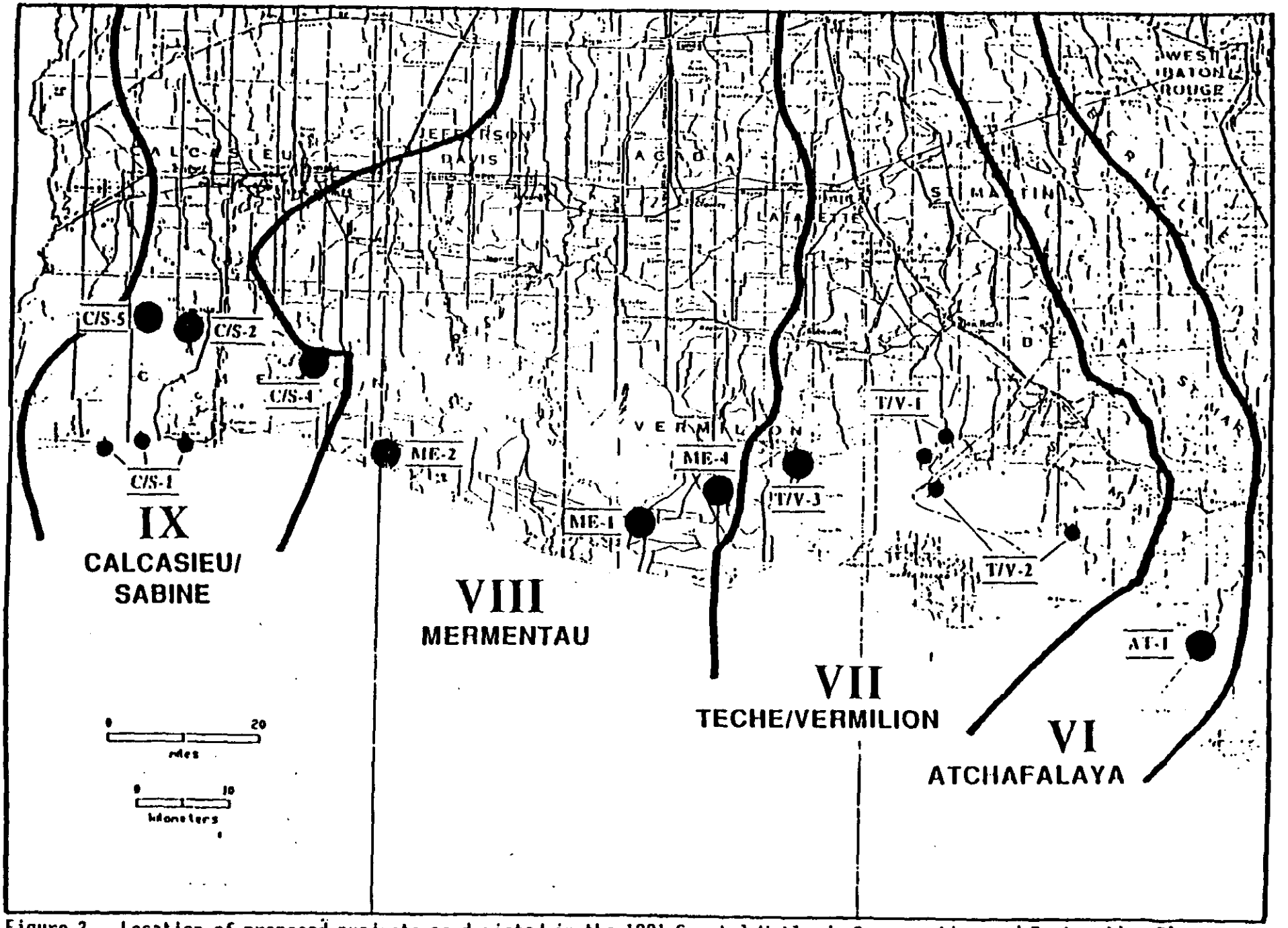


Figure 2. Location of proposed projects as depicted in the 1991 Coastal Wetlands Conservation and Restoration Plan.

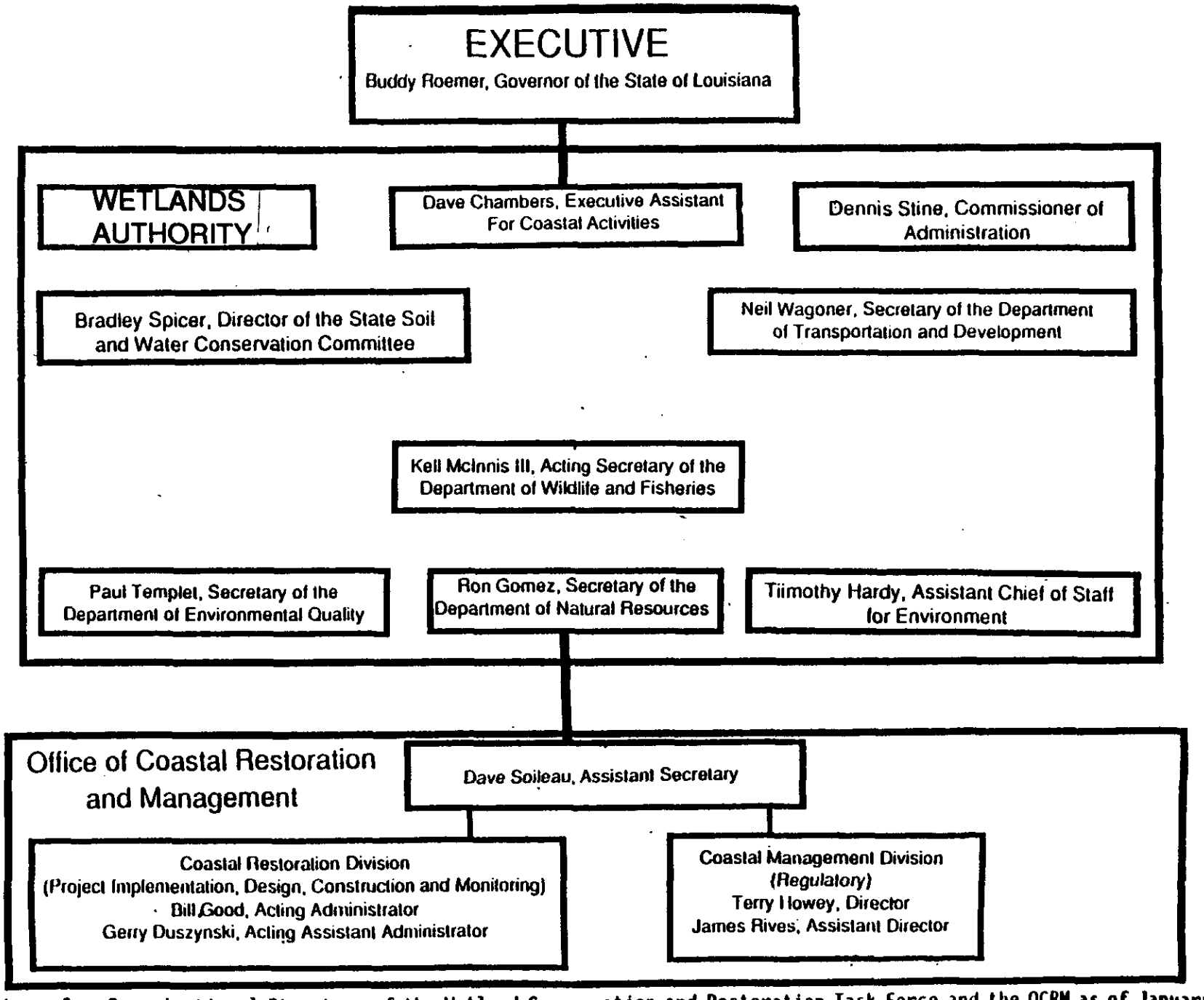


Figure 3. Organizational Structure of the Wetland Conservation and Restoration Task Force and the OCRM as of January 1991.

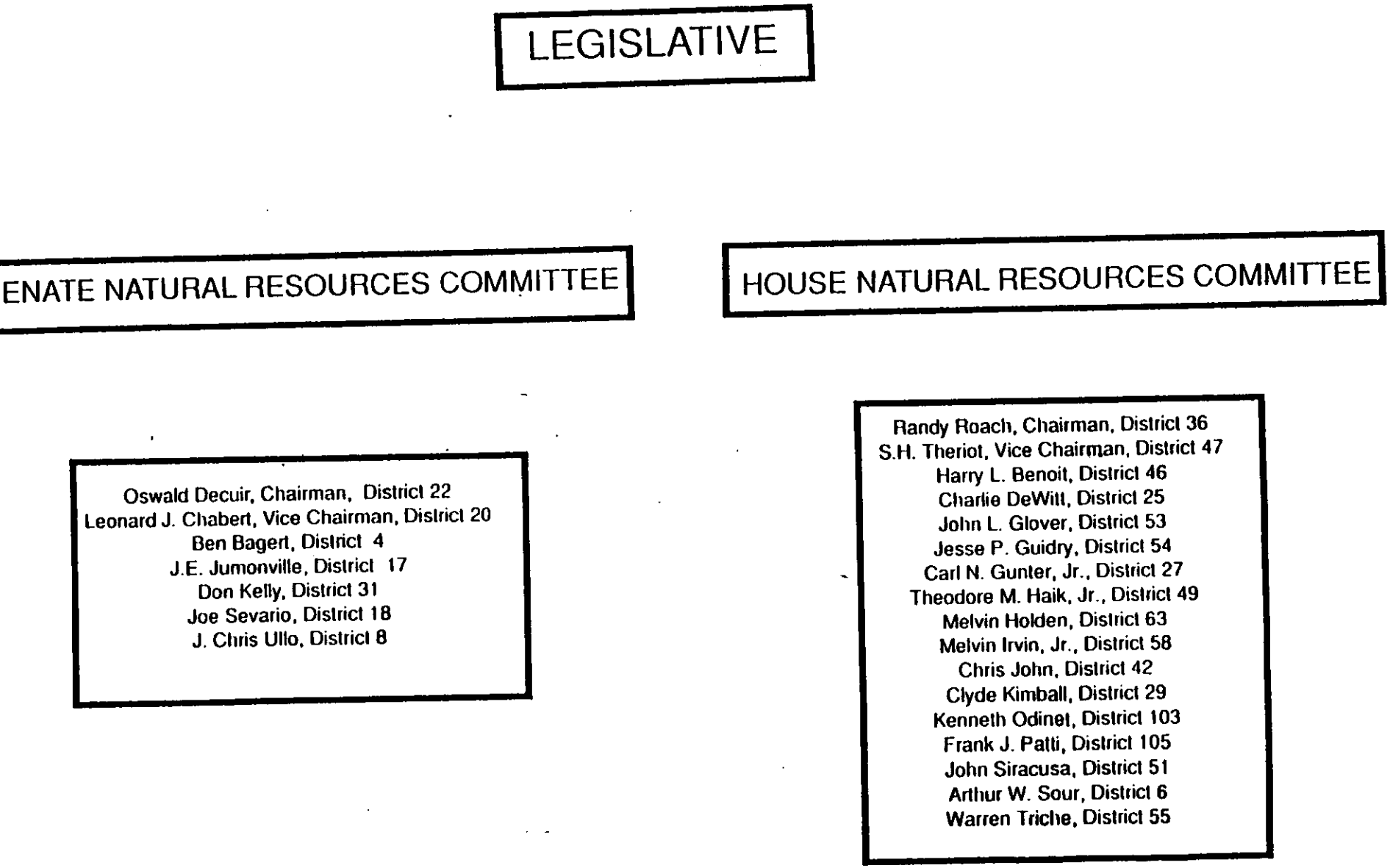
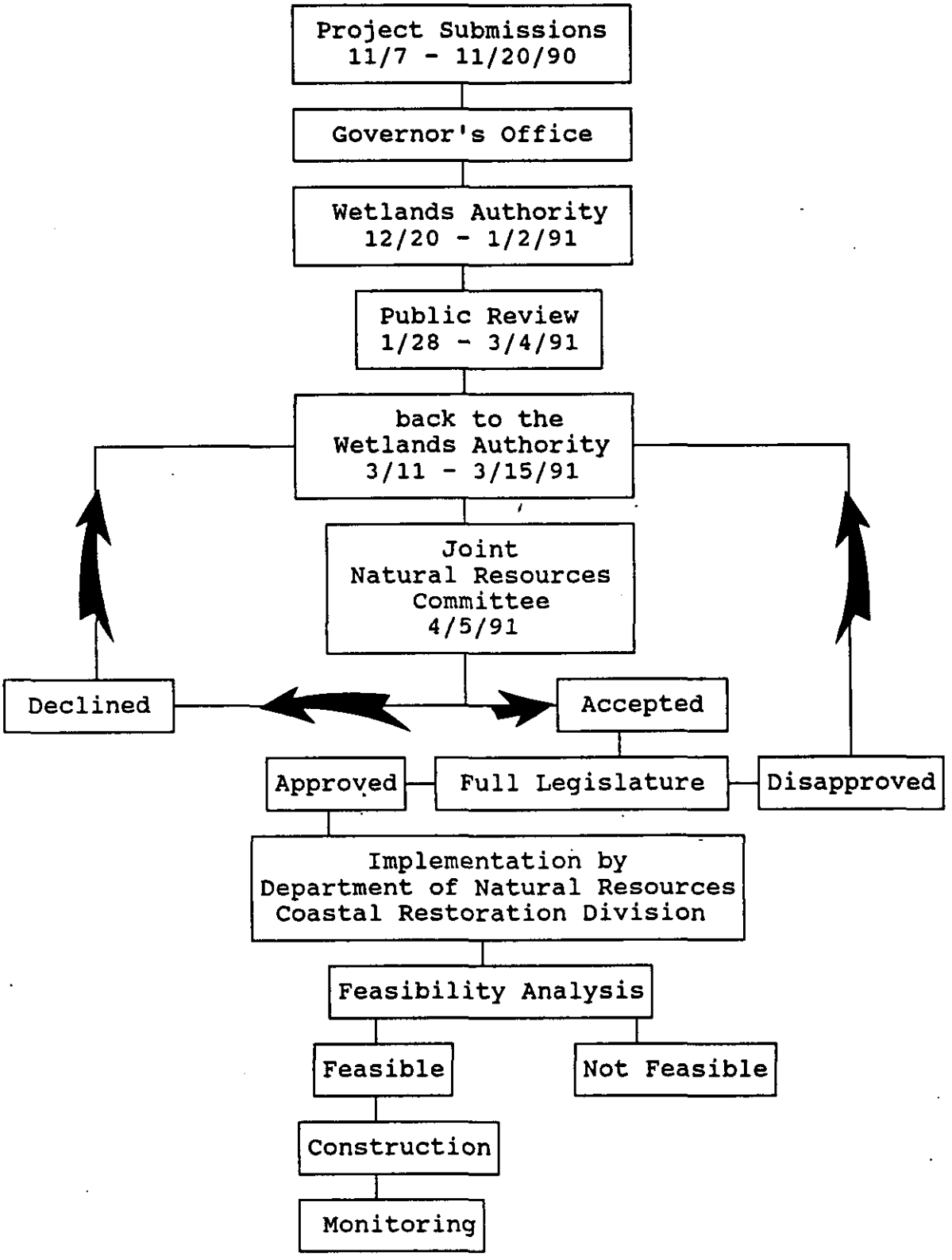


Figure 4. Organizational Structure of the House and Senate Natural Resource Committees as of January 1991.

PROJECT IMPLEMENTATION PROCESS:
Fiscal Year 1992



PONTCHARTRAIN BASIN

PROJECT ELEMENTS	PO-1a	PO-1b	PO-1c	PO-2b	PO-2c	PO-3a	
Feasibility Planning Design	A	A	I	A	A	A	
Construction Implementation							
Operation Maintenance Rehabilitation Monitoring							
Priority	1	2	2	4	4	3	

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

PONTCHARTRAIN BASIN (Cont.)

PROJECT ELEMENTS	PO-3b	PO-4	PO-5a	PO-5b	PO-6	PO-7	PO-8
Feasibility Planning Design	A	I	I	I	I	I	C
Construction Implementation							A
Operation Maintenance Rehabilitation Monitoring							
Priority	3	3	3	3	3	3	4

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

BRETON SOUND BASIN/MISSISSIPPI RIVER DELTA

PROJECT ELEMENTS	BS-1a	BS-1b	BS-3a	BS-3b	BS-4a	BS-4b	BS-5		MR-1
Feasibility Planning Design	I	I	B	B	I	B	I		C
Construction Implementation									A
Operation Maintenance Rehabilitation Monitoring									
Priority	1	2	1	1	2	2	2		2

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

BARATARIA BASIN

PROJECT ELEMENTS	BA-1	BA-2	BA-3a	BA-3b	BA-3c	BA-4a	BA-4b
Feasibility Planning Design	C	A	C	I	B	C	I
Construction Implementation		B	I			I	
Operation Maintenance Rehabilitation Monitoring							
Priority	1	1	1	1	2	1	1

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

BARATARIA BASIN (Cont.)

PROJECT ELEMENTS	BA-4c	BA-5b(i)	BA-5b(ii)	BA-5c	BA-6	BA-7	
Feasibility Planning Design	I	C	I	C	A	I	
Construction Implementation		C	B	C			
Operation Maintenance Rehabilitation Monitoring		I		I			
Priority	2	4	4	3	1	3	

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

TERREBONNE BASIN

PROJECT ELEMENTS	TE-1a	TE-1b	TE-2(i)	TE-2(ii)	TE-3(i)	TE-3(ii)	TE-4b
Feasibility Planning Design	A	C	C	C	C	I	C
Construction Implementation		B	C	A	C	B	B
Operation Maintenance Rehabilitation Monitoring			B		I		
Priority	1		2	2	2	2	4

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

TERREBONNE BASIN (Cont.)

PROJECT ELEMENTS	TE-5	TE-6	TE-7a	TE-7b	TE-7c	TE-8	
Feasibility Planning Design	A	A	A	A	A	I	
Construction Implementation							
Operation Maintenance Rehabilitation Monitoring							
Priority	2	3	3	3	3	3	

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

TECHE/VERMILION BASIN/ATCHAFALAYA

PROJECT ELEMENTS	T/V-1	T/V-2a	T/V-2b	T/V-3	AT-1		
Feasibility Planning Design	I	C	C	C	C		
Construction Implementation		I	A	A	B		
Operation Maintenance Rehabilitation Monitoring				B			
Priority	4	4	4	4	4		

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

MERMENTAU BASIN

PROJECT ELEMENTS	ME-1a	ME-1b	ME-2	ME-4		ALL-1	
Feasibility Planning Design	C	C	C	I		C	
Construction Implementation	B	B				A	
Operation Maintenance Rehabilitation Monitoring							
Priority	2	3	4	3		1	

LEGEND:

C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

CALCASIEU/SABINE BASIN

PROJECT ELEMENTS	C/S-1a	C/S-1b	C/S-1b	C/S-2	C/S-4a	C/S-4b	C/S-5
Feasibility Planning Design	C	A	A	C	C	A	I
Construction Implementation	A			B	B		
Operation Maintenance Rehabilitation Monitoring							
Priority	2	3	4	3	1	2	3

LEGEND:

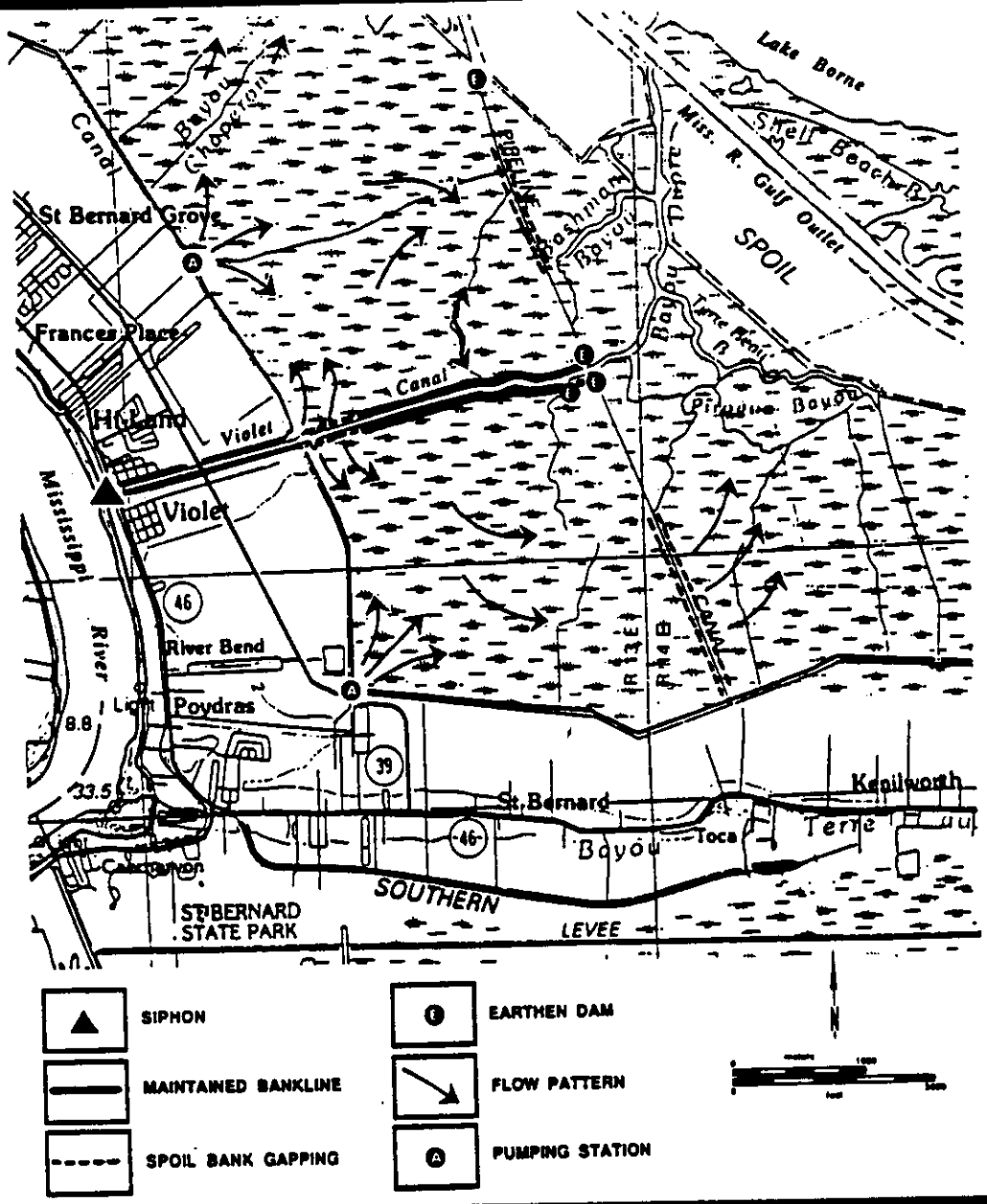
C: Completed

I: Initiated

A: Anticipated completed by 7/1/91

B: Anticipated initiated by 7/1/91

PONTCHARTRAIN BASIN



PO-1. VIOLET SIPHON DIVERSION

Hydrologic Basin: Pontchartrain
Parish: St. Bernard
Acreage Benefitted: 7,000

Purpose and Need: To place the siphon back in operation; to enlarge the size of this diversion so that more sediment and freshwater are available to offset subsidence and saltwater intrusion; and to manage outfall for greater utilization of the sediment and water.

Project Description: The following is planned in the project: maintenance dredging in canal and maintenance, modification, or removal of the silt containment box; evaluation of feasibility of diversion enlargement; provision for the routing of outfall through the marsh by gapping spoil banks and by changing outflow locations of marsh drainage.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-1a

PROJECT NAME Violet Siphon Rehabilitation

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	6/90	8/31/90
Planning	(4/91)	(6/91)
Eng./Design	(4/91)	(8/91)
Permitting	(4/91)	(7/91)
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $15,000 Brown & Root conceptual engineering report completed 8/31/90. $150,000 Cooperative Agreement with St. Bernard.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Conceptual engineering report 8/31/90.

4. Additional comments. Cooperative Agreement with St. Bernard Parish for engineering and rehabilitation is being prepared.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-1b

PROJECT NAME Violet Siphon Enlargement

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(5/90)	8/31/90
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. Brown & Root conceptual report completed.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Conceptual report 8/31/90.

4. Additional comments. Problems exist due to cost of relocations along Violet Canal, final costs have not been determined.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-1c

PROJECT NAME Violet Outfall Management

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

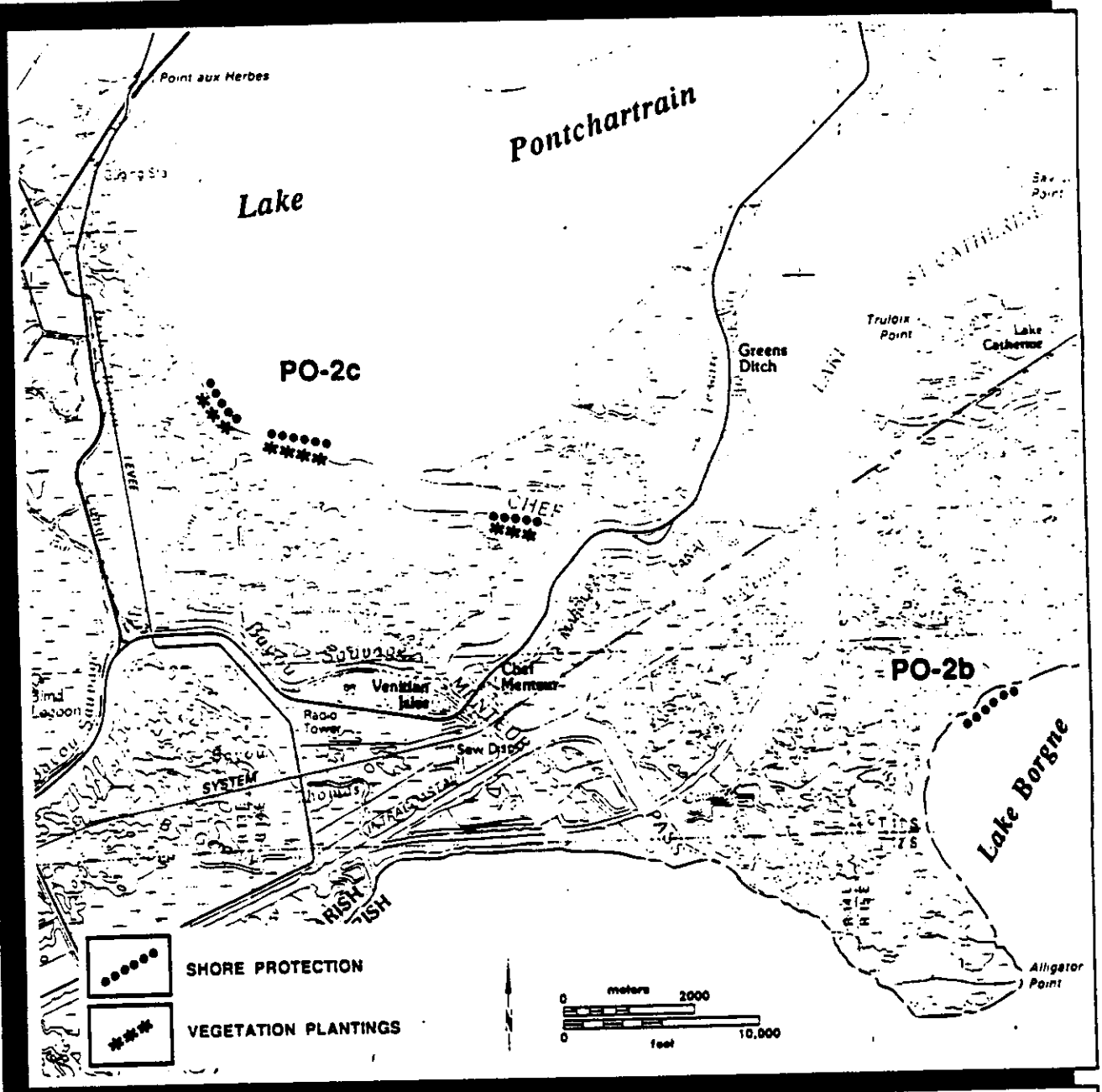
	Initiated*	Completed*
Feasibility	(6/91)	(10/91)
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Management plan will be initiated after structure is placed in operation and flow patterns are established.



PO-2b/2c. ALLIGATOR POINT/BAYOU CHEVEE

Hydrologic Basin: Pontchartrain
Parish: Orleans
Acreage Benefitted: 1,200

Purpose and Need: To stabilize segments of rapidly eroding shoreline where necessary to protect the physical integrity of the wetland barrier between Lake Borgne and Lake Pontchartrain.

Project Description: The project focuses on the addition of coarse material to the shoreline along a critical segment of Lake Borgne. The feasibility of using local coarse material sources need to be determined. In less exposed areas of Lake Pontchartrain and Chef Menteur Pass, where breaching into pond systems is imminent, sediment trapping and vegetative planting will be utilized to retard erosion and restore marsh.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-2b

PROJECT NAME Alligator Point

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	11/90	2/91
Planning	11/90	2/91
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Feasibility and planning reports have been prepared in-house by CRD. Costs have not been estimated at this time.

4. Additional comments.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-2c

PROJECT NAME Bayou Chevee

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

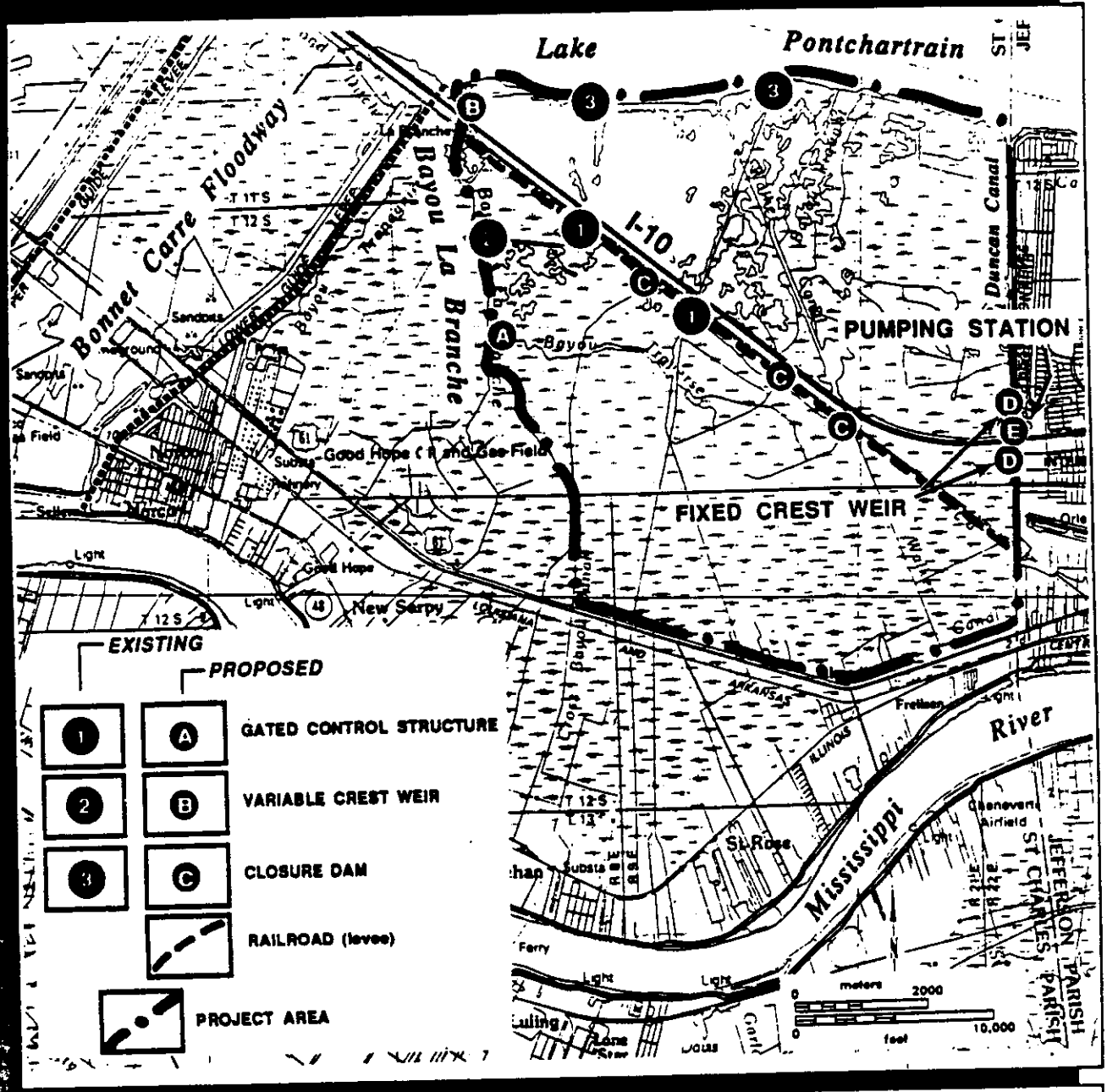
	Initiated*	Completed*
Feasibility	11/90	12/90
Planning	11/90	12/90
Eng./Design	12/90	(4/91)
Permitting	1/91	(5/91)
Construction	(5/91)	(6/91)
Oper./Maint./Mont.	(6/91)	

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.).
None

4. Additional comments.



PO-3a. LA BRANCHE WETLAND

Hydrologic Basin: Pontchartrain
Parish: St. Charles
Acreage Benefitted: 16,200

Purpose and Need: To complete an existing and largely implemented management plan for protecting and enhancing the remaining marshland. Threats to the existing marsh result from saltwater intrusion and erosion.

Project Description: Primary features that remain to be completed are the water control structure at I-10, closures along the railroad embankment, rehabilitation of a structure on Bayou Traverse, and fixed crest weirs on the west side of the Duncan Canal. Measures for delivering supplemental freshwater from a pump station will be evaluated.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-3a

PROJECT NAME LaBranche Management Plan

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

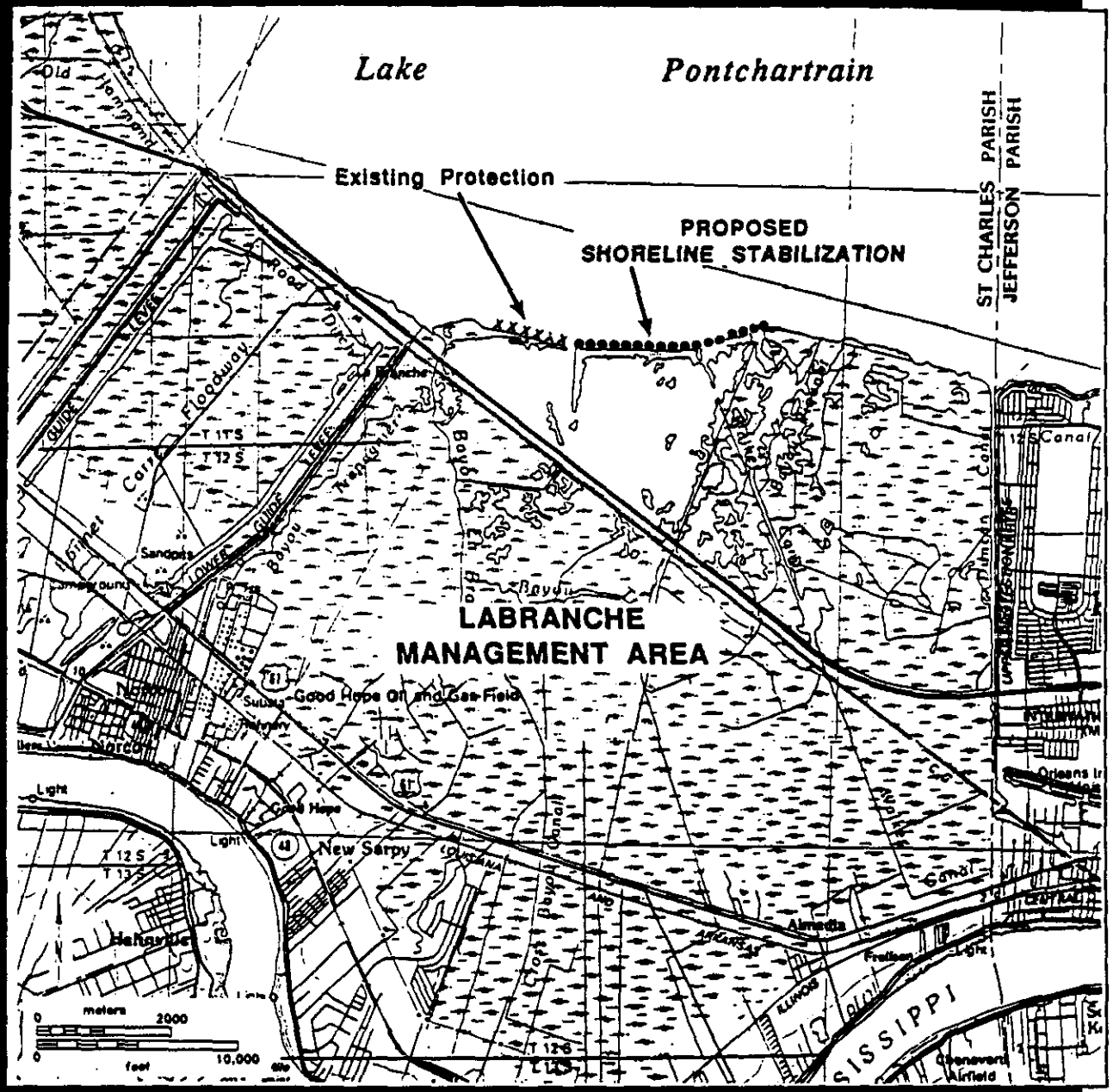
	Initiated*	Completed*
Feasibility		Prior
Planning		Prior
Eng./Design	(4/91)	(5/91)
Permitting	11/9/90	(4/91)
Construction	(6/91)	(7/91)
Oper./Maint./Mont.	(7/91)	

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Previous landowner plan prepared by Soil Conservation Service, endorsed by St. Charles Parish and permitted by Corps of Engineers and Coastal Management Division.

4. Additional comments. Parish studying impact of proposed pump station locations on hydrology of area.



PO-3b. LA BRANCHE SHORELINE

Hydrologic Basin: Pontchartrain
Parish: St. Charles
Acreage Benefitted: 4,000

Purpose and Need: Continued viability of the La Branche Wetland Project in its present form is dependent on a hydrologic boundary between Lake Pontchartrain and the wetland complex being managed. Breaching of this shoreline as a result of erosion is likely to occur in the near future.

Project Description: A feasibility analysis will be undertaken. Wave energy will dictate what type of shoreline protection is required. No specific measures have been decided upon. Measures could range from broadening the remaining marsh band with dredged material to structural elements such as rocks used in the adjacent area.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-3b

PROJECT NAME LaBranche Shoreline Protection

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

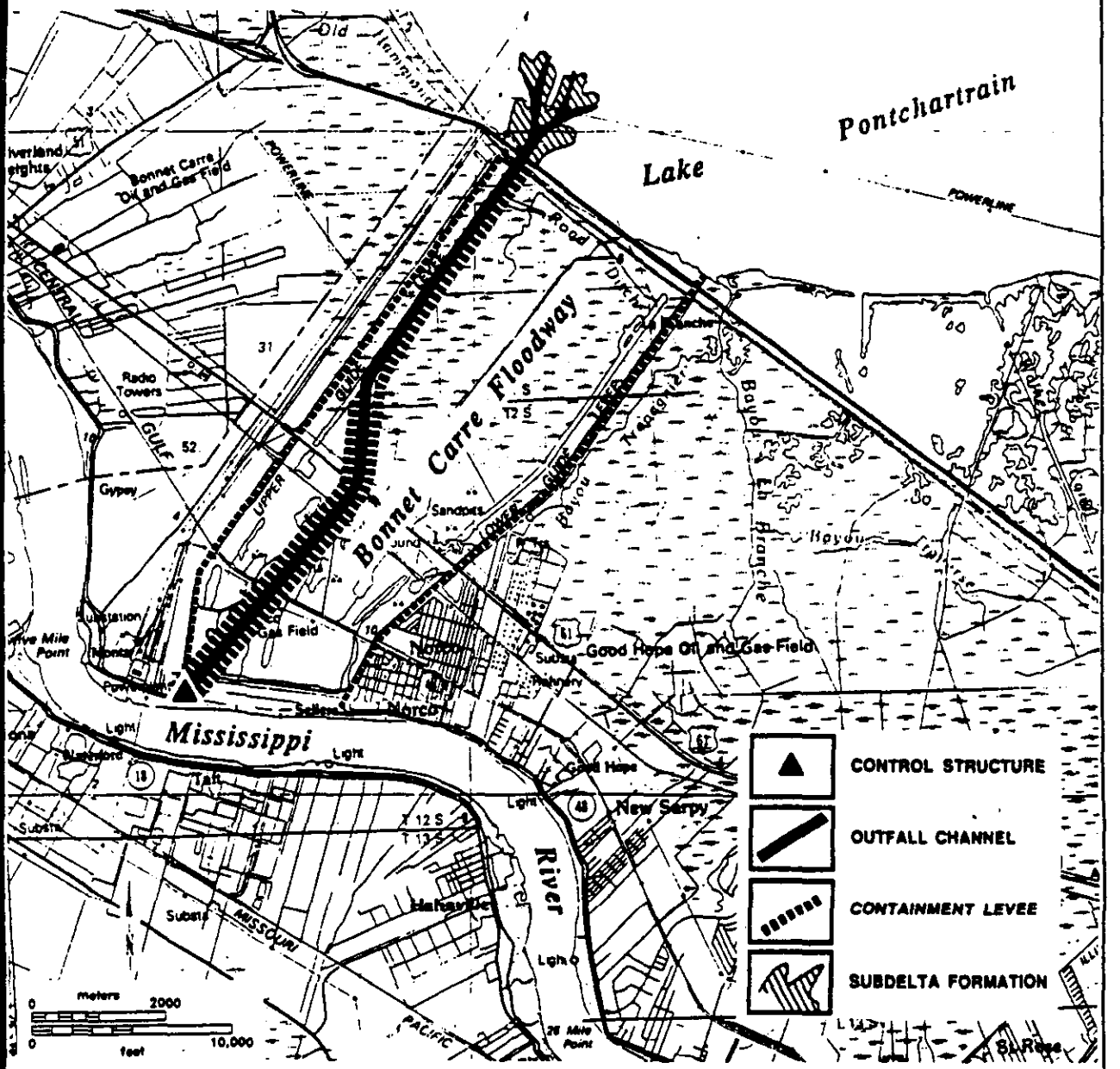
	Initiated*	Completed*
Feasibility	12/3/90	3/91
Planning		(5/91)
Eng./Design		(6/91)
Permitting	3/91	(7/91)
Construction	8/91	(11/91)
Oper./Maint./Mont.	1/92	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Draft scope of feasibility, planning, and design being negotiated with St. Charles Parish.

4. Additional comments. None



PO-4. BONNET CARRÉ FRESHWATER DIVERSION

Hydrologic Basin: Pontchartrain
Parish: St. Charles
Acreage Benefitted: 10,500

Purpose and Need: The reduction of salinities in Breton Sound and Mississippi Sound for oyster production.

Project Description: A structure would divert up to 30,000 cfs of Mississippi River water through the Bonnet Carré Spillway into Lake Pontchartrain. Suspended sediment, in combination with outfall management could result in the development of a small subdelta in the lake at the end of the outfall channel. Cost sharing from the Trust Fund is proposed to the extent that the diversion will benefit marshes.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-4

PROJECT NAME Bonnet Carre' Freshwater Diversion

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

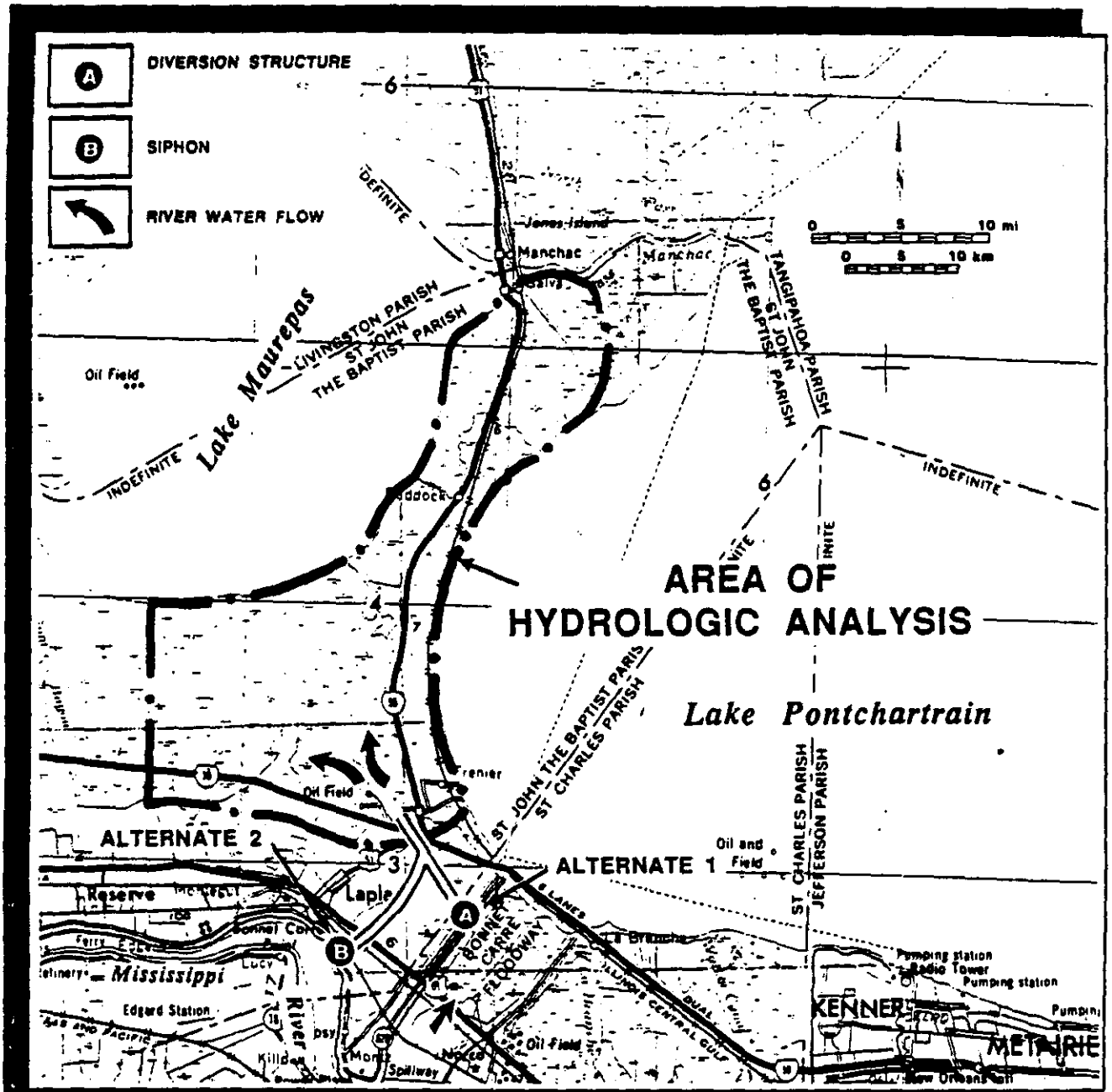
	Initiated*	Completed*
Feasibility	9/76	3/84
Planning	4/84	8/90
Eng./Design	(4/91)	
Permitting		8/90
Construction	(8/95)	
Oper./Maint./Mont.	(4/2000)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Local Cost Agreement under Corps of Engineers review. Expect signatures in May. $76 million construction estimate. $15 million state funds total. $1 million to come from Trust Fund, additional amount to be provided by capitol outlay bill.



PO-5a/5b. SOUTHEAST LAKE MAUREPAS WETLAND

Hydrologic Basin: Pontchartrain
Parish: St. John the Baptist
Acreage Benefitted: 5,000

Purpose and Need: Provide for forest regeneration or a transition to marsh rather than open water, by implementing hydrologic restoration measures.

Project Description: Evaluate hydrological factors that are contributing to the decreasing productivity of the swamps south of Lake Maurepas and, if feasible, implement measures to ameliorate present, adverse hydrologic conditions. Determine the feasibility of water diversion from the Bonnet Carre Floodway or a siphon from the Mississippi River to input sediment and nutrients.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-5a

PROJECT NAME Southeast L. Maurepas Ponding Reduction

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(6/91)	(6/92)
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-5b

PROJECT NAME Southeast L. Maurepas Freshwater Diversion

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

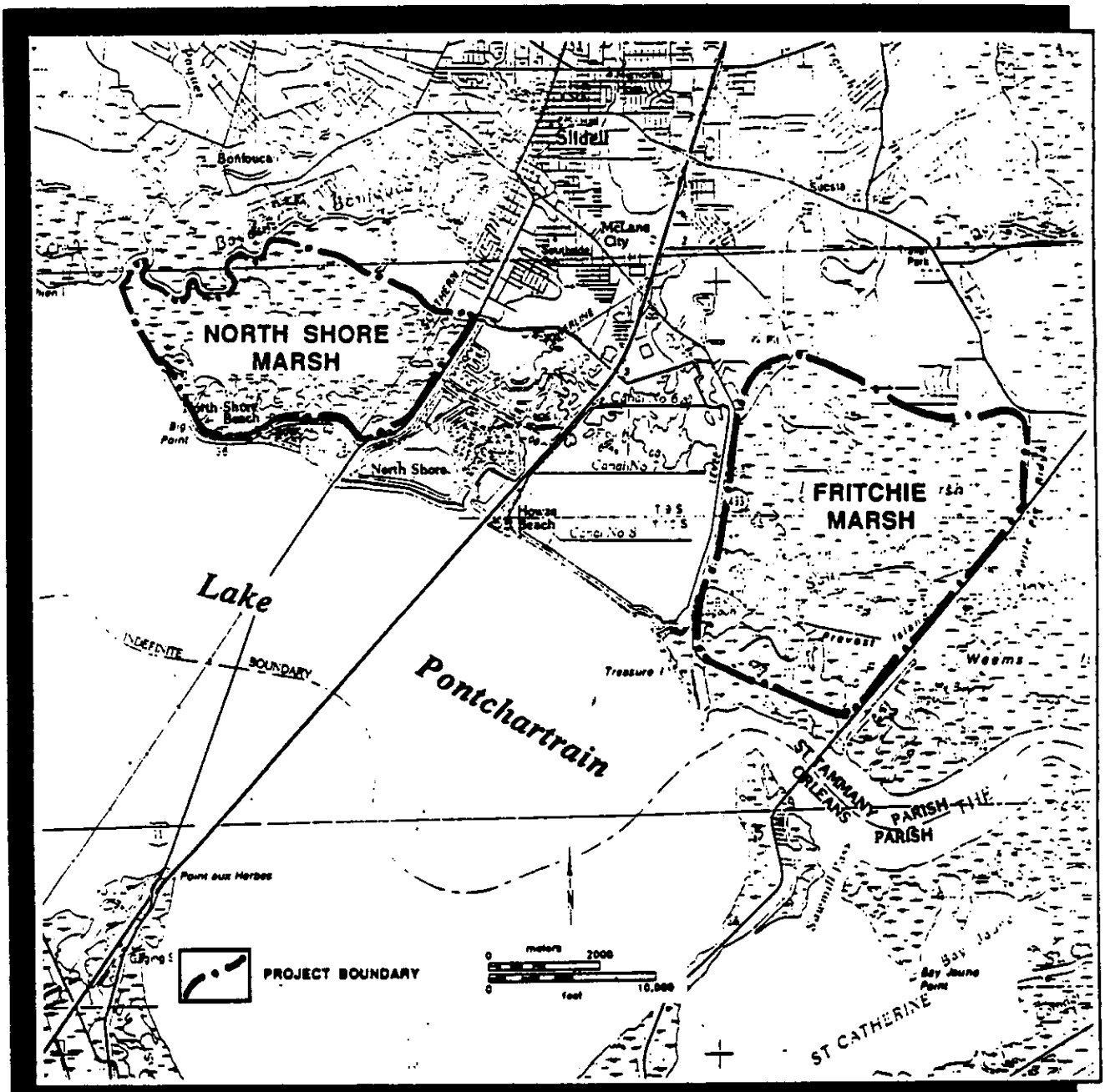
	Initiated*	Completed*
Feasibility	(6/91)	(6/92)
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments.



PO-6/7. FRITCHIE WETLANDS/NORTH SHORE WETLANDS

Hydrologic Basin: Pontchartrain
Parish: St. Tammany
Acreage Benefitted: 9,000

Purpose and Need: Much of the interior wetlands of these two marsh areas has been lost to open water. The causes for this loss are not understood. Location of these marshes gives importance particularly to water-quality-related aspects of Lake Pontchartrain.

Project Description: The project will determine the feasibility of marsh restoration.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-6

PROJECT NAME Fritchie Marsh Restoration

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	2/91	(6/91)
Planning	2/91	(6/91)
Eng./Design	(7/91)	
Permitting	(7/91)	
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Initial contacts have been made with the Parish to coordinate feasibility and plan development.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-7

PROJECT NAME North Shore Wetland Marsh Restoration

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

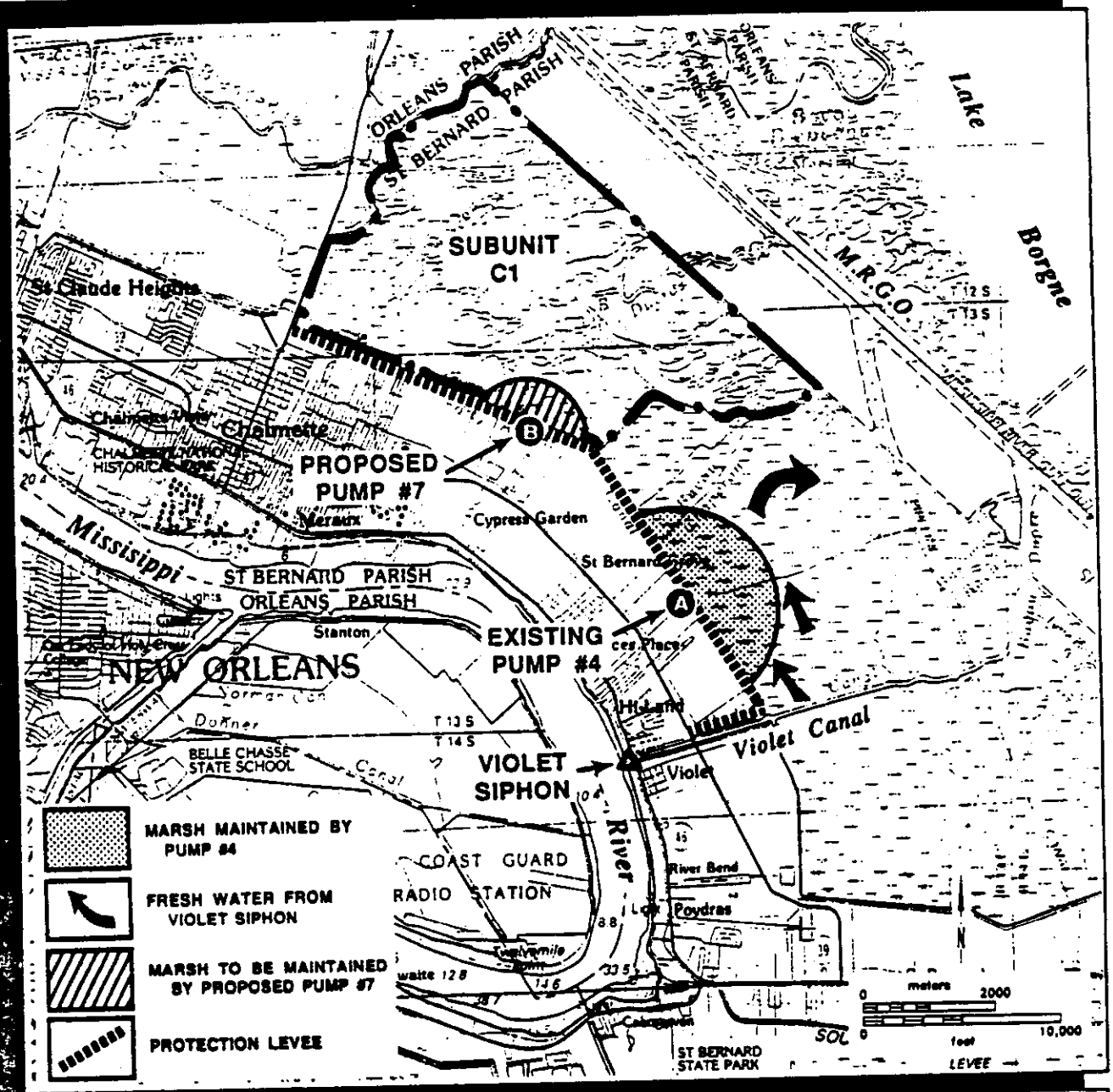
	Initiated*	Completed*
Feasibility	2/91	(6/91)
Planning	2/91	(6/91)
Eng./Design	(7/91)	
Permitting	(7/91)	
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Initial contacts have been made with the Parish to coordinate feasibility and plan development.



PO-8. CENTRAL WETLANDS

Hydrologic Basin: Pontchartrain
Parish: St. Bernard
Acreage benefitted: 300

Purpose and Need: To conserve and enhance wetlands by using drainage-pump outfall in an area between Paris Road and the Violet Canal.

Project Description: The project proposes cost-sharing by the state in construction of pumping station #7. The proposed station #7 will provide freshwater, nurtrients and suspended sediment associated with storm-water runoff to an area of marsh that is unlikely to significantly benefit from the proposed siphon project (PO-1).

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION PO-8

PROJECT NAME Central Wetlands Pump Outfall

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(6/89)	(8/89)
Planning	(8/89)	(10/89)
Eng./Design	(1/90)	(9/90)
Permitting		
Construction	8/21/90	
Oper./Maint./Mont.		

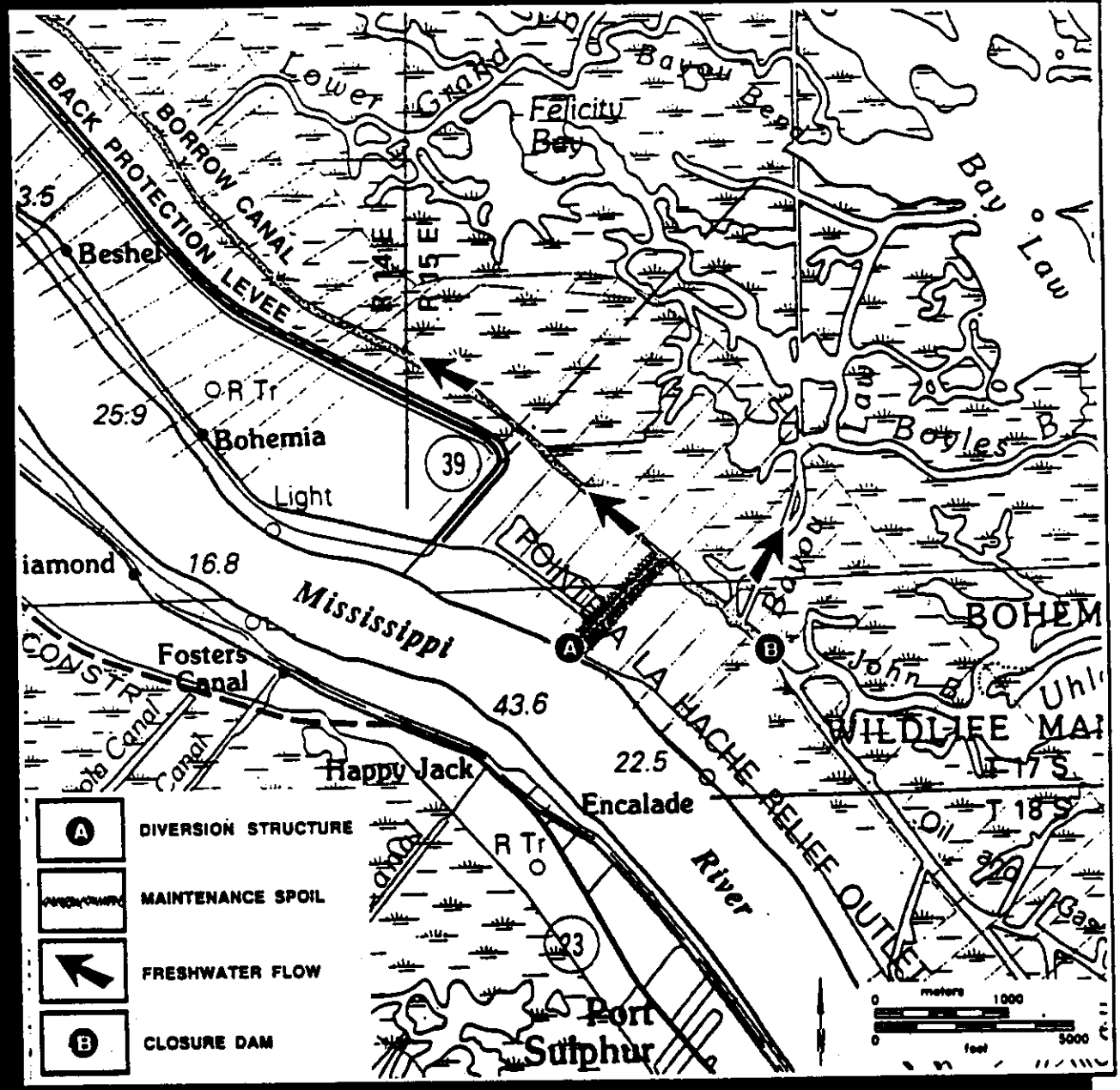
* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.).
None

4. Additional comments. CRD will contribute an amount not to exceed $250,000 toward the construction of pump station #7 to the Lake Borgne Levee District. 50% when project is 50% complete and the remaining 50% upon completion.

BRETON SOUND BASIN



BS-1. BOHEMIA DIVERSION STRUCTURE

Hydrologic Basin: Breton Sound
Parish: Plaquemines
Acreage Benefitted: 1,400

Purpose and Need: To maintain and enhance wetlands by introducing freshwater and sediment from the Mississippi River through rehabilitation of the existing diversion structure and through outfall management.

Project Description: Place the existing diversion structure back in operation. The structure foundation and gate works are in good condition. The inflow and outflow siltation and erosion problems can be solved with dredging and installation of revetments. Effective outfall management and distribution of sediment can be accomplished by closing the borrow canal.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BS-1a

PROJECT NAME Bohemia Rehabilitation

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(4/90)	6/1/90
Planning		
Eng./Design	3/91	
Permitting		
Construction		
Oper./Maint./Mont.		

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. Plaquemines Parish $358,080 for engineering design and construction. $29,000 Brown & Root for feasibility and conceptual design.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Conceptual engineering report by Brown & Root 6/1/90.

4. Additional comments. Cooperative agreement signed by Plaquemines Parish. Engineer/design plans being completed by Brown & Root for rehabilitation of the structure.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BS-1b

PROJECT NAME Bohemia Outfall Managment

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

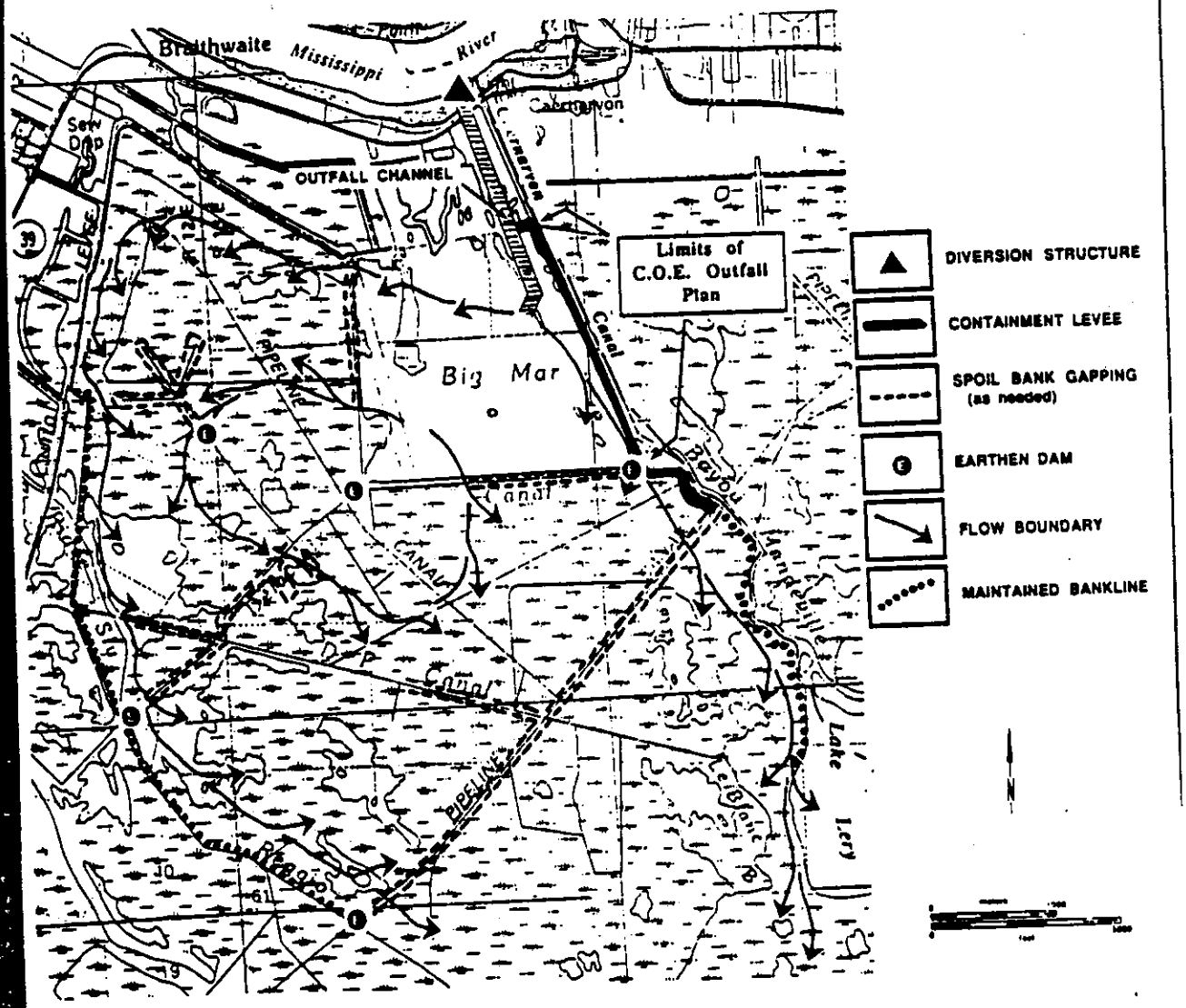
	Initiated*	Completed*
Feasibility	(4/90)	6/1/90
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Conceptual engineering report by Brown & Root 6/1/90.

4. Additional comments. Outfall managment on hold until results of monitoring Breton Sound are completed.



BS-3a. CAERNARVON DIVERSION OUTFALL

Hydrologic Basin: Breton Sound
Parish : Plaquemines
Acreage Benefitted: 25,400

Purpose and Need: The outfall management project is needed to achieve the highest possible retention of the sediment/nutrient resources in the wetland area. The project will direct the flow of water, nutrients, and sediment into the marshes in order to halt and reverse deterioration.

Project Description: This project includes lengthening the outfall containment levee, constructing earthen dams, and removing elevated spoil banks to direct diversion discharge away from major channels and into the marsh/shallow pond areas.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BS-3a

PROJECT NAME Caernarvon Diversion Outfall

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

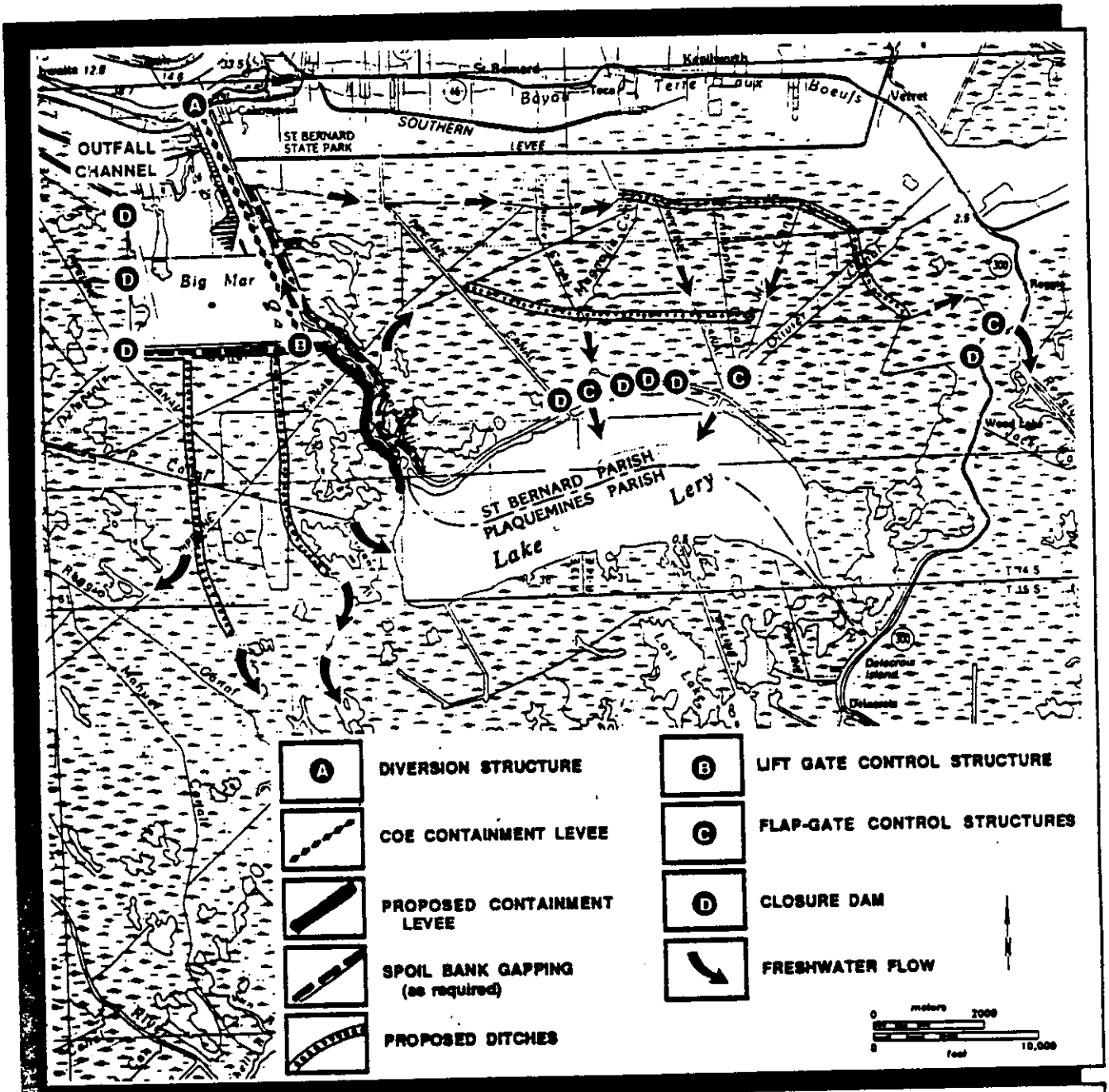
	Initiated*	Completed*
Feasibility	(6/1/91)	
Planning	(6/1/91)	
Eng./Design	(6/1/91)	
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Outfall Management Plan will be initiated after operation of the structure begins.



BS-3b. CAERNARVON DIVERSION OUTFALL

Hydrologic Basin: Breton Sound
Parish : St. Bernard
Acreage Benefitted: 24,000

Purpose and Need: The outfall management project is needed to achieve the highest possible retention of the sediment/nutrient resources in the wetland area. The project will enhance the movement of fresh, sediment-laden water into the marsh north of Lake Lery in order to halt and reverse the process of deterioration.

Project Description: This project includes enhancement of flow from the Caernarvon Canal into the marsh and the installation of water-control structures to increase residence time of sediment-laden water into the marsh following overflow during high tides. Certain spoil banks will be gapped and water movement through the marsh improved.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BS-3b

PROJECT NAME Caernarvon Diversion Outfall

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

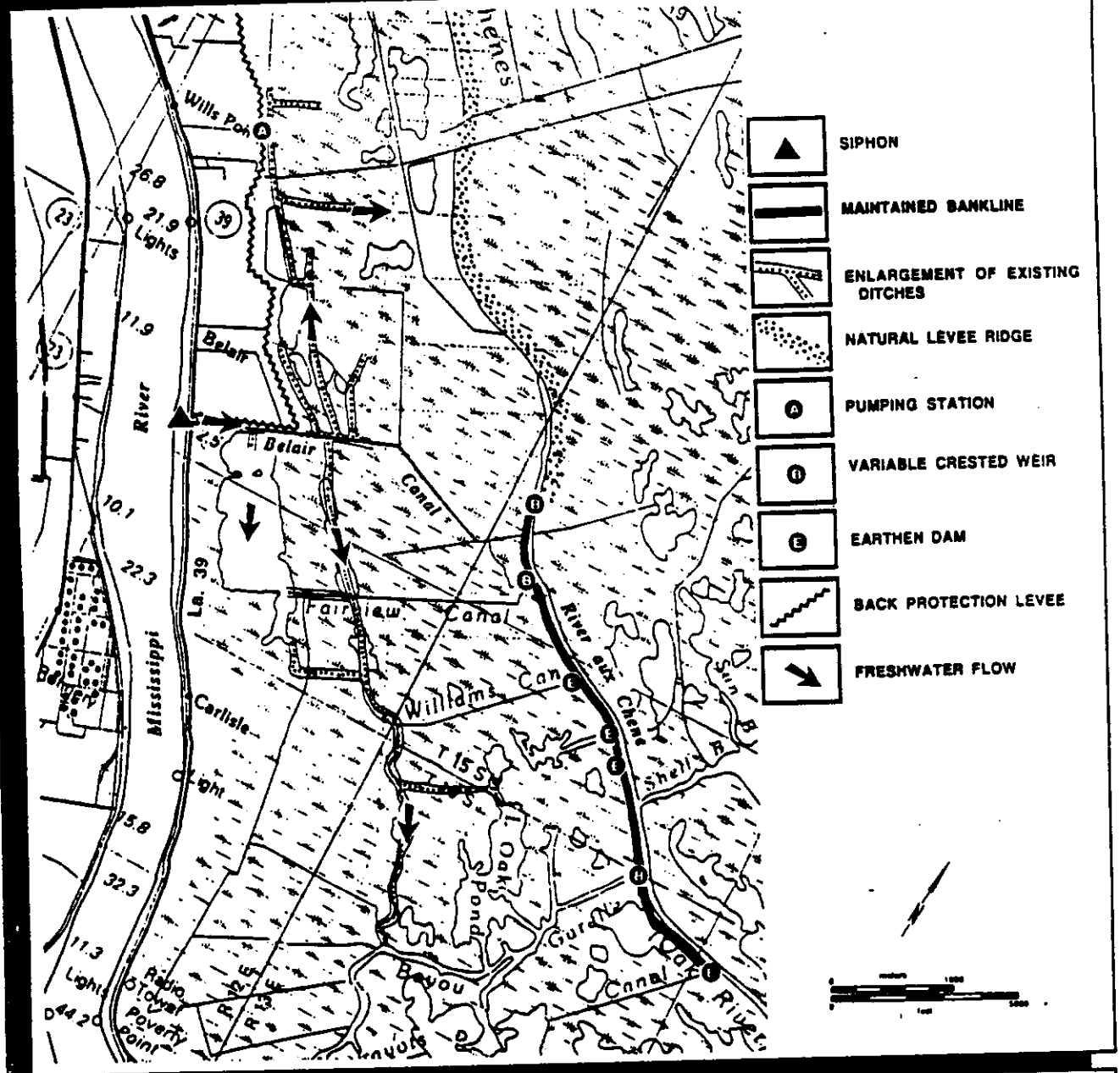
	Initiated*	Completed*
Feasibility	(6/1/91)	
Planning	(6/1/91)	
Eng./Design	(6/1/91)	
Permitting		
Construction		
Oper./Maint./Mont.		

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Outfall management plan will be initiated after operation of the structure begins. Funding fiscal 91-92.



BS-4. WHITE'S DITCH DIVERSION SIPHON

Hydrologic Basin: Pontchartrain
Parish : Plaquemines
Acreage Benefitted: 6,500

Purpose and Need: The enlargement and outfall management project is designed to direct the flow of diverted Mississippi River water, nutrients, and sediment into deteriorating wetlands that are unlikely to benefit from the Caernarvon Diversion.

Project Description: The present outfall canal allows expansion of the siphon structure with four 6-ft-diameter pipes. Outfall will be managed with a system of water control structures that will provide for greatest use of diverted materials by routing water through the marshes. The average volume of fine sediments that will be available for marsh enhancement is 88,000 cu yds per year.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BS-4a

PROJECT NAME White's Ditch Enlargement

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	12/89	3/23/90
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $20,000 engineering study by Brown & Root.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Conceptual engineering report completed 3/23/90. Partial enlargement (two siphons) in lieu of 4 siphons as originally planned was recommended.

4. Additional comments.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BS-4b

PROJECT NAME White's Ditch Outfall Management

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

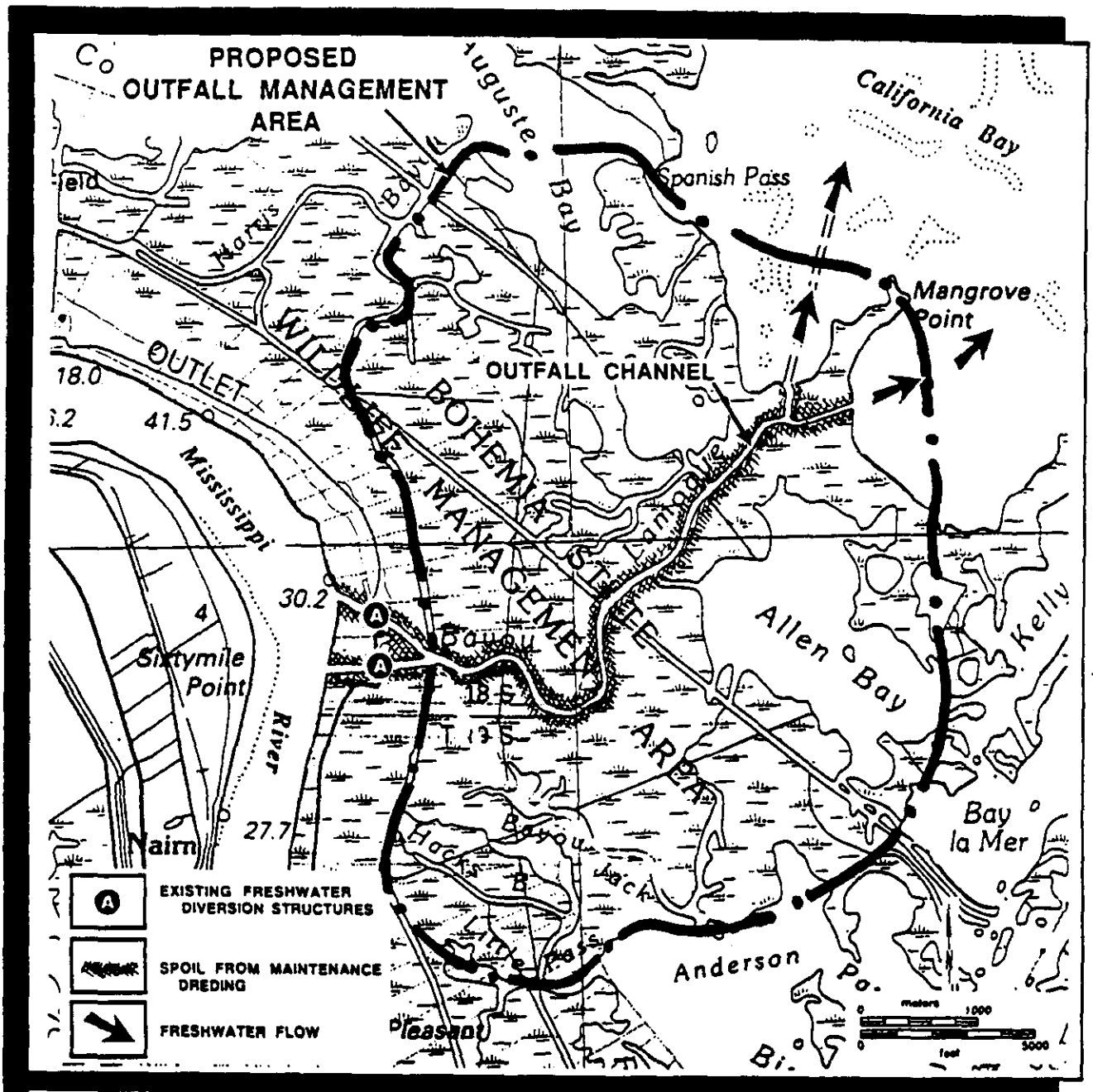
	Initiated*	Completed*
Feasibility	(12/89)	3/23/90
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Conceptual 3/23/90. Outfall management plan cannot be completed until additional capacity is complete.

4. Additional comments. Outfall plan can not be implemented until results of White's Ditch modeling is known.



BS-5. BAYOU LAMOQUE DIVERSION

Hydrologic Basin: Breton Sound
Parish: Plaquemines
Acreage Benefitted: 2,400

Purpose and Need: To offset subsidence and build new marsh by conserving sediment within the marshland.

Project Description: The present diversion structure delivers sediment-laden water from the Mississippi River to the estuary. However, the suspended load remains largely unutilized for marsh benefits. This project will determine the feasibility of trapping sediment by diverting water through the adjacent marshes.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BS-5

PROJECT NAME Bayou Lamoque Diversion Outfall

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	11/1/90	12/10/90
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

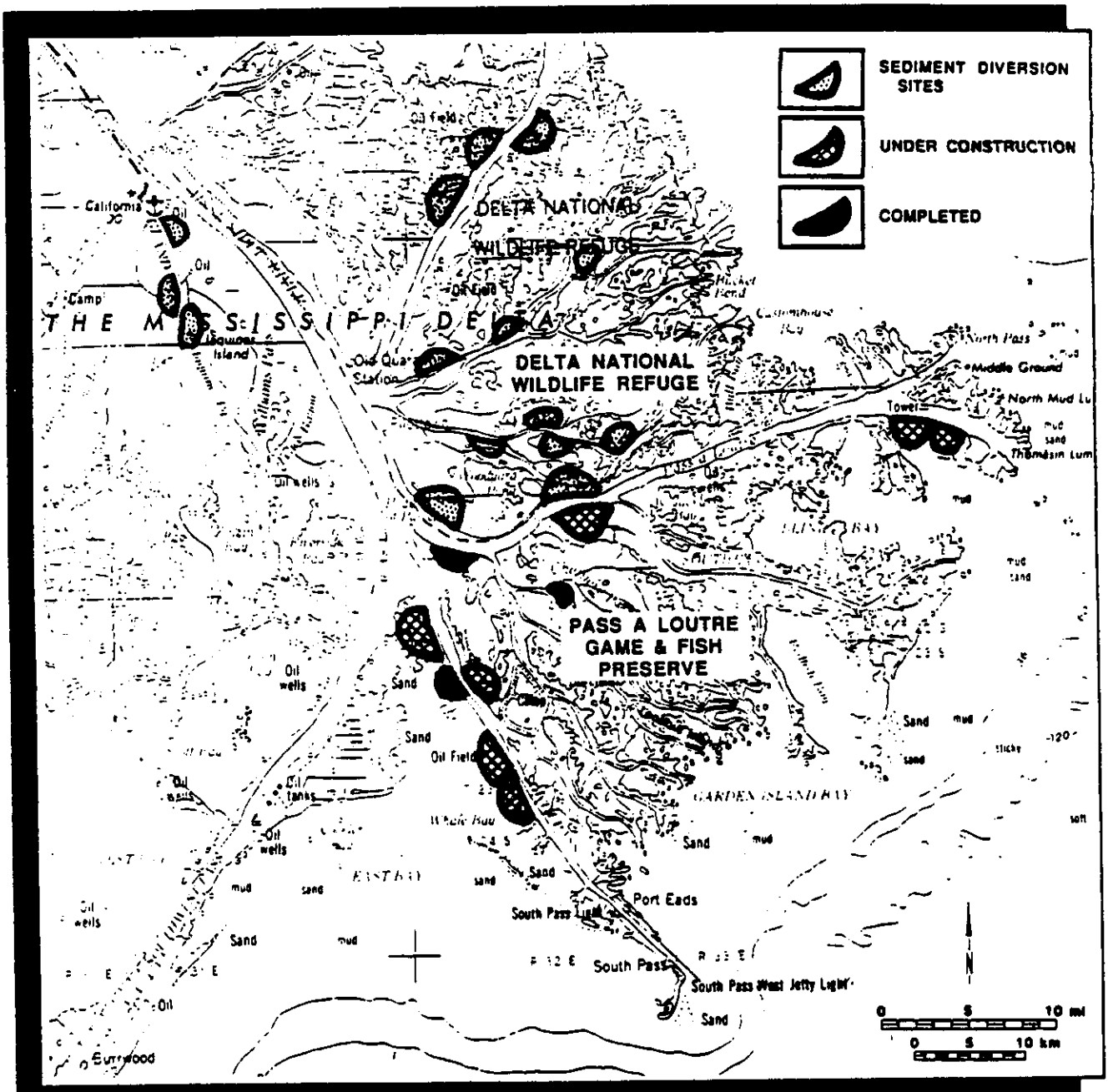
* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $20,000 conceptual engineering study by Brown & Root.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Conceptual report by Brown & Root completed 12/10/90. Recommends installation of 14 - 75' x 72' pipes and 28-50" diameter pipes to divert water into the outfall area.

4. Additional comments.

MISSISSIPPI RIVER DELTA



MR-1. SMALL SEDIMENT DIVERSION

Hydrologic Basin: Mississippi River
Parish: Plaquemines
Acreage Benefitted: 5,600

Purpose and Need: Land loss has occurred in the active delta because of a high rate of subsidence. Small diversions will distribute coarse sediment to shallow basins allowing crevasse splays to emerge and vegetation to establish itself.

Project Description: Twenty-one potential sites for marsh restoration have been selected based on water depth, size, and hydrology of the area. A project is initiated by creating a channel from a distributary into an interdistributary basin.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION MR-1

PROJECT NAME Small Sediment Diversions

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	12/89	4/90
Planning	4/90	9/90
Eng./Design		
Permitting	7/90	11/90
Construction		(6/91)
Oper./Maint./Mont.		

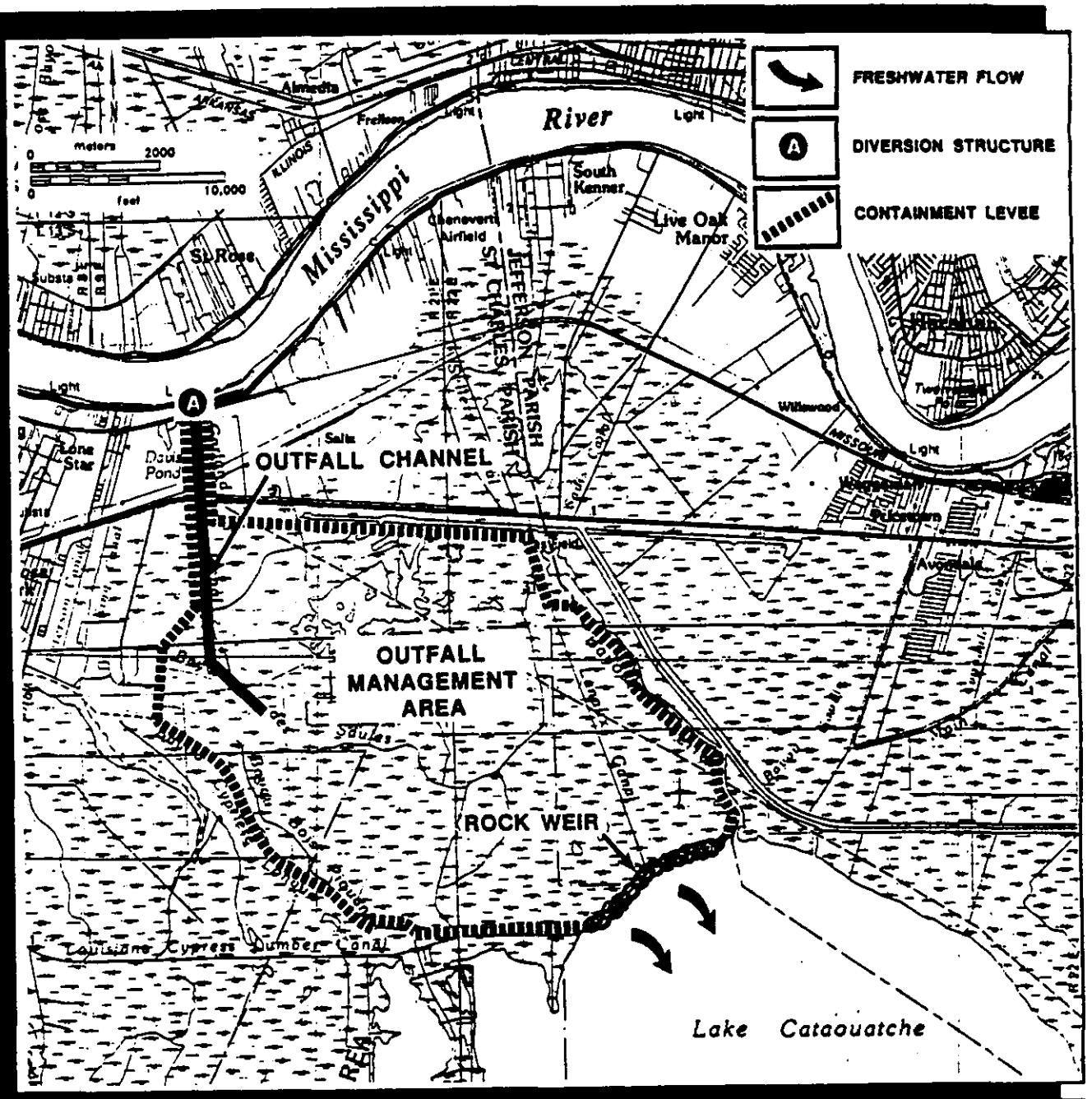
* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $48,000 DNR; Chevron $20,000; National Fish & Wildlife Foundation $20,000; North American Wetlands Council $32,000.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. This project consists of 19 crevasse splays in the Pass A Loutre W.M.A. (four are scheduled for construction during FY91). The budget is as follows: In-kind services: DNR $5,000; U.S. Fish & Wildlife Service $10,000; La. Dept. of Wildlife & Fisheries $5,000; Texaco $7,000. Cash: DNR $387,000; North American Wetlands Conservation Act $258,000; National Fish & Wildlife Foundation $40,000.

BARATARIA BASIN



BA-1. DAVIS POND FRESHWATER DIVERSION

Hydrologic Basin: Barataria
Parish: St. Charles
Acreage Benefitted: 83,000

Purpose and Need: Maintaining and enhancing the existing ecological framework of the basin by providing freshwater, nutrients and sediment to counter saltwater intrusion and help offset subsidence.

Project Description: The proposed project will divert Mississippi River water through the Davis Pond Diversion Structure into a wetland outfall area and into Lake Cataouatche.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-1

PROJECT NAME Davis Pond Freshwater Diversion

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

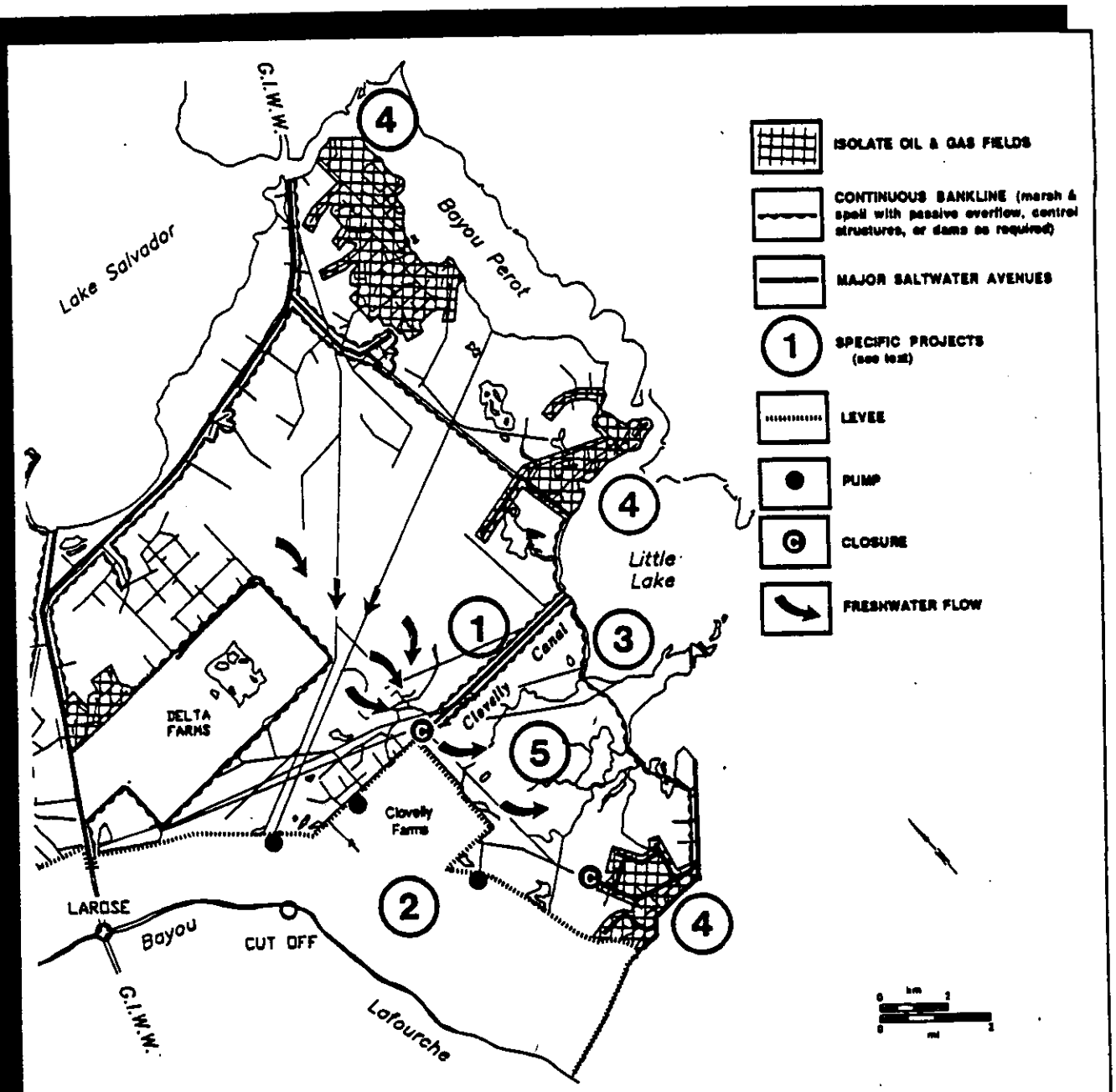
	Initiated*	Completed*
Feasibility	(11/89)	1/1/91
Planning	(11/89)	1/1/91
Eng./Design	2/1/91	(9/1/91)
Permitting	(12/90)	(6/91)
Construction	(1/92)	(12/93)
Oper./Maint./Mont.	(1/94)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). General design memoranda completed by U.S. Corps of Engineers and currently being reviewed.

4. Additional comments. Cost-effectiveness review is scheduled for spring of 1991. No funds required for fiscal 90-91.



BA-2. GIWW TO CLOVELLY WETLAND

Hydrologic Basin: Barataria
Parish: Lafourche
Acreage Benefitted: 60,000

Purpose and Need: To prevent imminent loss of wetlands by retaining and utilizing available freshwater. These wetlands are of great importance to the biological future of the Barataria estuary and to the protection of the levees that surround the developed areas.

Project Description: Greater utilization of freshwater and a reduction of tidal water exchange through enhancement of sheet-flow will restore a more favorable hydrological regime. Both elements can be accomplished and will reduce the rate of saltwater intrusion and associated wetland loss, while maintaining access to the marsh for marine organisms

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-2

PROJECT NAME GIWW to Clovelly

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

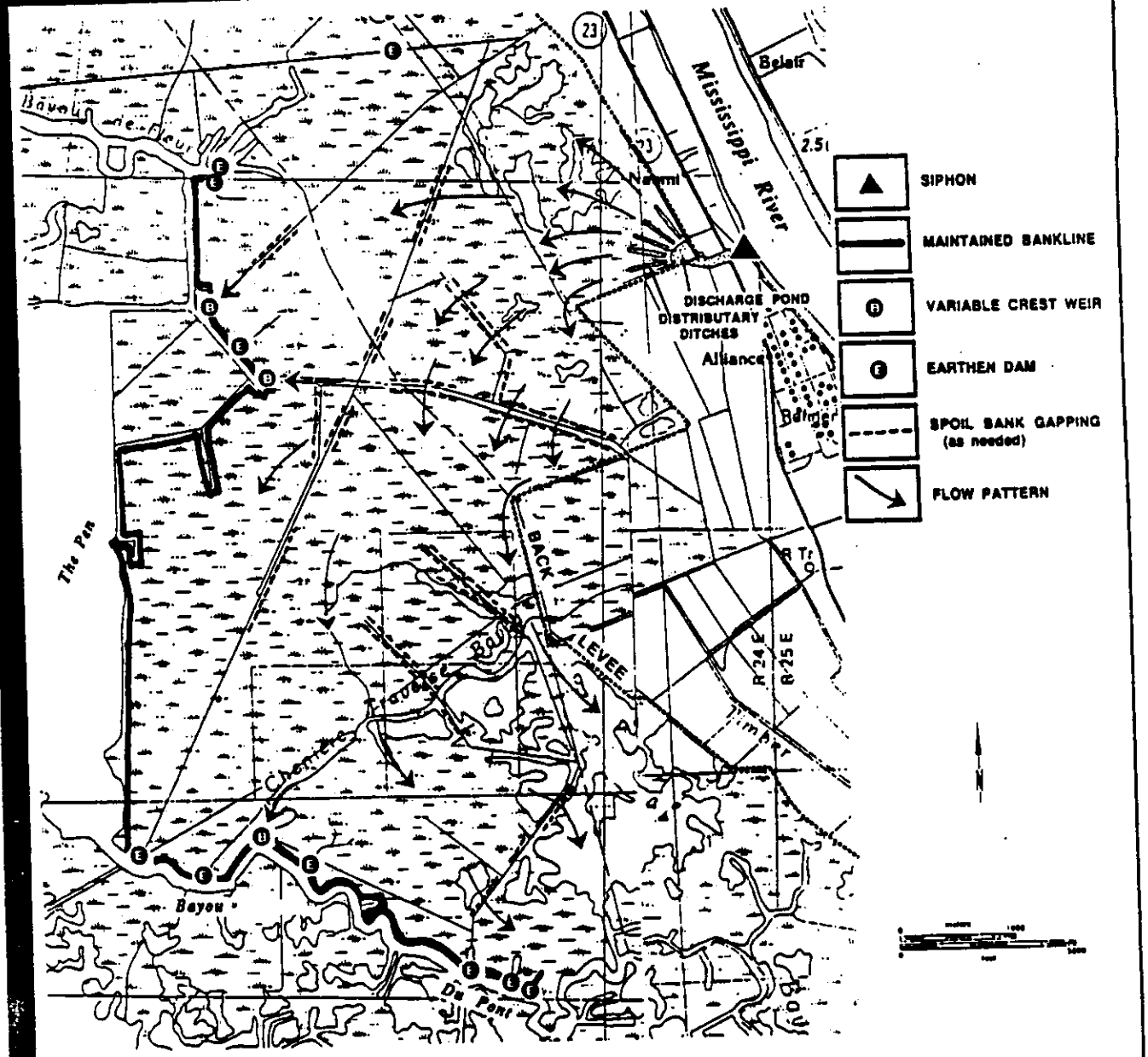
	Initiated*	Completed*
Feasibility	3/87	6/90
Planning	3/87	(6/91)
Eng./Design	3/87	(6/91)
Permitting	10/89	(6/91)
Construction	(7/91)	
Oper./Maint./Mont.	12/90	

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. No contract expenditures.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). SCS Watershed Plan and Environmental Assessment (1987) along with Supplement No. 1 (June 1990) and "Wetland Protection and Maintenance between U.S. Hwy. 90 and the Clovelly Oil and Gas Field in Lafourche Parish" prepared by Coastal Environments contain the basic project plan as outlined in the "Plan". The SCS Watershed Supplement contains a feasibility analysis based on cost:benefit ratio.

4. Additional comments. A monitoring plan was developed on 8/2/90. Ed Fike, Lafourche Parish CZM, will prepare and submit the permit application by 10/15/90. Inter-agency reviews were held 3/21/90 and 7/25/90. A field trip was conducted on 3/22/90. An additional inter-agency and landowner meeting was held on 8/6/90. The final plan and structural measures will be included in the permit application.



BA-3. NAOMI (LAREUSSITE) DIVERSION SIPHON

Hydrologic Basin: Barataria
Parishes : Plaquemines and Jefferson
Acreage Benefitted: 8,200

Purpose and Need: To divert water and associated nutrients and sediments from the Mississippi River into an area of marsh that is rapidly deteriorating as a result of saltwater intrusion and subsidence.

Project Description: The project involves: (1) the construction of six parallel siphons, presently under design, that have a maximum discharge capacity of 2,400 cfs and will deliver nearly 200,000 cu yds of river sediment annually; (2) construction of additional siphons if feasible; and (3) management of the siphon outfall to maximize the use of diverted materials by routing water through the marshes.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-3a

PROJECT NAME Naomi LaReussite Siphon

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(8/89)	(12/89)
Planning	(1/89)	(9/90)
Eng./Design		9/21/90
Permitting		9/21/90
Construction		(6/ 1/92)
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $5,000,000 cooperative agreement with Plaquemines Parish.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Engineering and design completed. Contract bid received awaiting Plaquemines Parish Government award.

4. Additional comments. Plaquemines Parish to cost-share 25 percent.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-3b

PROJECT NAME Naomi Siphon Enlargement

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(9/89)	
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $23,000 Brown & Root engineering feasibility report.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Enlargement appears feasible at this time.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-3c

PROJECT NAME Naomi Siphon Outfall Management

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

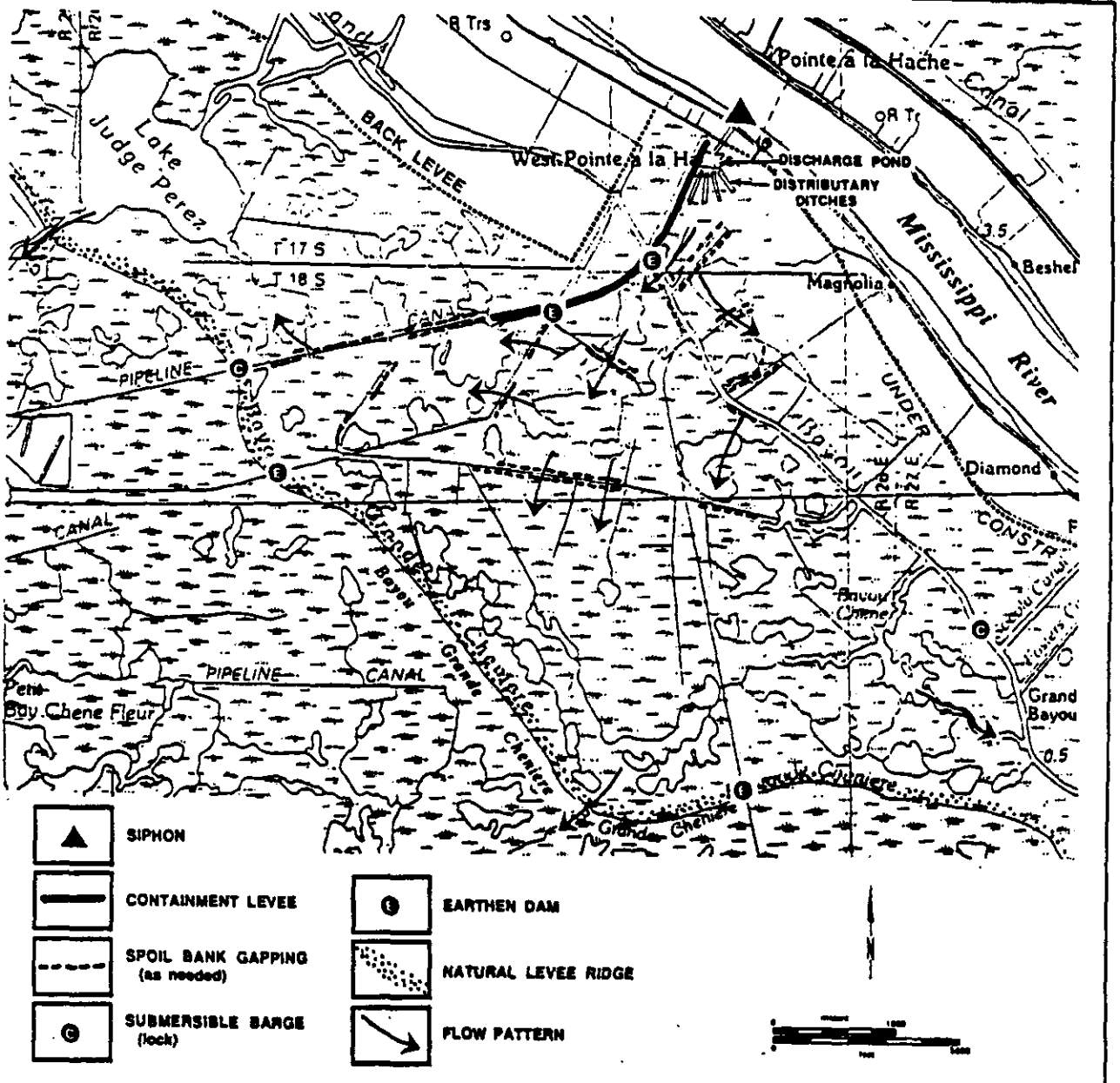
	Initiated*	Completed*
Feasibility	(7/91)	(6/92)
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Construction of siphon should be finished before implementation of outfall management.



BA-4. WEST POINTE A LA HACHE DIVERSION SIPHON

Hydrologic Basin: Barataria
Parish : Plaquemines
Acreage Benefitted: 9,200

Purpose and Need: To divert water and associated nutrients and sediments from the Mississippi River for the maintenance and enhancement of marsh in areas where its presence is most beneficial.

Project Description: The project involves: (1) the construction of six parallel siphons, presently under design, that have a maximum discharge capacity of about 2,000 cfs and will deliver nearly 150,000 cu yds of river sediment annually; (2) construction of additional siphons if feasible; and (3) management of the siphon outfall to maximize the use of diverted materials by routing water through the marshes.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-4a

PROJECT NAME West Pointe A La Hache

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(10/89)	(1/90)
Planning	(12/89)	(4/90)
Eng./Design		6/29/90
Permitting		6/29/90
Construction	12/10/90	(6/1/92)
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $4,500,000 (state cost) cooperative agreement with Plaquemines Parish for engineering design and construction. Local sponsor supporting additional 25 percent costs.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Construction started 12/10/90.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-4b

PROJECT NAME West Pointe A La Hache Enlargement

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	4/90	7/23/90
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $20,000 to Brown & Root for engineering report.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Engineering conceptual report suggests an additional 8-72" pipe be installed diverting an additional 2000 CFS.

4. Additional comments. Additional information must be gathered to determine final feasibility.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-4c

PROJECT NAME West Pointe A La Hache Outfall

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

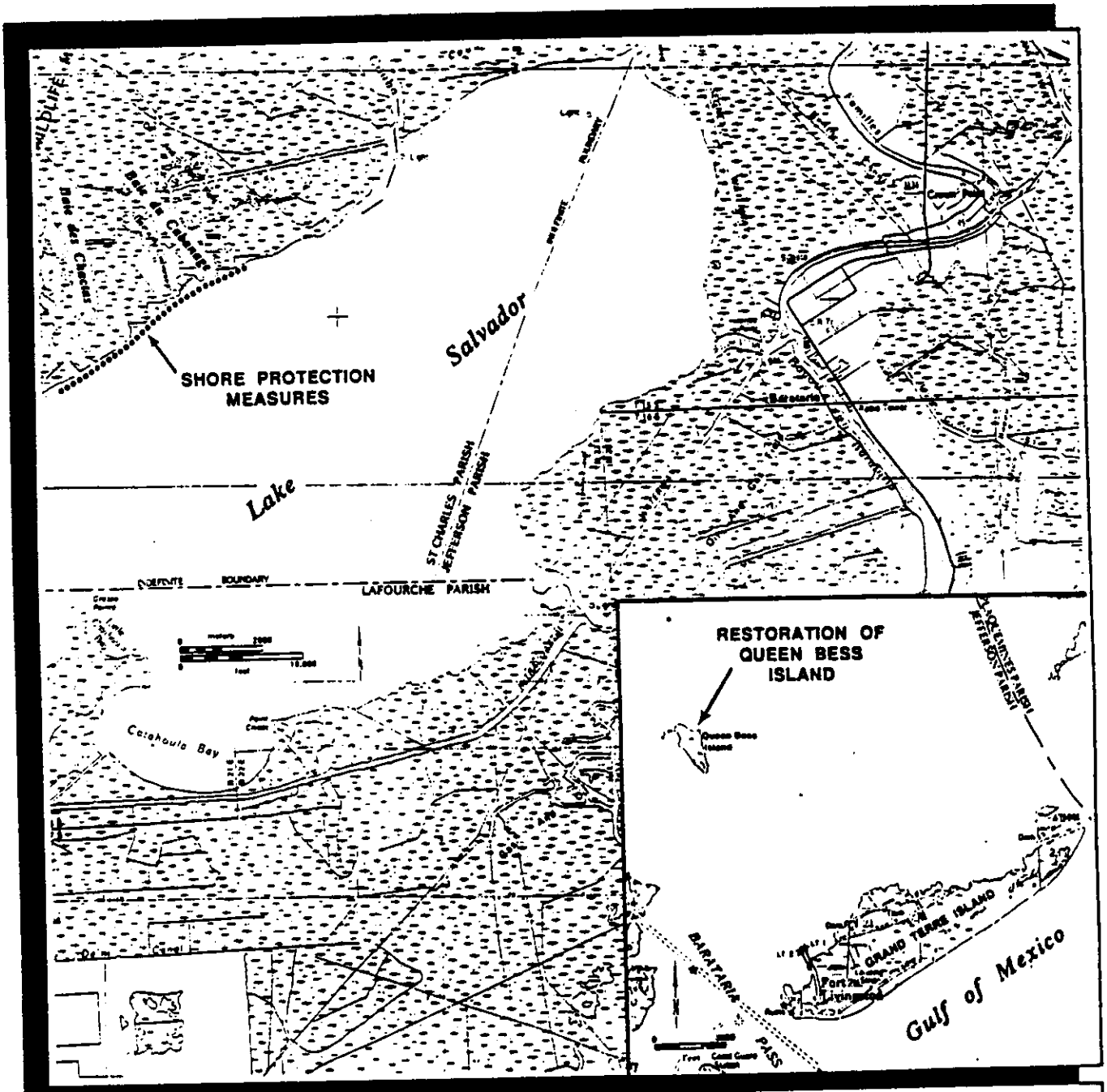
	Initiated*	Completed*
Feasibility	(1/92)	(6/92)
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.).
None

4. Additional comments. This project pending completion of siphon.



BA-5b/5c. QUEEN BESS ISLAND/BAIE DE CHACTAS

Hydrologic Basin: Barataria
Parish: St. Charles and Jefferson
Acreage Benefitted: 9,000

Purpose and Need: To maintain and restore marsh and protect the physical integrity of those shore segments that provide a hydrologic barrier and limit the rate of water exchange between Lake Salvador and adjacent marsh/pond systems.

Project Description: Low-cost shore protection materials, sediment trapping devices, and revegetation may be used to halt erosion. Site specific information is needed before the plans can be finalized. The Queen Bess Island project would restore rookery habitat for brown pelicans.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-5b

PROJECT NAME Queen Bess Island Habitat Restoration (I) Construction

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	7/89	4/90
Planning	3/90	7/90
Eng./Design	3/90	8/90
Permitting	3/90	8/90
Construction	9/90	11/90
Oper./Maint./Mont.	11/90	on-going

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. Funds: $400,000 COE (Federal); $161,250 (State).

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Designs/Drawings (COE); Dredging Contract (COE); Inspection Report (DNR/CRD); Environmental Assessment (COE).

4. Additional comments. LDWF plans to add shell to 3 acre area within the dredge disposal area to enhance nesting area. Shell is being furnished by DRAVO materials to LDWF. COE has added Queen Bess to the list of sites for possible dredge placement under landloss and marsh creation study.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-5b

PROJECT NAME Queen Bess Island Revegetation

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	11/30/90	1/28/91
Planning	11/30/90	1/28/91
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. The Soil Conservation Service will submit a proposal for planting design after viewing the site after settling and dimensions of final project are certain. This proposal will be reviewed by CRD and the plants grown by SCS.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-5c

PROJECT NAME Baie de Chactas Shoreline Protection

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

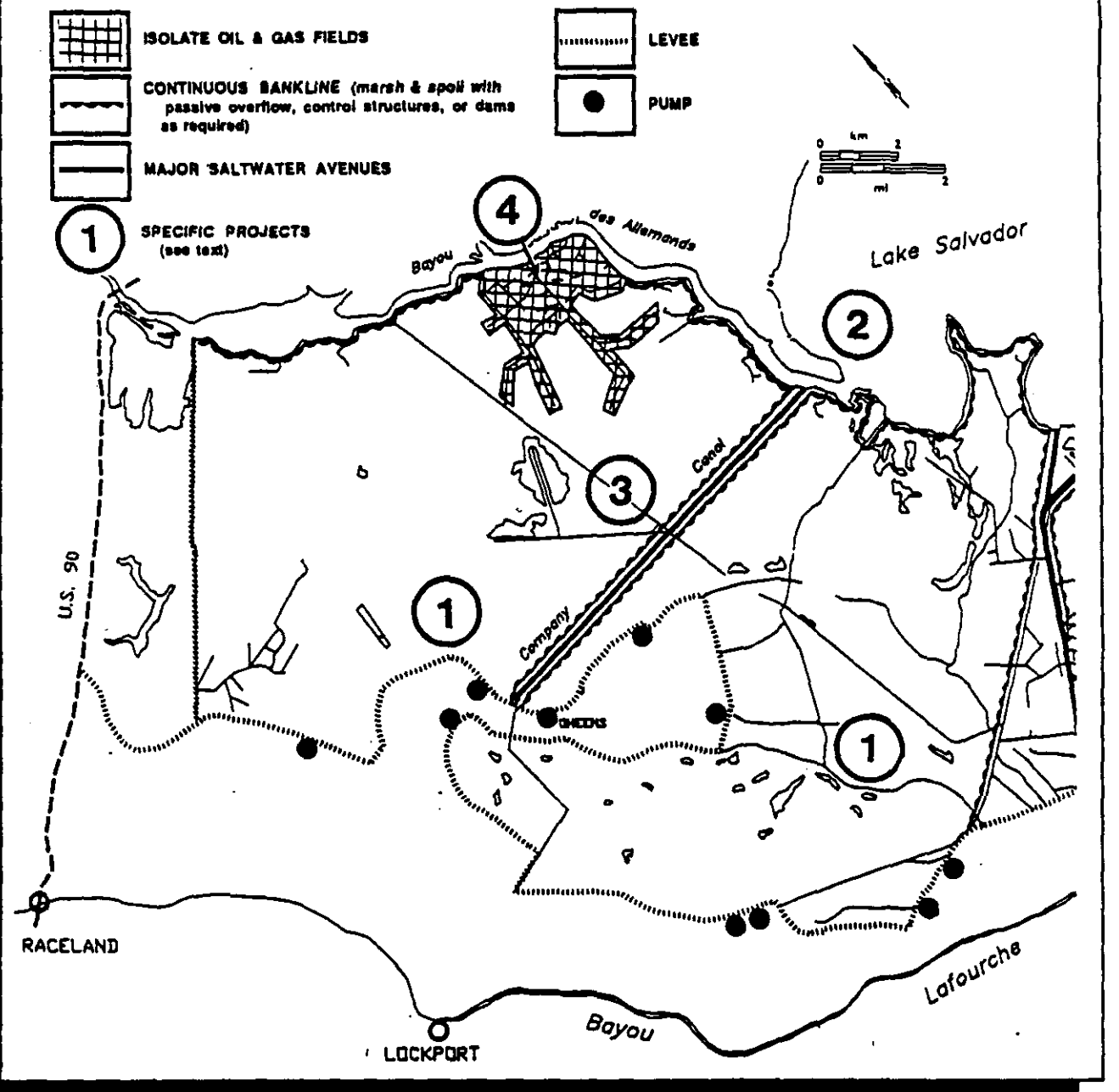
	Initiated*	Completed*
Feasibility	2/16/90	4/17/90
Planning	4/17/90	4/17/90
Eng./Design	4/17/90	7/13/90
Permitting	LDWF	
Construction	10/ 9/90	11/ 2/90
Oper./Maint./Mont.	11/ 2/90	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $175,000 construction bid.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. This project is complete.



BA-6. HIGHWAY 90 TO GIWW WETLAND

Hydrologic Basin: Barataria
Parish: Lafourche
Acreage Benefitted: 60,000

Purpose and Need: To prevent future loss of wetlands by retaining and utilizing available freshwater. These wetlands are of great importance to the biological future of the Barataria estuary and to the protection of the levees that surround the developed areas.

Project Description: Greater utilization of available freshwater and a reduction of tidal water exchange will maintain a favorable hydrological regime. Measures include the use of pump outfall, the isolation of major avenues of saltwater intrusion, and maintenance of the physical integrity of the marsh boundary along major water bodies.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-6

PROJECT NAME Hwy. 90 to GIWW Wetland Protection

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

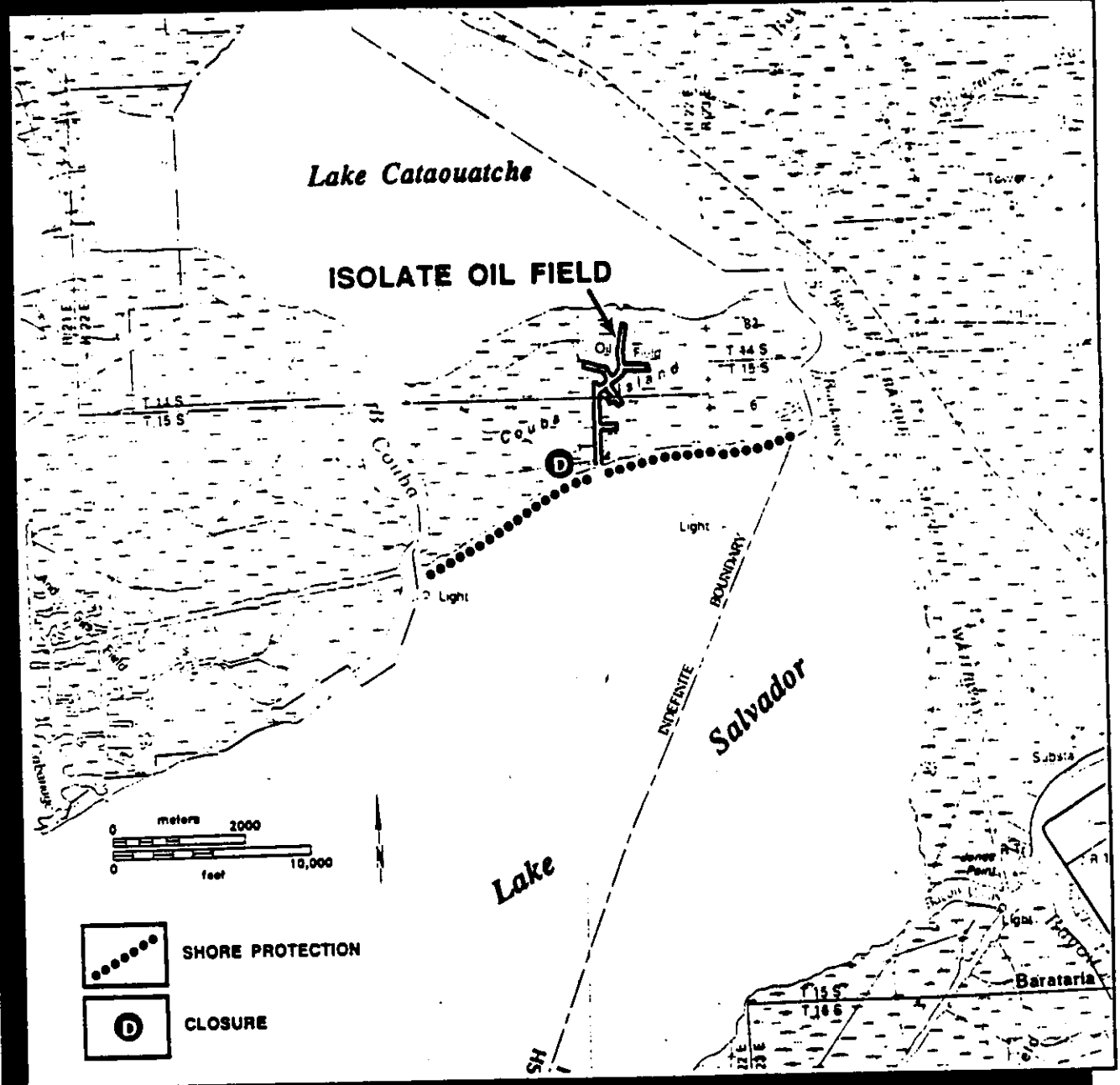
	Initiated*	Completed*
Feasibility	3/87	6/90
Planning	3/87	(6/91)
Eng./Design	3/87	(6/91)
Permitting	10/89	(3/91)
Construction	(11/91)	(11/95)
Oper./Maint./Mont.	12/90	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). The project plan was completed in April 1989 by Coastal Environments, Inc.

4. Additional comments. A permit application was submitted on 10/15/90. The Lafourche Parish Council intends to request that SCS include this area in the SCS Bayou L'Ours Watershed Project. Inclusion in the Watershed project would provide approximately 50% of construction funds from federal watershed appropriations.



BA-7. COUBA ISLAND

Hydrologic Basin: Barataria
Parish: St. Charles
Acreage Benefitted: 2,700

Purpose and Need: To maintain the physical integrity of the island through shoreline protection and restoration of hydrology. Couba Island is important as a hydrologic barrier between Lake Salvador and Lake Cataouatche.

Project Description: The objectives of this project are to determine feasibility, and implement where possible, measures to halt shoreline erosion and the development of new connections between Lake Salvador and interior marshes. Measures are likely to include the restoration of an access canal closure, sediment trapping, planting vegetation, and isolating other access canals.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION BA-7

PROJECT NAME Couba Island Protection & Restoration (Includes Canal Closure & Bank Stabilization)

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	12/10/90	(5/91)
Planning	(6/91)	(7/91)
Eng./Design	(7/91)	(10/91)
Permitting	(7/91)	(10/91)
Construction	(FY 91/92)	(3/92)
Oper./Maint./Mont.	(3/92)	

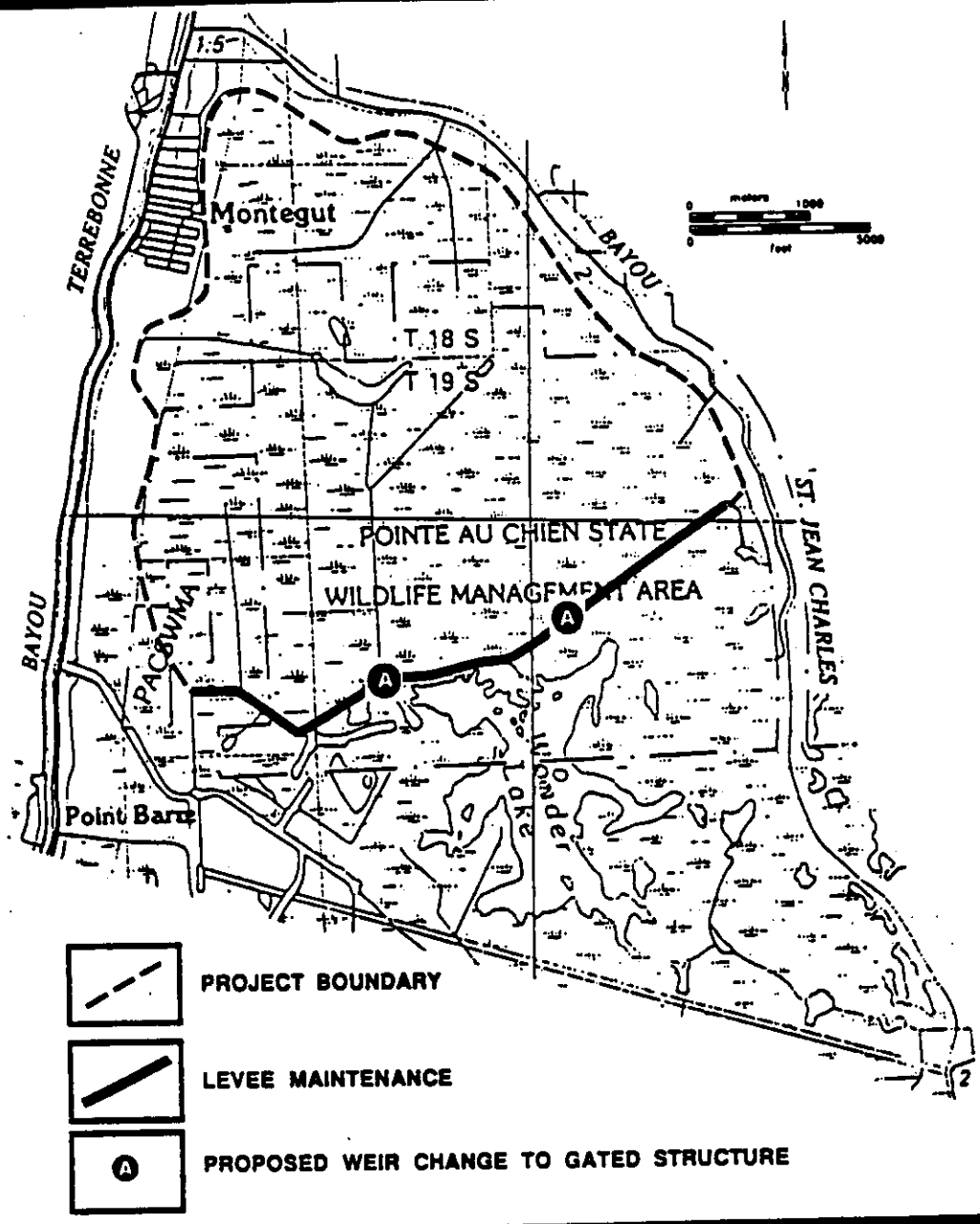
* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. None

TERREBONNE BASIN



TE-1. MONTEGUT WETLAND

Hydrologic Basin: Terrebonne
Parish: Terrebonne
Acreage Involved: 4,200

Purpose and Need: The primary objective of this project is to maintain freshwater retention capability and control over saltwater intrusion in order to protect this deteriorating wetland community. Compaction and subsidence have resulted in a decrease in height of about 5,000 ft of the existing management levee.

Project Description: The project will provide for maintenance of a segment of the existing management levee. The need to replace existing fixed-crest weirs with variable control structures will be evaluated. Greater utilization of freshwater will restore a more favorable hydrological regime.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-1a

PROJECT NAME Montegut Wetland Levee Repair

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	3/90	10/90
Planning	3/90	10/90
Eng./Design	3/90	(5/91)
Permitting	(5/91)	(5/91)
Construction	(8/91)	(10/91)
Oper./Maint./Mont.		

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Geo-technical investigations have been scheduled. Engineering design surveys are complete. Final design will depend on outcome of geo-technical investigations. A coopertive agreement is under development. Cost estimates cannot be completed until a final engineering design is selected.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-1b

PROJECT NAME Montegut Wetland Protection & Enhancement

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

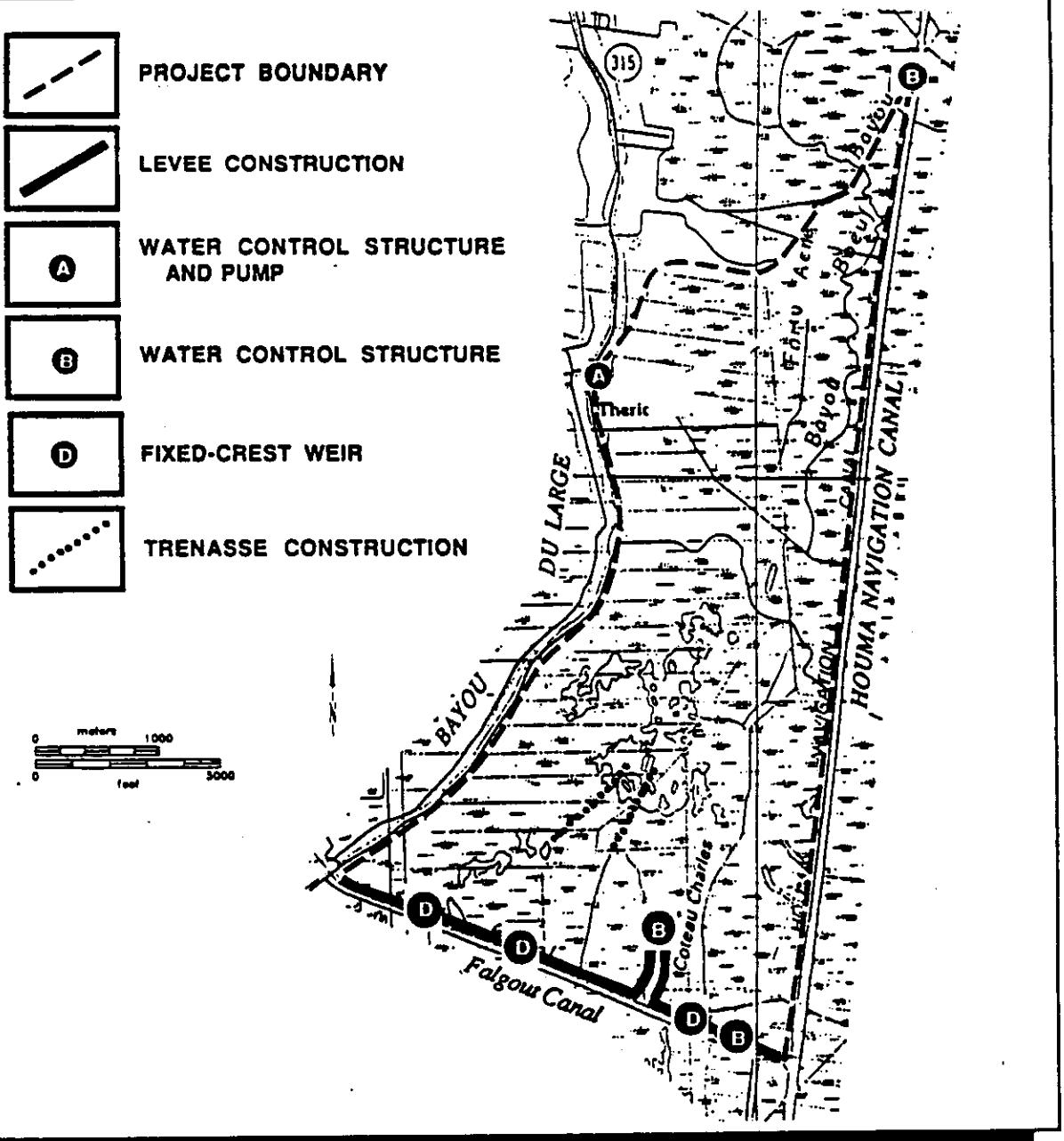
	Initiated*	Completed*
Feasibility	9/90	1/91
Planning	9/90	1/91
Eng./Design	9/90	3/91
Permitting	2/91	(5/91)
Construction	(4/91)	(6/91)
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).
None - The Project Plan is 90% complete.

4. Additional comments. All field investigations for plan development are complete. The plan will be completed as soon as structure operation schedules, salinity data (from LDWF), historic tide gauge readings, and final structure sites are selected. After completion of the plan, CRD will forward to LDWF for permitting.



TE-2. FALGOUT CANAL WETLAND

Hydrologic Basin: Terrebonne
Parish: Terrebonne
Acreage Benefitted: 4,000

Purpose and Need: This area experiences a significant loss of wetlands and an increase in salinities. The primary objectives of this project are to improve freshwater retention and restore vegetation by moderating water flux and tidal energy in the deteriorating wetland community.

Project Description: Greater utilization of freshwater will restore a more favorable hydrological regime. The use of levees and control structures will allow reduction of the rate of saltwater intrusion and the associated wetland loss.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-2 (I)

PROJECT NAME Falgout Canal Protection and Enhancement (Phase I)

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	1/90	10/90
Planning	1/90	10/90
Eng./Design	1/90	10/90
Permitting	5/90	10/90
Construction	10/90	(7/91)
Oper./Maint./Mont.	(7/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. DNR Contract No. 25020-90-10 - $401,833.88

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Geo-Technical Report, Project Plan, Permit Modification.

4. Additional comments. Construction commenced on 10/19/90 and is substantially completed.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-2 (II)

PROJECT NAME Falgout Canal Protection and Enhancement (Phase II)

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

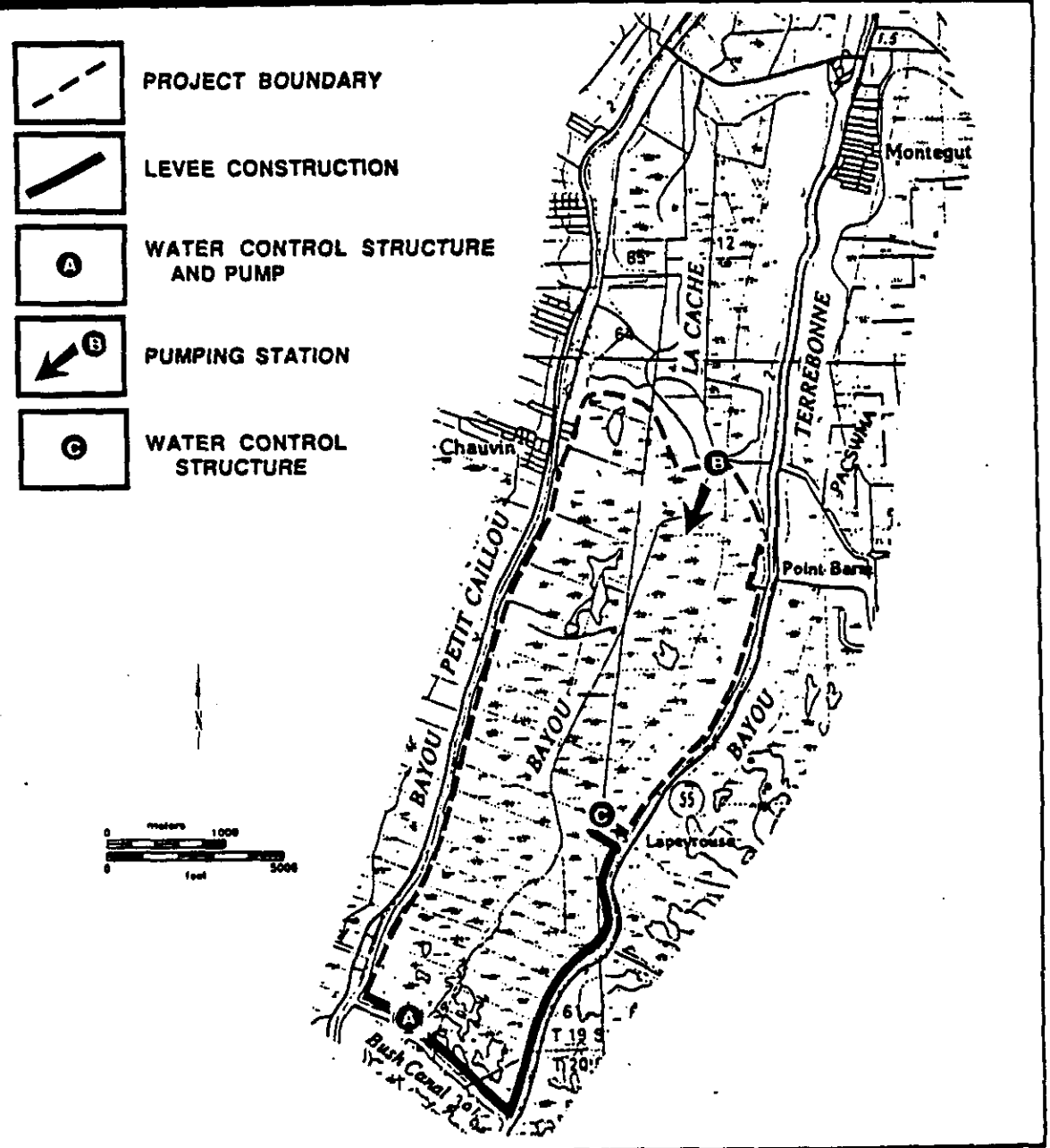
	Initiated*	Completed*
Feasibility	1/90	3/91
Planning	1/90	3/91
Eng./Design	1/90	5/91
Permitting	5/90	10/90
Construction	(4/91)	(6/91)
Oper./Maint./Mont.	(6/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Revised Project Plan, Permit modifications, Geo-Technical Reports, Monitoring Plan.

4. Additional comments. All plans are complete, and permits obtained. Final structure designs are under development. The final construction phase and shoreline erosion control plantings are scheduled for completion by June 1991.



TE-3. BAYOU LACACHE WETLAND

Hydrologic Basin: Terrebonne
Parish: Terrebonne
Acreage Benefitted: 4,250

Purpose and Need: This area has and continues to experience a significant loss of wetlands and an increase in salinities. The primary objectives of this project are to improve freshwater retention and restore vegetation by moderating water flux and tidal energy in the deteriorating wetland community.

Project Description: Greater utilization of freshwater will restore a more favorable hydrological regime. The use of levees and control structures will allow reduction of the rate of saltwater intrusion and the associated wetland loss.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-3 (I) & (II)

PROJECT NAME Bayou LaCache Protection & Enhancement (Phase I & II)

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

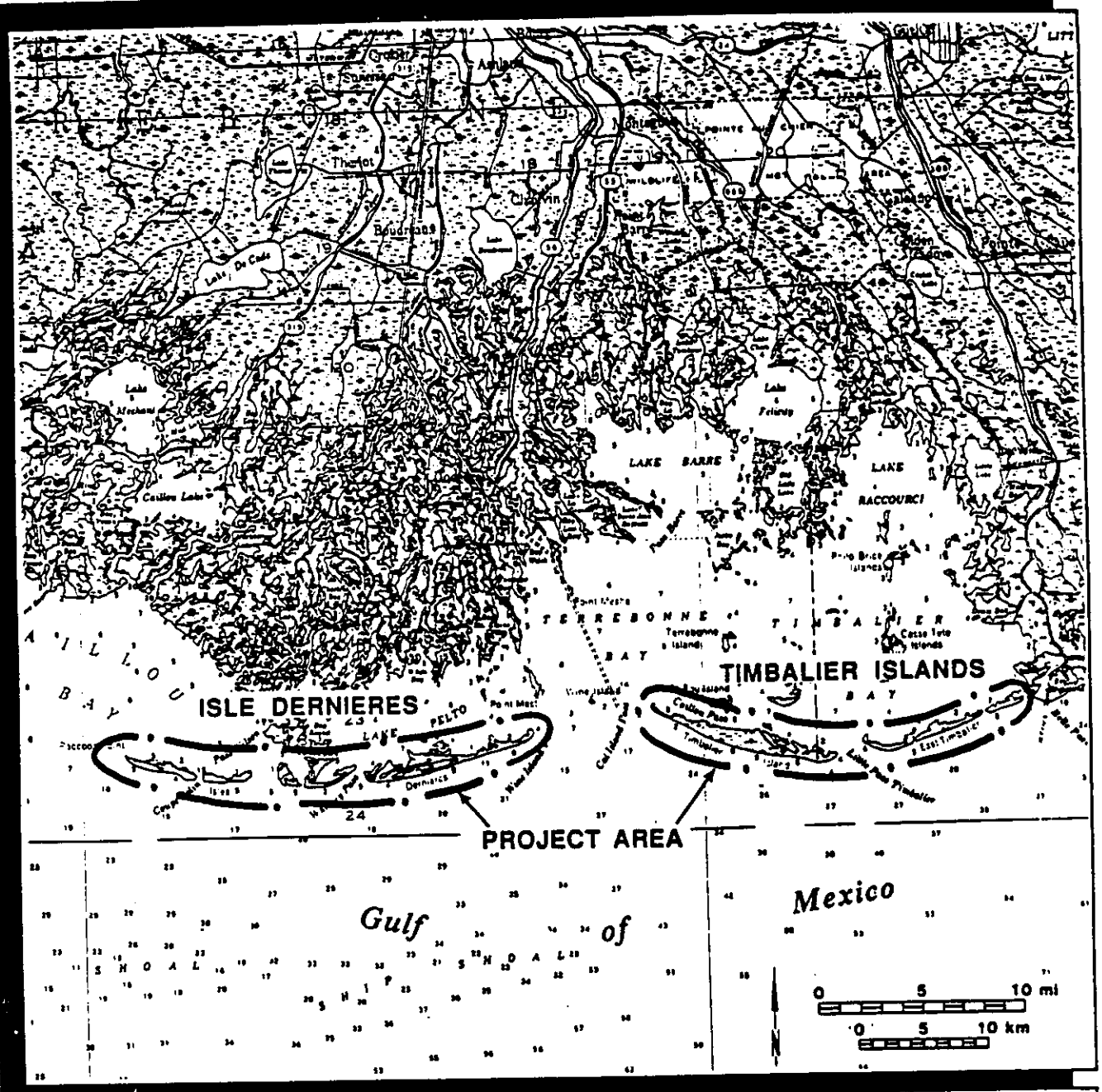
	Initiated*	Completed*
Feasibility	1/90	3/91
Planning	4/90	(4/91)
Eng./Design	4/90	(5/91)
Permitting	(2/91)	(4/91)
Construction	(7/91)	(9/91)
Oper./Maint./Mont.	(9/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. Phase I - $266,679 General Funds; $88,893 Local.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Project Plan, Monitoring Plan, Geo-Technical Report.

4. Additional comments. One structure and two plugs have been added to manage pump outfall. Improvement to pump inlet channel have been added.



TE-4b. BARRIER ISLAND SAND RETENTION

Hydrologic Basin: Terrebonne
Parish: Terrebonne
Acreage benefitted: 1,000

Purpose and Need: To enhance conservation of the limited sand supply of the islands. Breaching and washover of the islands adversely affect the physical integrity of the islands and associated marshes.

Project Description: The project proposes to construct sand fences and plant vegetation to enhance sediment retention and development of low dunes.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-4b

PROJECT NAME Barrier Island Sand Retention

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

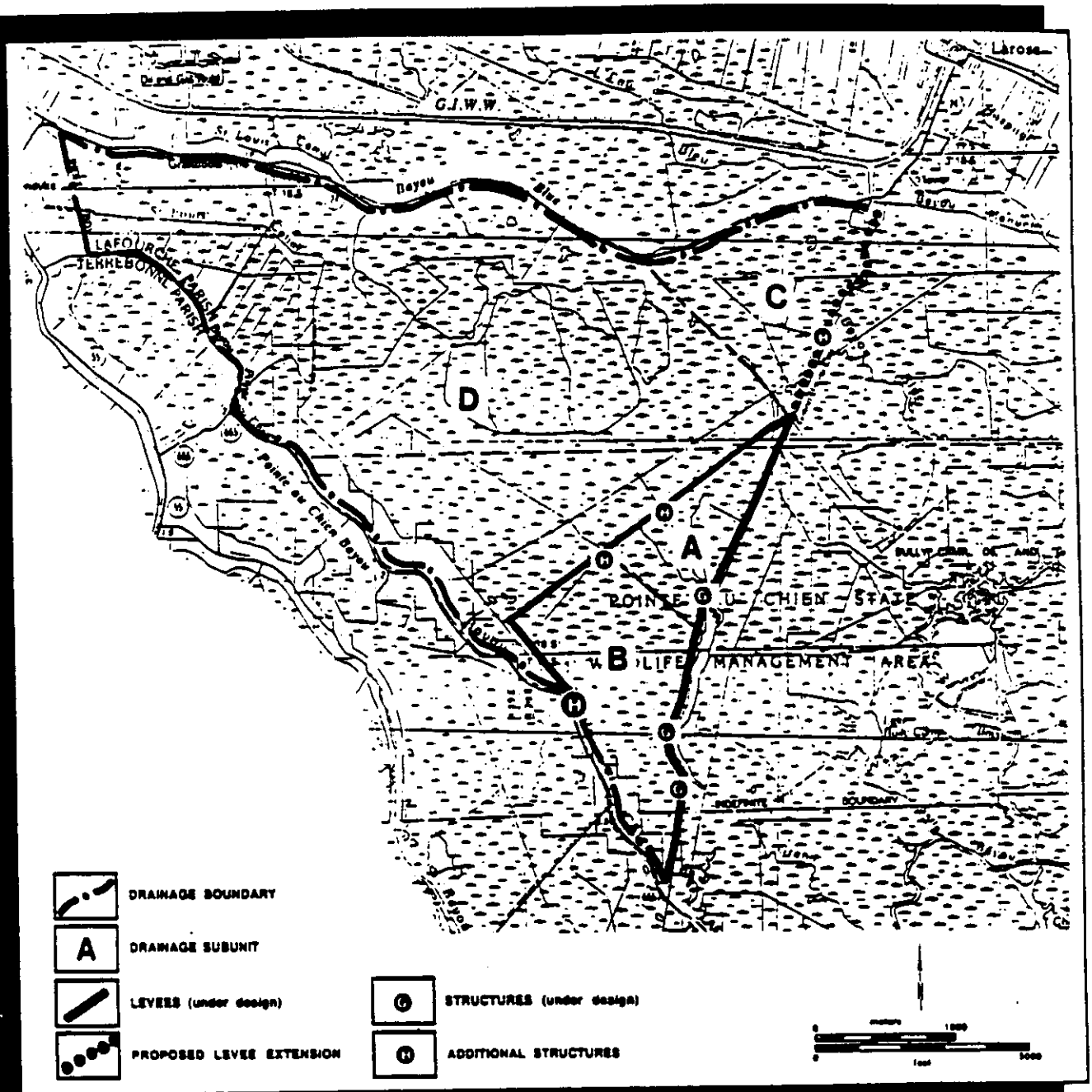
	Initiated*	Completed*
Feasibility	11/90	1/91
Planning	11/90	3/91
Eng./Design		3/91
Permitting	N/A	
Construction	(5/91)	
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. The relative success of former and current sand fences and revegetation projects will aid in site selection and design of this project. Most plants will be grown by Soil Conservation Service.



TE-5. GRAND BAYOU WETLAND

Hydrologic Basin: Terrebonne
Parish: Lafourche
Acreage Involved: 26,000

Purpose and Need: The overall objective of the proposed plan is to maintain the diversity of wetland habitats in the watershed and deter wetland loss. The proposed addition to the original COE mitigation plan will protect more wetlands by retaining and utilizing available freshwater.

Project Description: Greater utilization of freshwater will restore a more favorable hydrological regime. The use of levees and control structures will allow reduction of saltwater intrusion and associated wetland loss. A levee along Grand Bayou and associated water-control structures may eventually be implemented by the COE under current mitigation requirements. Feasibility of enlargement of the current project will be determined.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-5

PROJECT NAME Grand Bayou Wetland

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

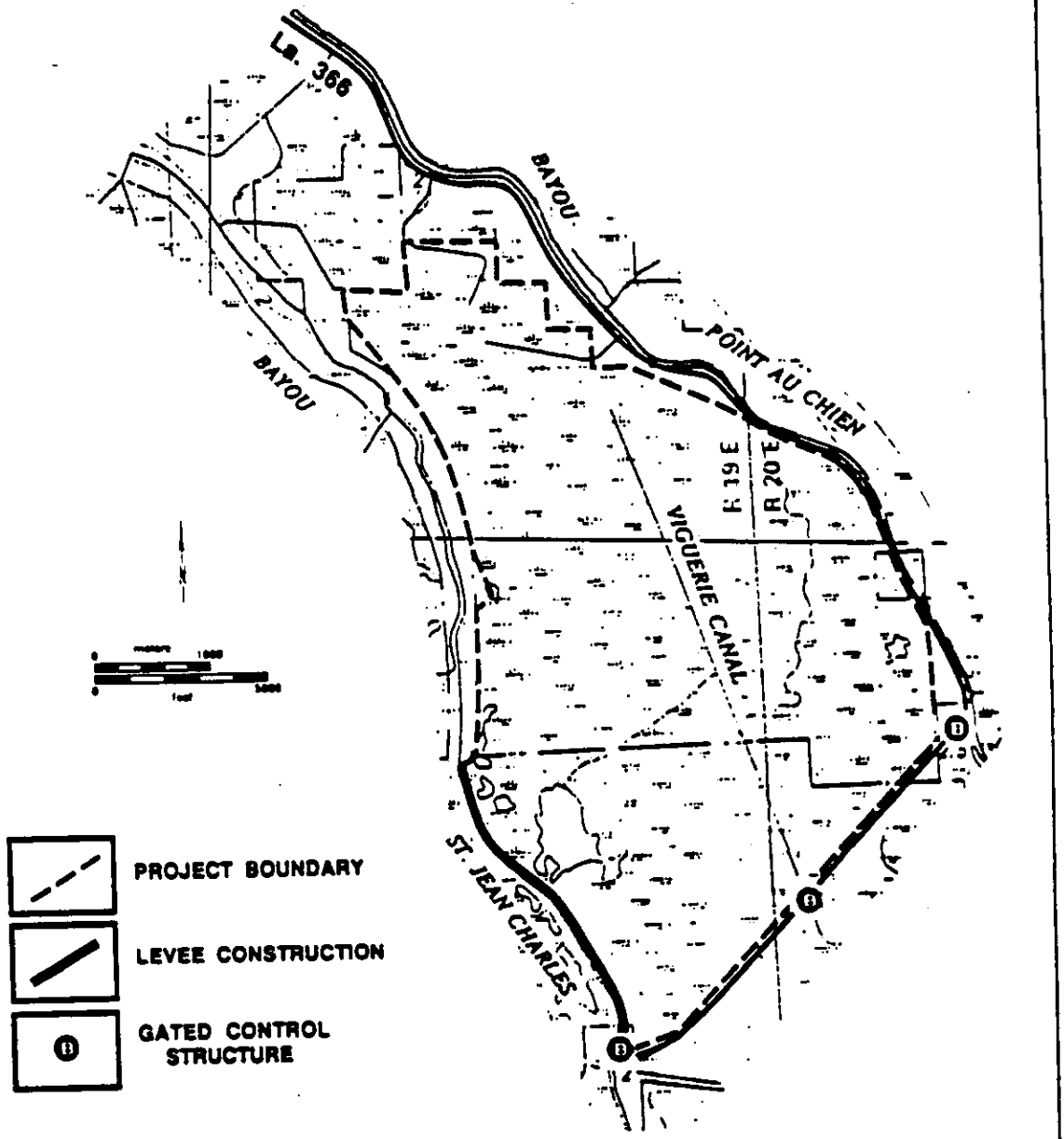
	Initiated*	Completed*
Feasibility	9/90	(5/91)
Planning	9/90	(6/91)
Eng./Design	(8/91)	(8/91)
Permitting	(6/91)	(8/91)
Construction	(9/91)	(11/91)
Oper./Maint./Mont.	(11/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. COE will fund $1.2 million of this project and began construction in 11/90.



TE-6. POINTE AU CHIEN WETLAND

Hydrologic Basin: Terrebonne
Parish: Terrebonne
Acreage Involved: 4,700

Purpose and Need: Marshes in this area are rapidly eroding as a result of subsidence, increasing water exchange, and saltwater intrusion. This project intends to facilitate conservation of freshwater derived from local runoff and control saltwater inflow to obtain a more favorable hydrologic regime.

Project Description: Water management would be achieved through use of an existing highway embankment and three water control structures. The need for further definition of hydrologic boundaries for management purposes requires evaluation.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-6

PROJECT NAME Pointe au Chien Wetland

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

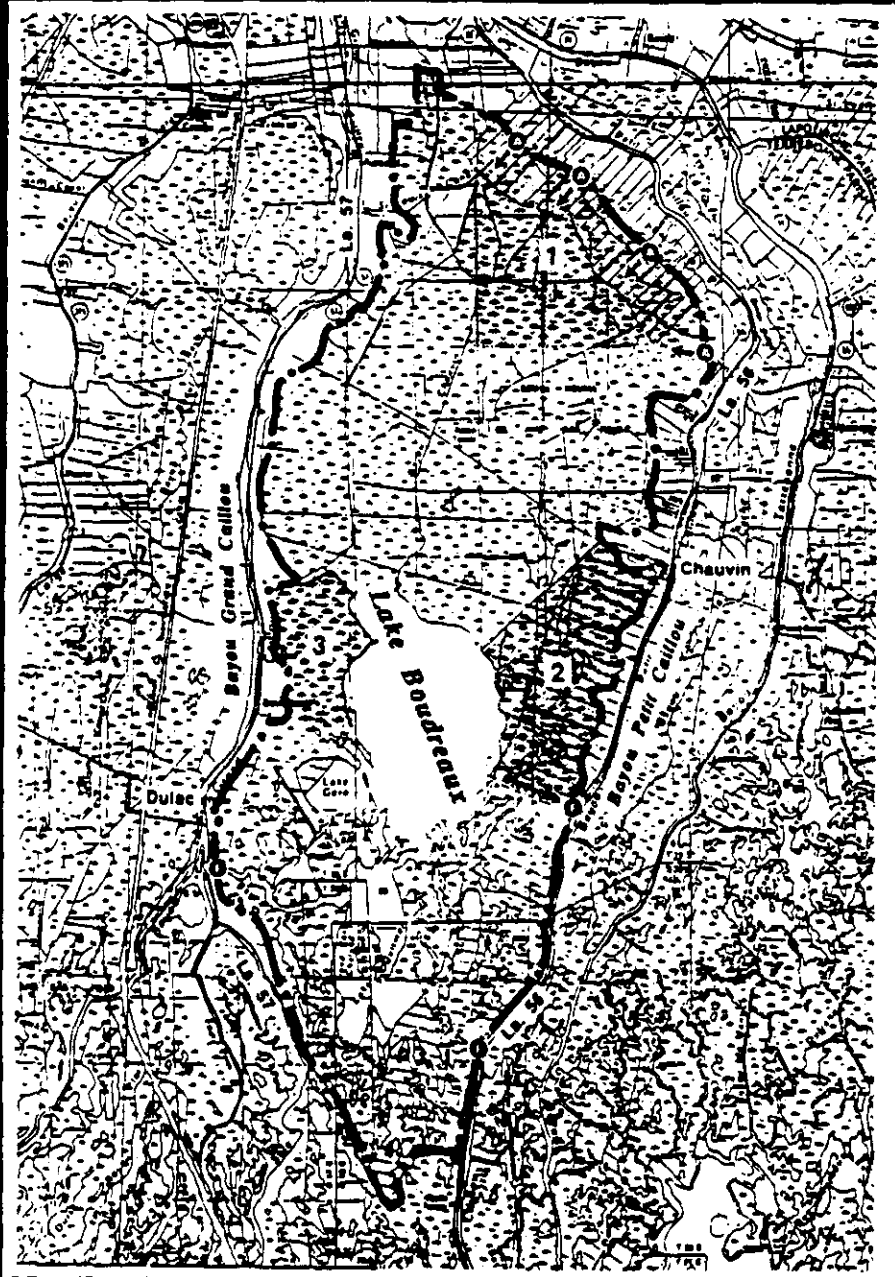
	Initiated*	Completed*
Feasibility	9/90	1/91
Planning	2/91	3/91
Eng./Design		
Permitting	3/91	
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. CRD/Crowley met with the local sponsor (Terrebonne Parish Consolidated Government) and their designated project representative on 7/20/90. CRD/Crowley has scheduled planning activities to begin in 2/91 through 3/91. The goal is to conduct an interagency review and submit a permit application by 4/91. This project area is under management by LDWF. They will request authorization to install the project under their general permit. Cost-estimates will be completed after a draft plan is developed.



HYDROLOGIC SUB-BASIN BOUNDARY

PUMP OUTFALL

PRIMARY ACCESS AND WATER EXCHANGE POINTS

S.T.T.M.&C. AREAS

1. UPPER PETIT CAILLOU AREA
2. LOWER PETIT CAILLOU AREA
3. GRAND CAILLOU AREA

TE-7. LAKE BOUDREAUX WETLAND

Hydrologic Basin: Terrebonne
Parish: Terrebonne
Acreage Benefitted: 46,000

Purpose and Need: Wetland protection and enhancement through water management on a sub-basin scale to counter saltwater intrusion and erosive tidal forces.

Project Description: The project focuses on the water management of an entire sub-basin. Major water exchange in the area occurs at three locations. Navigational access, fishery migration, and water control feasibility are to be evaluated. The project would combine and incorporate areas presently considered for management by local interests.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-7a

PROJECT NAME Upper Petit Caillou Management

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	2/91	3/91
Planning	3/91	(4/91)
Eng./Design	(6/91)	(6/91)
Permitting	(4/91)	(6/91)
Construction	(10/91)	(12/91)
Oper./Maint./Mont.	(12/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Chabert/Fina-Laterre Marsh Plan which is part of the outfall area for proposed freshwater introduction pumps.

4. Additional comments. CRD/Crowley has scheduled planning activities beginning in 3/91 with projected completion date of 4/91. The goal is to conduct an inter-agency review and submit permit applications before 4/91. Preliminary cost estimates and project plan concepts have been developed by South Terrebonne Tidewater Conservation and Management District.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-7b

PROJECT NAME Lower Petit Caillou Management

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	12/90	3/91
Planning	12/90	3/91
Eng./Design	(6/91)	(8/91)
Permitting	11/90	(6/91)
Construction	(8/91)	(10/91)
Oper./Maint./Mont.	(10/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Permit application.

4. Additional comments. A permit application for part of the proposed plan features was submitted by the South Terrebonne Tidewater District. Once the existing permit request is approved, an application to modify the permit to include all remaining features will be submitted.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-7c

PROJECT NAME Bayou Grand Caillou Management

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	2/91	3/91
Planning	2/91	3/91
Eng./Design	(4/91)	(6/91)
Permitting	(3/91)	(6/91)
Construction	(10/91)	(12/91)
Oper./Maint./Mont.	(12/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Preliminary cost estimates and project plan concepts have been developed by South Terrebonne Tidewater District.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-7d

PROJECT NAME Lake Boudreaux Watershed Plan

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

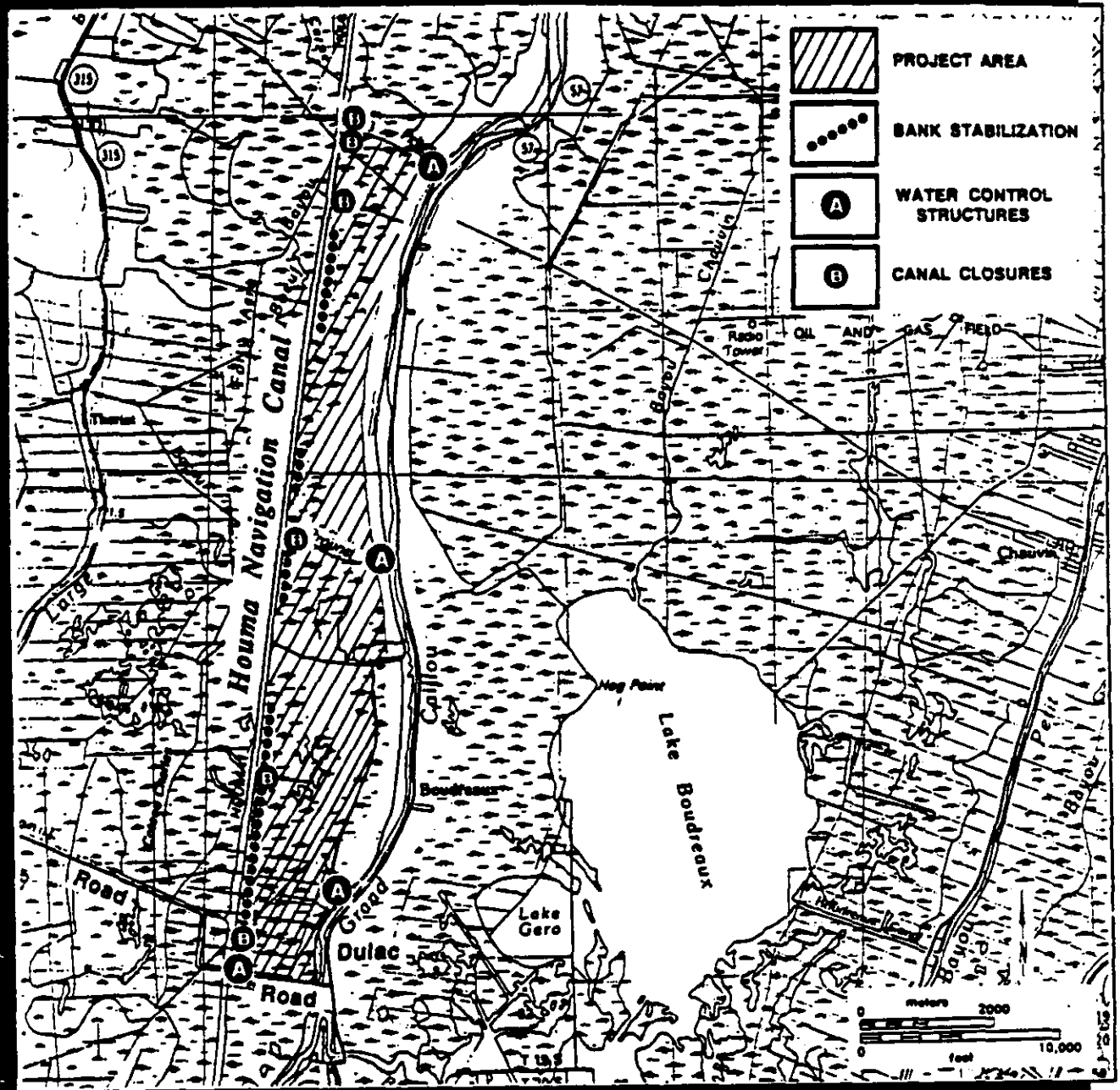
	Initiated*	Completed*
Feasibility	11/14/90	(12/91)
Planning	11/14/90	(6/92)
Eng./Design	(10/92)	(2/93)
Permitting	(6/92)	(10/92)
Construction	(6/93)	(6/97)
Oper./Maint./Mont.	(2/93)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. The Tidewater District and the Terrebonne Parish Government will formally request implementation of a SCS Watershed Project in this area. CRD can provide technical assistance to SCS during project planning and financial assistance to local sponsors for their required cost-share. An approved Watershed Project will provide 50% federal funding for constructions.



TE-8. BAYOU PELTON WETLAND

Hydrologic Basin: Terrebonne
Parish: Terrebonne
Acreage Benefitted: 2,400

Purpose and Need: To halt wetland loss caused by saltwater inflow from and rapid loss of freshwater to the Houma Navigational Canal.

Project Description: Water exchange between this and surrounding areas will be controlled and reoriented toward Bayou Grand Caillou for wetland protection and enhancement. Requirements are for a number of closures and some bank stabilization along the Houma Navigation Canal, and water-control structures along Bayou Grand Caillou.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION TE-8

PROJECT NAME Bayou Pelton Wetland Protection

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	9/90	3/91
Planning	9/90	(4/91)
Eng./Design	(8/91)	(11/91)
Permitting	(4/91)	(8/91)
Construction	(12/91)	(2/92)
Oper./Maint./Mont.	(2/92)	

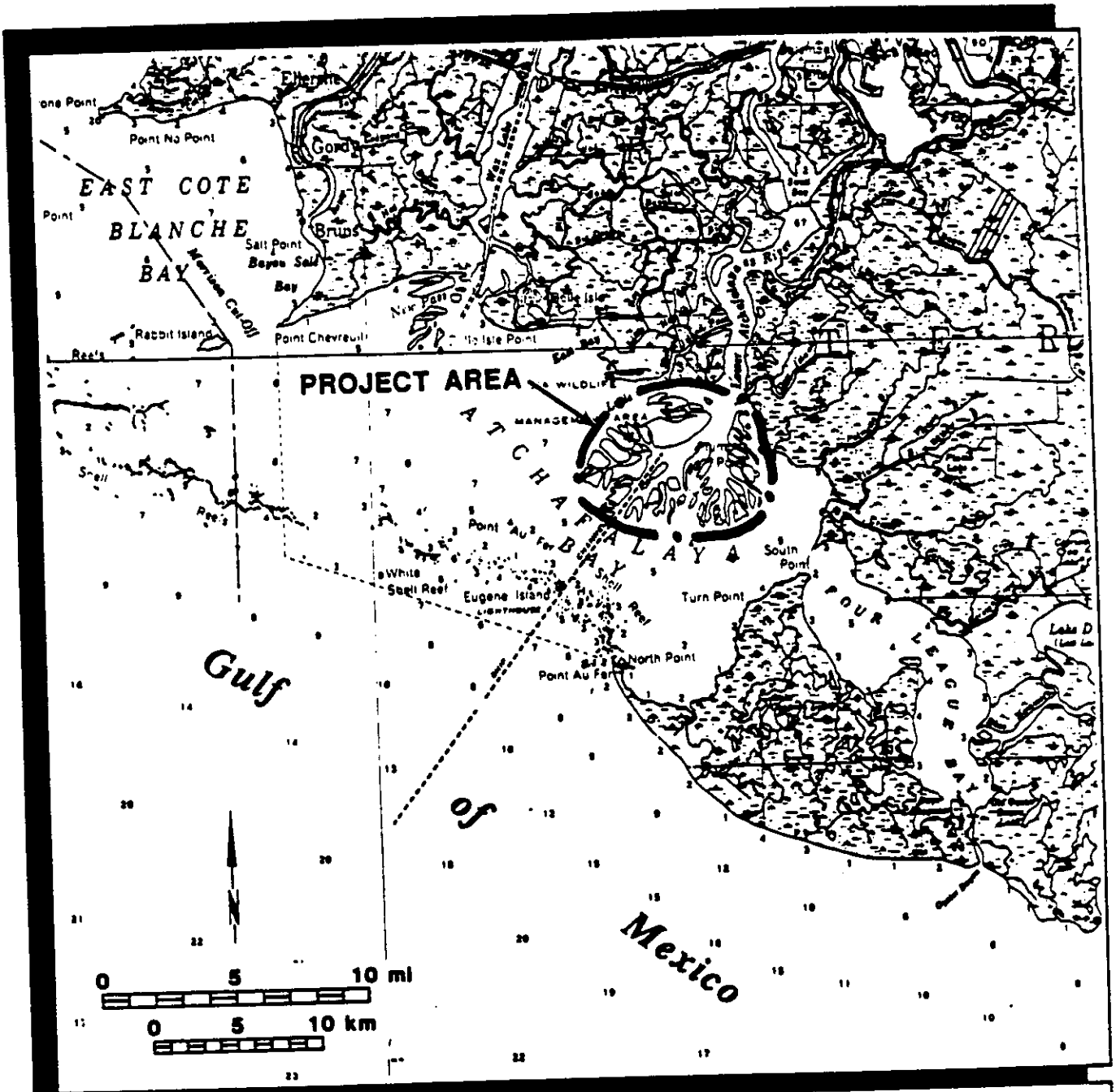
* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. The South Terrebonne Tidewater District will be the local sponsor.

ATCHAFALAYA BASIN



AT-1b. ATCHAFALAYA DELTA

Hydrologic Basin: Atchafalaya
Parish: St. Mary
Acreage benefitted: Not determined

Purpose and Need: The objective of the project is to increase the rate of marsh building by the use of sediment-trapping devices and vegetation planting.

Project Description: This project will use sediment-trapping techniques in conjunction with vegetation plantings to accelerate the buildup of sediment on and the emergence of existing shoals. Several pilot projects will be constructed and monitored to determine the most feasible and cost-effective technique for large-scale application.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION AT-1b

PROJECT NAME Atchafalaya Delta

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	8/14/90	9/ 6/90
Planning	9/ 6/90	1/14/91
Eng./Design	9/ 6/90	1/14/91
Permitting	LDWF	
Construction	(4/91)	(6/91)
Oper./Maint./Mont.	(6/91)	

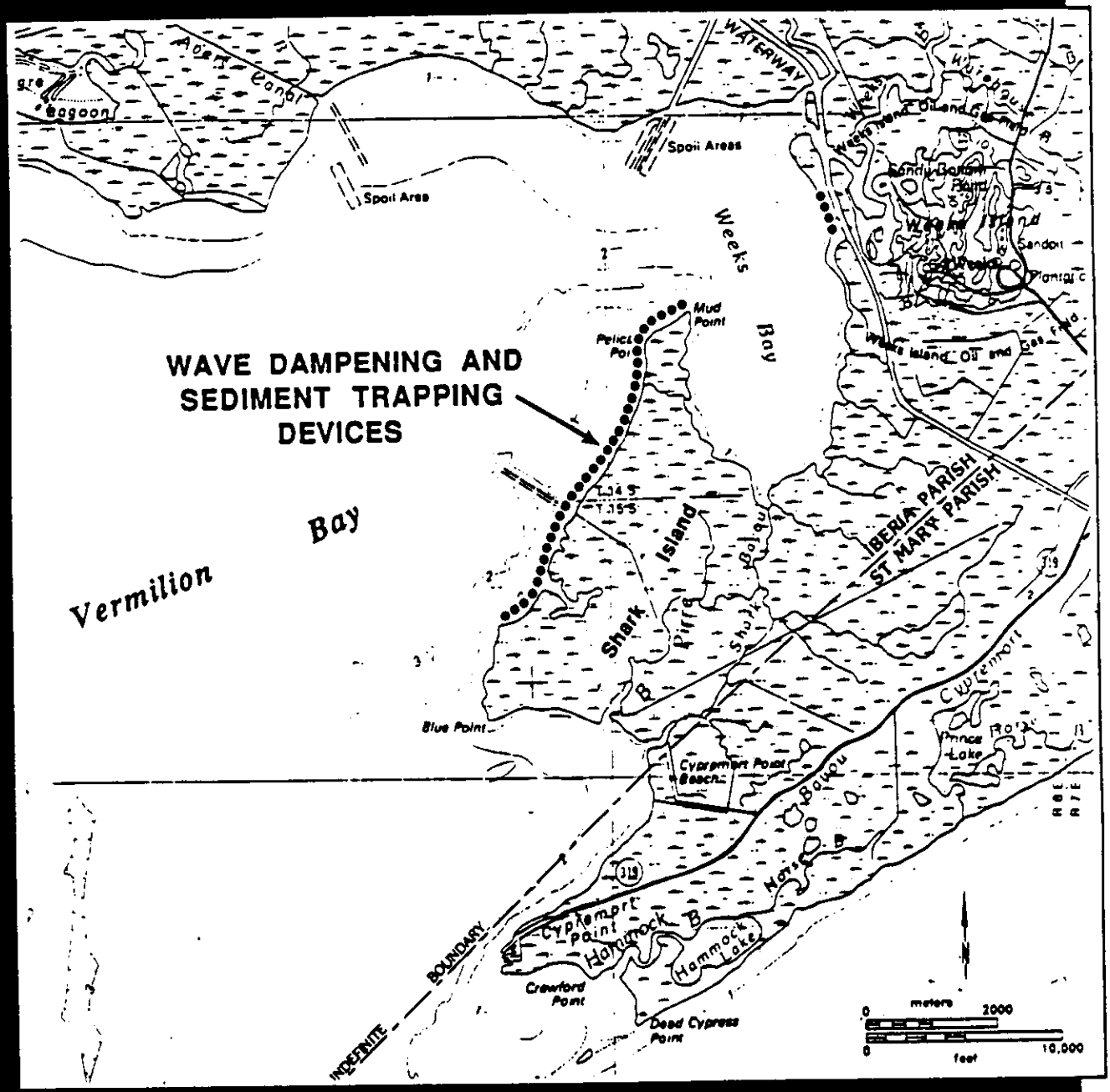
* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. A meeting was held with DWF. This meeting discussed sediment fence orientations and possible monitoring requirements. Permit is approved under LDWF general permit.

TECHE/VERMILION BASIN



T/V-1. SHARK ISLAND/WEEKS BAY

Hydrologic Basin: Teche-Vermilion
Parish: Iberia
Acreage Benefitted: 1,000 (20,000 ft Shoreline)

Purpose and Need: To reduce the exceptionally high rate of shoreline erosion and restore marsh through enhancement of sediment deposition and vegetation planting.

Project Description: Proposed project locations include the eastern shore of Weeks Bay and the western shore of Shark Island. The project will be an integral part of DNR's Sedimentation and Vegetation Program. A site-specific analysis is needed to establish the project design characteristics.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION T/V-1

PROJECT NAME Shark Island/Weeks Bay Protection

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

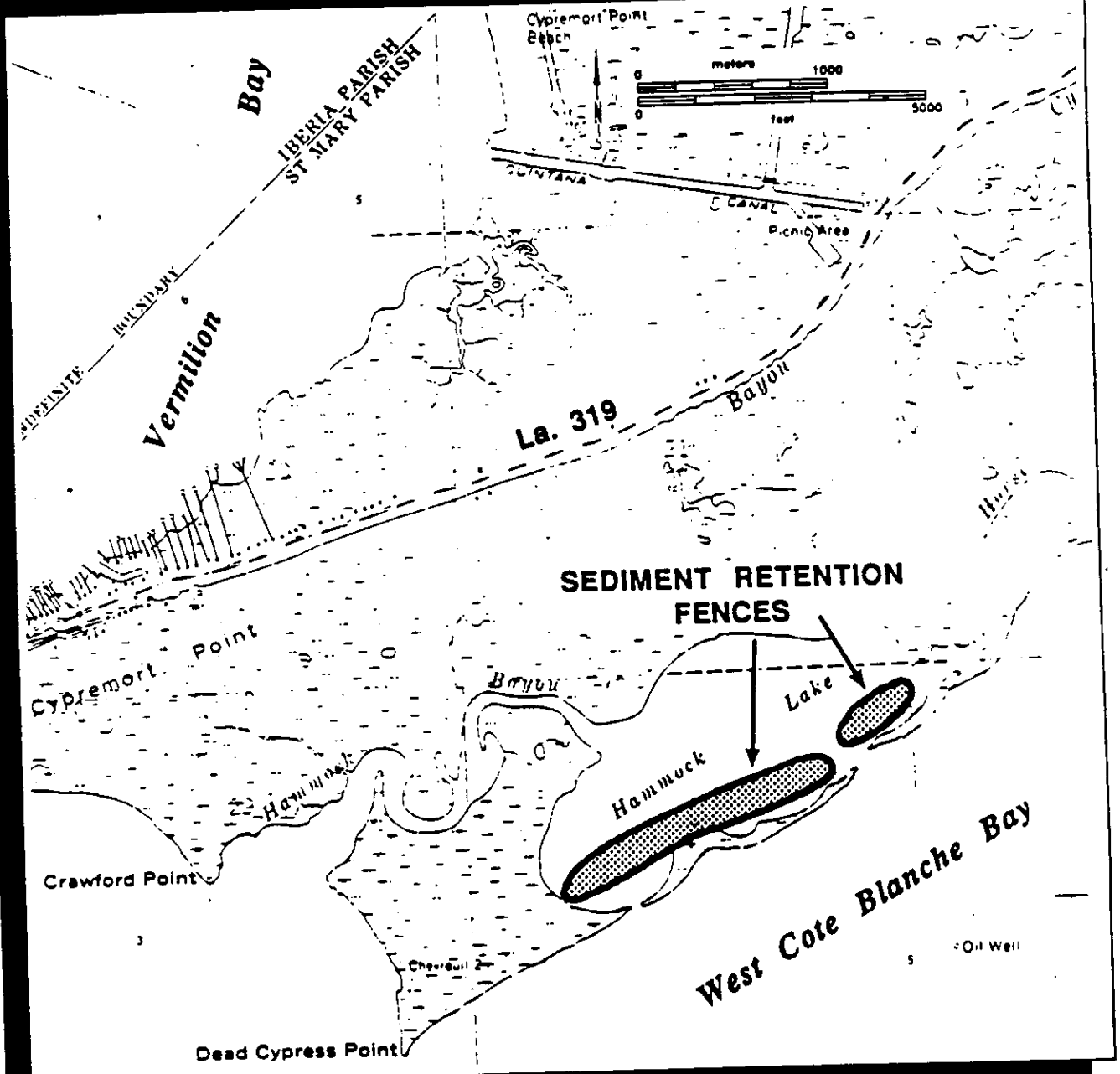
	Initiated*	Completed*
Feasibility	10/20/90	10/25/90
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Feasibility

4. Additional comments. Goodrich Operating Company proposes a project in the same area. DNR will cooperate with Goodrich to develop and implement feasible project.



T/V-2a. HAMMOCK LAKE

Hydrologic Basin: Teche Vermilion
Parish: St. Mary
Acreage Benefitted: 200

Purpose and Need: To restore the breached marsh boundary between Hammock Lake and Cote Blanche Bay and prevent merging of the two water bodies. Located in the vicinity of the Quintana State Park, the lake is intensively used for recreation.

Project Description: To enhance sedimentation, fences will be constructed in critical areas to anchor sediment-trapping brush material (Christmas trees). The area is considered suitable for sediment trapping because of the high suspended-sediment concentrations in the area.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION T/V-2a

PROJECT NAME Hammock Lake Christmas Tree Project

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

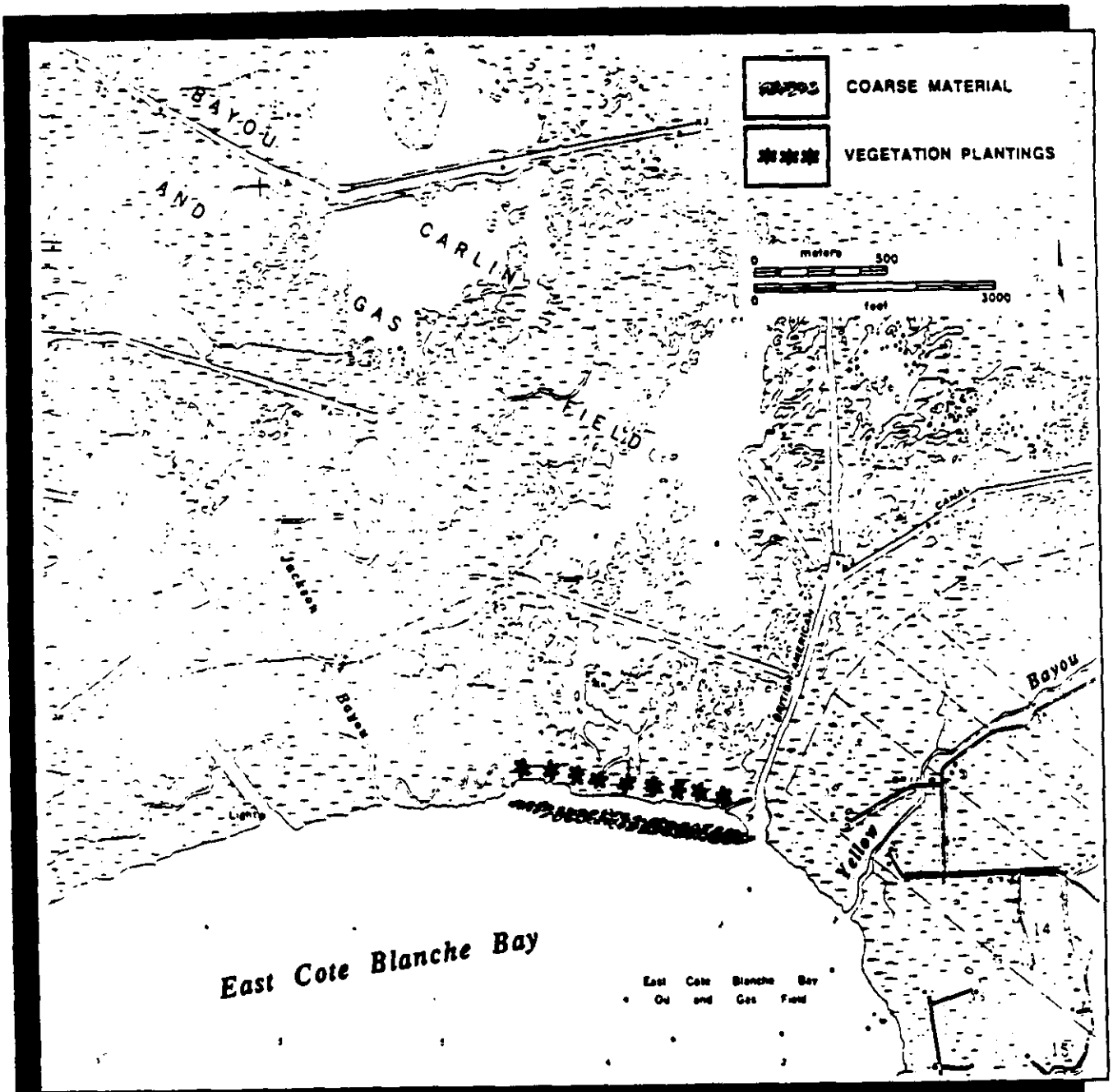
	Initiated*	Completed*
Feasibility	1/ 5/90	1/19/90
Planning	1/ 9/90	1/19/90
Eng./Design	1/ 9/90	2/ 8/90
Permitting	2/ 8/90	2/23/90
Construction	6/21/90	8/21/90
Oper./Maint./Mont.	8/21/90	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $47,480 construction bid.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Only a sixth of the constructed fences were filled with trees in 1990. The remaining fences are being filled with trees in 1991.



T/V-2b. YELLOW BAYOU WETLAND

Hydrologic Basin: Teche-Vermilion
Parish: St. Mary
Acreage Benefitted: 2,000

Purpose and Need: Prevent breaching of a marsh boundary and merging of a pond system with East Cote Blanche Bay. Breaching would cause rapid wetland loss and deterioration as a result of increased wave erosion and scouring.

Project Description: Marsh presently protected by the shoreline is in a deteriorated condition. The proposed plan calls for coarse material deposition and vegetative plantings along 13,000 ft of shoreline.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION T/V-2b

PROJECT NAME Yellow Bayou Wetland

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

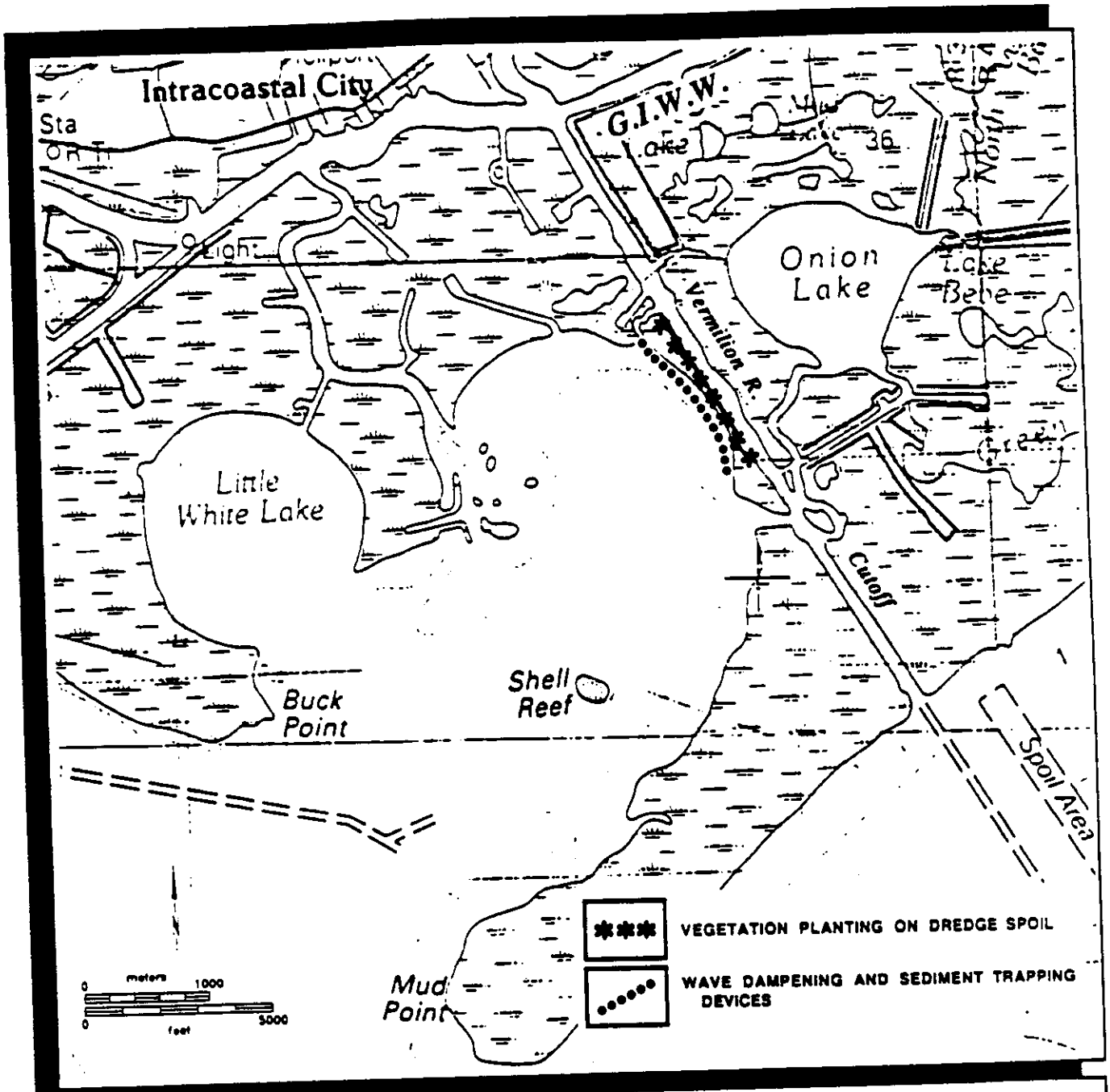
	Initiated*	Completed*
Feasibility	1/ 5/90	2/16/90
Planning	1/ 5/90	2/16/90
Eng./Design	1/ 5/90	2/16/90
Permitting	5/18/90	12/11/90
Construction	(4/91)	(6/91)
Oper./Maint./Mont.	(6/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. A preliminary meeting with Miami Corporation and local SCS representatives took place at the project site on January 8, 1991.



T/V-3. VERMILION RIVER CUTOFF

Hydrologic Basin: Teche-Vermilion
Parish: Vermilion
Acreage Benefitted: 25

Purpose and Need: Enhance deposition of sediments with a combination of dredged material and natural sources of suspended sediments to restore marshland.

Project Description: A large section of the west bank of the Vermilion River Cutoff has eroded away as a result of wave action. It is proposed that sediment-trapping devices be used to dampen wave energy and enhance sediment deposition, and that vegetation be planted to stabilize newly deposited sediments.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION T/V-3

PROJECT NAME Vermilion River Cutoff

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	1/ 5/90	1/ 9/91
Planning	1/ 5/90	1/ 9/91
Eng./Design	3/91	
Permitting	1/26/90	3/23/90
Construction	(4/91)	(6/91)
Oper./Maint./Mont.	(6/91)	

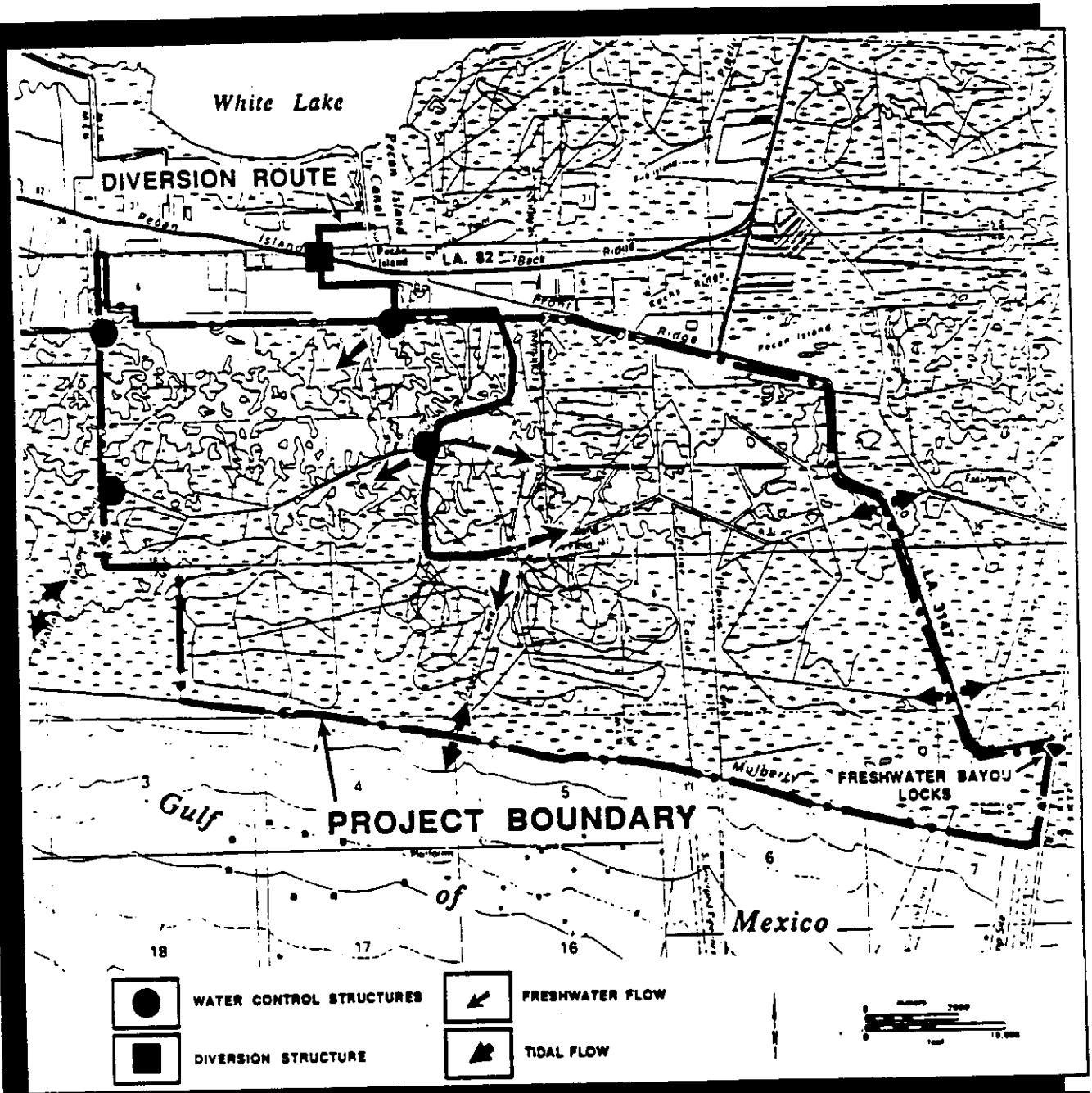
* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None to date.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments.

MERMENTAU BASIN



ME-1. PECAN ISLAND FRESHWATER INTRODUCTION

Hydrologic Basin: Mermentau
Parish: Vermilion
Acreage Benefitted: 38,700

Purpose and Need: This area experiences a significant loss of wetlands and an increase in salinities. Freshwater diversion would allow maintenance of a freshwater head in the wetland system to the south and thus reduce saltwater introduction from the Gulf.

Project Description: The project will provide for diversion of water from White Lake through the Pecan Island Canal and a structure under LA 82. Existing oil and gas access canals will provide a distribution network from which freshwater can be diverted into the marshes and utilized through existing and proposed management features.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION ME-1a & b

PROJECT NAME Pecan Island FW Introduction & Outfall Management

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

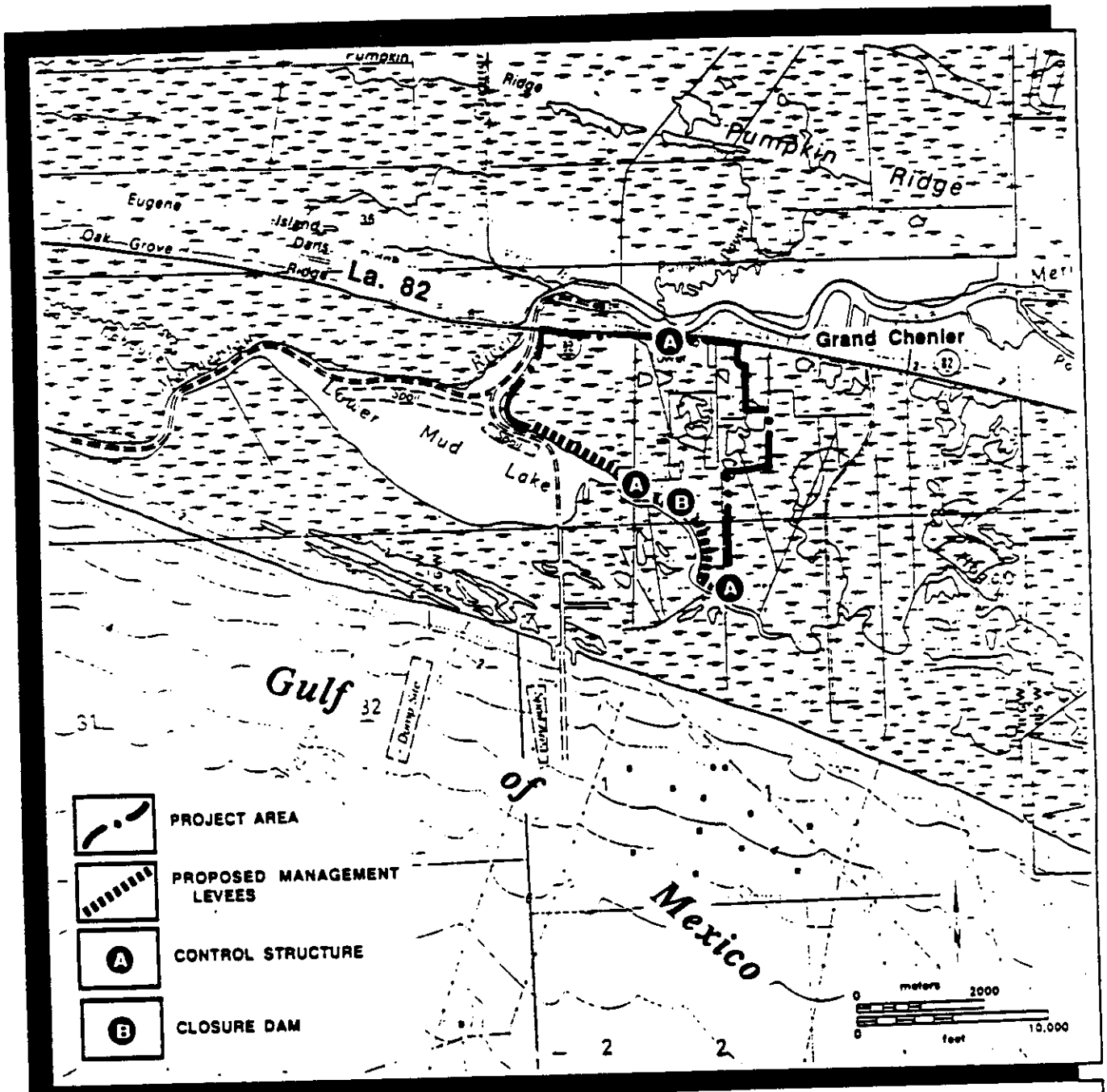
	Initiated*	Completed*
Feasibility	3/90	
Planning	3/90	5/90
Eng./Design	4/90	5/91
Permitting	5/90	2/91
Construction	(6/91)	(12/91)
Oper./Maint./Mont.	9/90	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Project Plan, Monitoring Plan, Permit Application, Water Quality Certification.

4. Additional comments. DOTD is presently working on plans and specifications for the structure at La. Hwy. 82. CRD/Crowley began plans and specifications for the inflow channel, structure at Pecan Island Canal and Soil samples from Pecan Island Canal Structure site in 9/90. CRD/Crowley reviewed and conducted field inspection of all outfall management features and determined that no additional features are required at present.



ME-2. HOG BAYOU WETLAND

Hydrologic Basin: Mermentau
Parish: Cameron
Acreage Benefitted: 2,000

Purpose and Need: To restore brackish marsh habitats and improve the value of the area for wildlife while maintaining important fisheries functions.

Project Description: The project area has sustained considerable marsh loss recently. Management plans include the restoration of a levee, an earthen plug, and three water control structures. The same structures can be used to input and retain suspended sediment or to draw water level down to reestablish marsh vegetation.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION ME-2

PROJECT NAME Hog Bayou Wetland Restoration & Enhancement

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

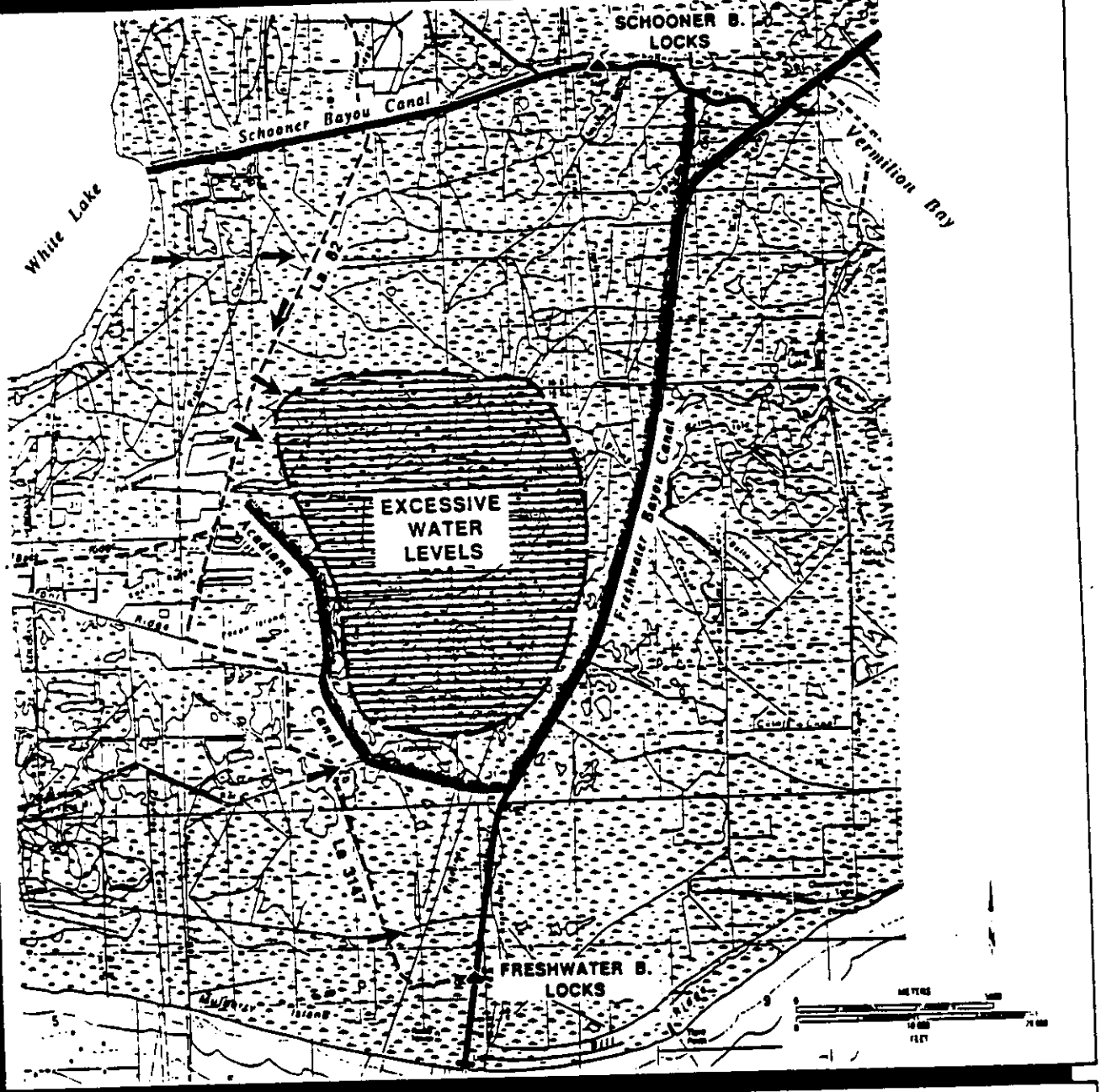
	Initiated*	Completed*
Feasibility		
Planning	4/90	11/90
Eng./Design		
Permitting	6/90	
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Project Plan, Soil Investigation Report, CUP Permit, Economic Assessment of Hog Bayou Marsh Restoration Project.

4. Additional comments. DNR/CMD issued a Coastal Use Permit in March 1987. COE has not issued a permit. An inter-agency meeting was conducted on 6/6/90 to resolve COE's concerns. All information requested by COE was submitted by 8/6/90.



ME-4. FRESHWATER BAYOU WETLANDS

Hydrologic Basin: Mermentau
Parish: Vermilion
Acreage Benefitted: 35,000

Purpose and Need: To determine the causes of excessively high water levels in the marshes and implement corrective measures where feasible.

Project Description: Drainage of this wetland is impeded by spoil banks along both Freshwater Bayou and the Acadiana Canal. Solutions to be evaluated include changes in the operation of Freshwater Bayou Locks and installation of gated control structures along the Acadiana canal.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION ME-4

PROJECT NAME Freshwater Bayou Wetland Ponding Reduction

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	5/90	(6/91)
Planning	5/90	(6/91)
Eng./Design		
Permitting	6/90	
Construction		
Oper./Maint./Mont.		

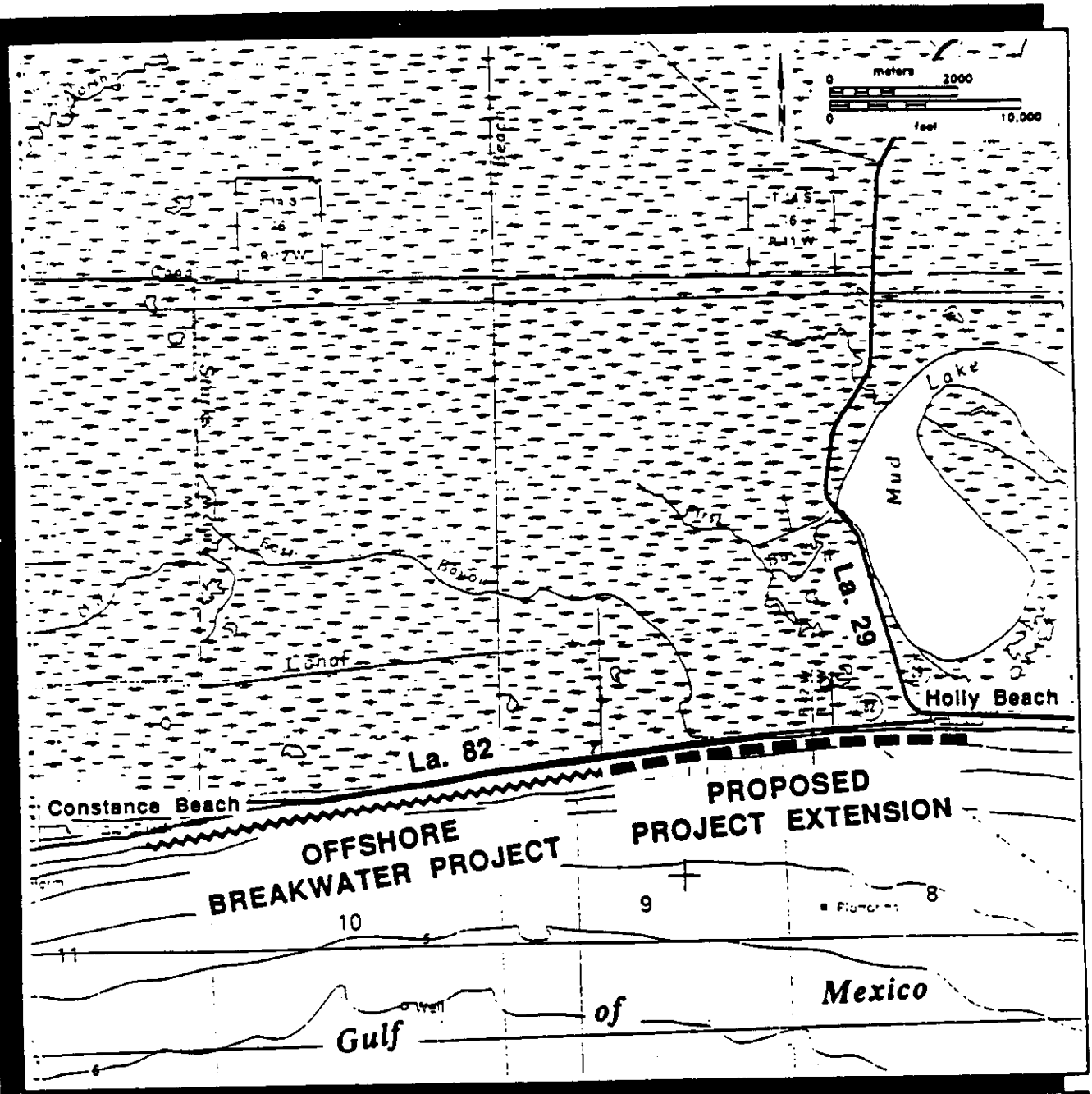
* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. CRD/Crowley has scheduled to complete planning on this project by 6/91. Planning will be a joint effort between CRD & SCS. A field inspection was conducted in May 1990. An agreement was made on what preliminary planning information will be furnished by SCS & CRD.

CALCASIEU/SABINE BASIN



C/S-1a. PEVETO BEACH TO HOLLY BEACH

Hydrologic Basin: Calcasieu/Sabine
Parish: Cameron
Acreage Benefitted: up to 50,000

Purpose and Need: To protect marsh north of the shoreline by expanding shoreline protection from Peveto Beach to Holly Beach.

Project Description: The DOTD has installed and evaluated a variety of shoreline protection measures. A line of breakwater structure, 200 to 300 ft from the shoreline, is considered the most successful method and is proposed for construction.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION C/S-1a

PROJECT NAME Peveto Beach to Holly Beach

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

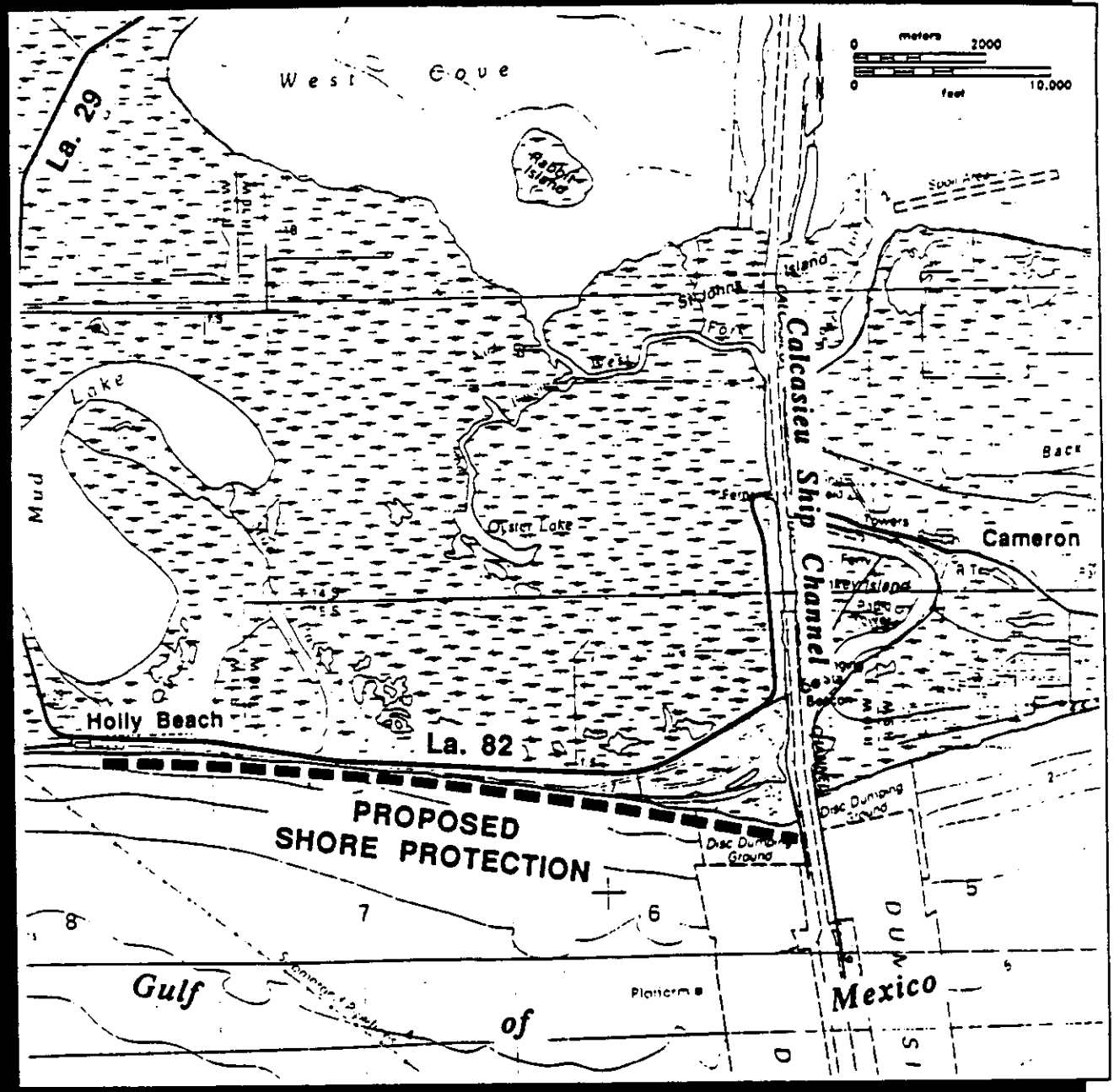
	Initiated*	Completed*
Feasibility		
Planning		12/6/89
Eng./Design	(6/89)	12/6/89
Permitting	(5/89)	6/1/90
Construction	8/1/90	(6/91)
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $4,466,206 transferred to DOTD for construction costs.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Plans and design completed 12/6/89.

4. Additional comments. This will complete the originally designed 41 structures.



C/S-1b. HOLLY BEACH TO CALCASIEU PASS

Hydrologic Basin: Calcasieu/Sabine
Parish: Cameron
Acreage Benefitted: up to 50,000

Purpose and Need: To protect marsh north of the shoreline by expanding shoreline protection from Holly Beach to Calcasieu Pass.

Project Description: Breakwaters are being used in the area between Constance Beach and Holly Beach. If they prove to be successful, they will be used on this section of shoreline. These measures could be supplemented with dredged material from the Calcasieu Ship Channel.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION C/S-1b

PROJECT NAME Holly Beach to Calcasieu

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

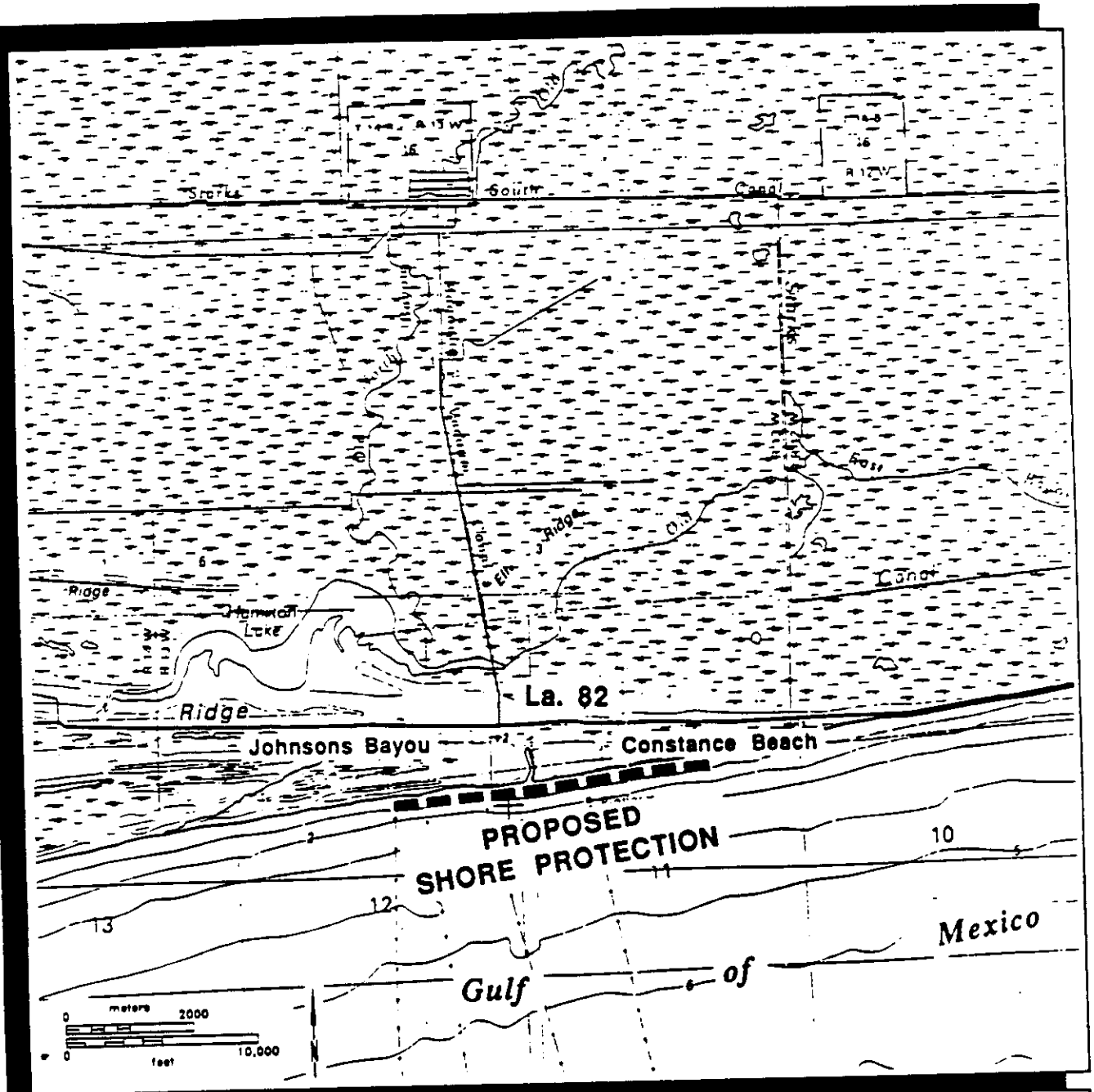
	Initiated*	Completed*
Feasibility		
Planning	8/17/90	(11/91)
Eng./Design	8/17/90	(4/91)
Permitting	8/17/90	12/90
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. DOTD should complete plans and permitting during the first quarter of 1991.



C/S-1c. CONSTANCE BEACH TO OCEAN VIEW

Hydrologic Basin: Calcasieu/Sabine
Parish: Cameron
Acreage Benefitted: up to 50,000

Purpose and Need: To protect marsh north of the shoreline by extending shoreline protection to the Ocean View Beach area.

Project Description: The DOTD has installed and evaluated a variety of shoreline protection measures. Breakwaters are being used in the area between Constance Beach and Holly Beach. If they prove to be successful, breakwaters will be used on this section of shoreline.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION C/S-1c

PROJECT NAME Constance Beach to Ocean View

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

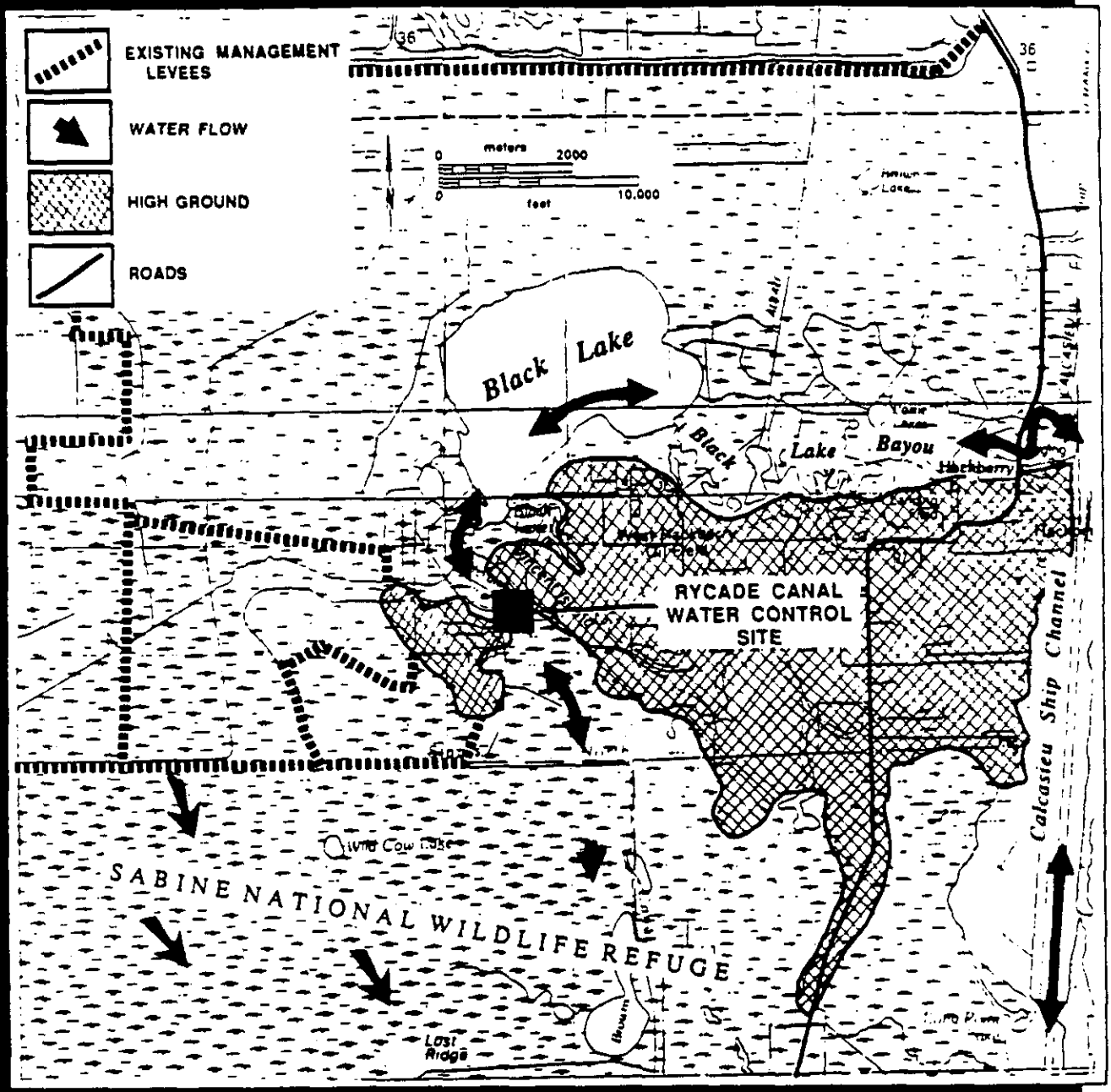
	Initiated*	Completed*
Feasibility		
Planning	8/17/90	(11/89)
Eng./Design	8/17/90	(4/91)
Permitting	8/17/90	12/90
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. DOTD should complete plans and permitting during the first quarter of 1991.



C/S-2. RYCADE CANAL

Hydrologic Basin: Calcasieu
Parish: Cameron
Acreage Benefitted: 10,000

Purpose and Need: The project area continues to experience a significant loss of wetlands and an increase in salinities. Water control on the Rycade Canal would stop saltwater flow from Calcasieu Ship Channel through Black Lake into the wetland system to the south.

Project Description: The only project feature needed is a water-control structure just north of the bridge crossing the Rycade Canal. The structure would reduce the rate of saltwater intrusion and the associated wetland loss.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION C/S-2

PROJECT NAME Rycade Canal - Closure to Black Lake

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

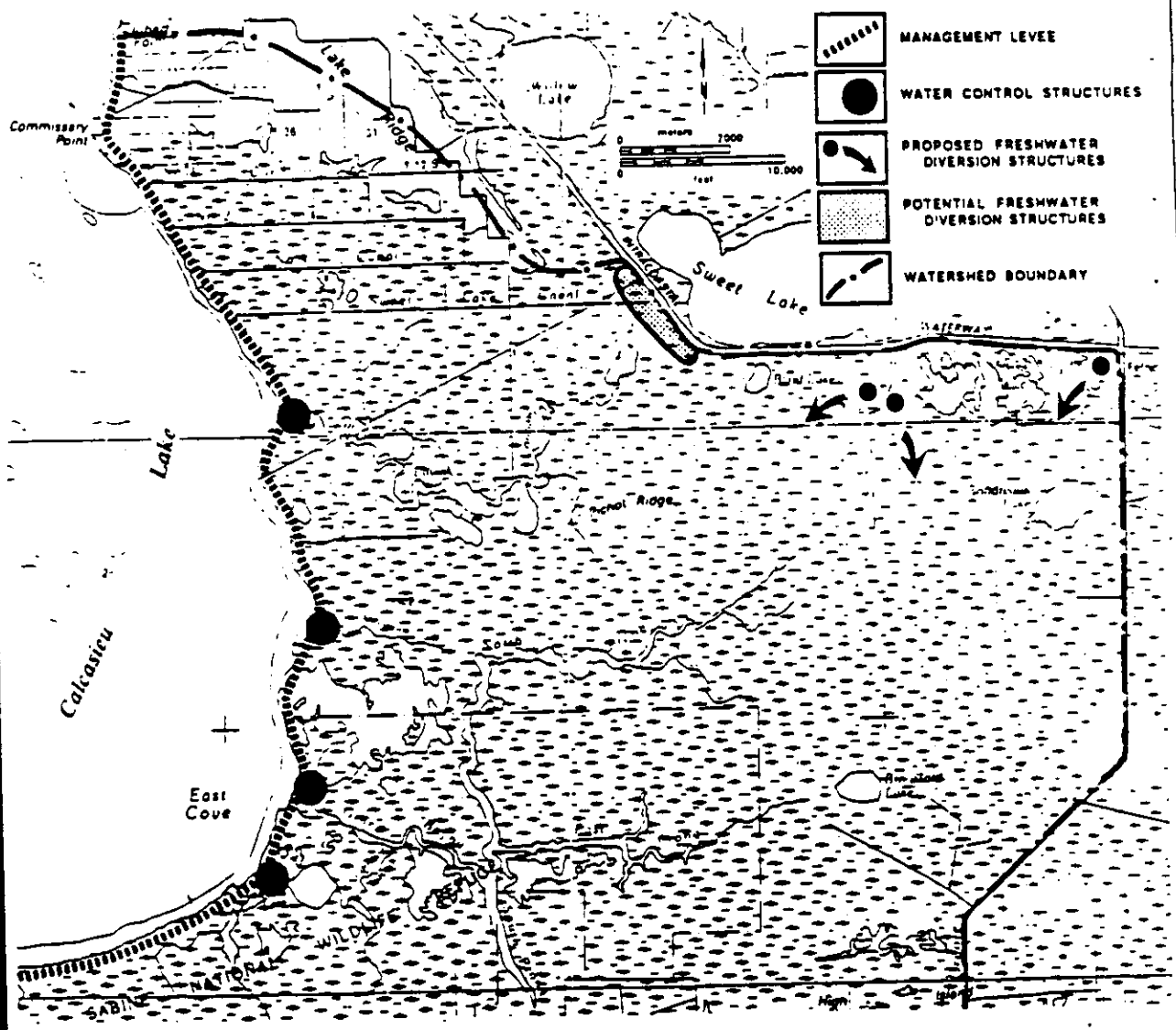
	Initiated*	Completed*
Feasibility	2/90	2/91
Planning	7/90	3/91
Eng./Design	7/90	(6/91)
Permitting	2/91	(5/91)
Construction	(6/91)	(7/91)
Oper./Maint./Mont.	(7/91)	

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Coordination with the Police Jury, Gravity Drainage District, and two major landowners has resulted in completing structure site selections, structure operation schedules, structure type decisions, and the monitoring plan.



C/S-4. CAMERON - CREOLE WETLANDS

Hydrologic Basin: Calcasieu
Parish: Cameron
Acreage Benefitted: 110,000

Purpose and Need: Freshwater inflow into the CCW would allow for less stringent structure operation to control saltwater introduction from Calcasieu Lake and would enhance marsh restoration capabilities.

Project Description: The project would provide for diversion of water from the GIWW through a number of structures along the northern boundary of the CCW.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION C/S-4a

PROJECT NAME Cameron-Creole Watershed Control Structure Operation

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	3/90	3/90
Planning	3/90	3/91
Eng./Design	3/91	6/91
Permitting	3/91	3/91
Construction	(5/91)	(7/91)
Oper./Maint./Mont.	(7/91)	

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. $270,000 construction cost estimate DNR funds. $250,000 federal funding.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). McNeese State University Structure Automation Proposal Report.

4. Additional comments. A memorandum of understanding between the Dept. of Interior, USFWS and DNR has been developed and is being processed. The MSU report is under review by USFWS, SCS, DNR/CRD, and the Cameron Drainage District.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION C/S-4b

PROJECT NAME Cameron-Creole Wetland Freshwater Inflow from GIWW

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

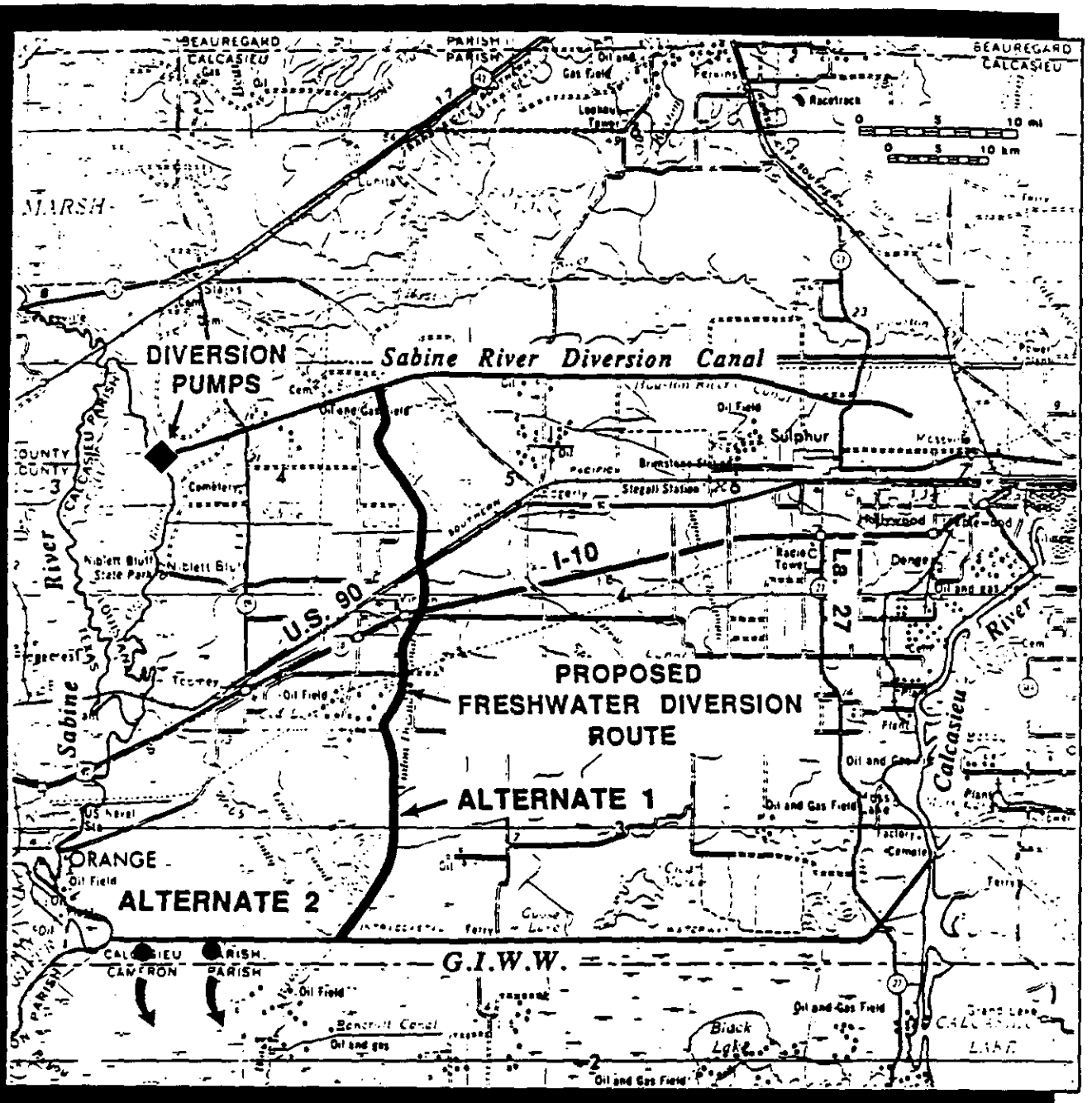
	Initiated*	Completed*
Feasibility	10/ 2/90	(4/91)
Planning	10/ 2/90	(4/91)
Eng./Design	(6/91)	(7/91)
Permitting	(4/91)	(6/91)
Construction	(8/91)	(9/91)
Oper./Maint./Mont.	(9/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. The project and alternate structure site was discussed at the 12/18/90 Cameron Drainage District and Cameron-Creole Advisory Committee meeting.



C/S-5. SABINE FRESHWATER INTRODUCTION

Hydrologic Basin: Calcasieu
Parish: Cameron
Acreage Benefitted: N/A

Purpose and Need: Determine feasibility of combating saltwater intrusion in the Calcasieu-Sabine wetlands with freshwater from the Sabine River.

Project Description: The project will evaluate the feasibility of freshwater introduction into marshes south of the GIWW. Alternatives to be evaluated include diversion of Sabine River water through the Sabine River Diversion Canal and direct introduction from the GIWW.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION C/S-5

PROJECT NAME Sabine Freshwater Introduction

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	2/91	(12/92)
Planning	2/91	(6/93)
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Field investigations have identified several possible sites for freshwater introduction from the GIWW.

CHRISTMAS TREE PROJECTS

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION ALL-1

PROJECT NAME Christmas Tree Projects

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	4/16/90	7/15/90
Planning	4/16/90	7/15/90
Eng./Design	7/15/90	12/ 1/90
Permitting	11/ 1/90	12/ 1/90
Construction	12/ 1/90	2/30/91
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. Cooperative agreements of $10,000 per parish (15 parishes).

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. 15 of 19 coastal parishes participated. All parishes have selected sites with CRD personnel and have initiated permit process.

Table 4. Long and Short-Range Programs to be Funded

Objective: Investigate potential, large-scale measures requiring further evaluation as part of a comprehensive, long-term planning effort to maximize the use of available water and sediment resources to restore and enhance coastal vegetated wetlands.

1. Louisiana Comprehensive Coastal Wetlands Study (Corps/State)*

   Objective: To develop a comprehensive plan that addresses large-scale and long-term requirements for the conservation, restoration, and enhancement of Louisiana's coastal wetlands with Federal participation.
   Status: Letter of agreement to be formulated.

   (a) Develop and implement a plan to allocate water and sediments of the Atchafalaya and Mississippi Rivers, considering the proposed measures listed below, in order to maximize maintenance, restoration, enhancement, and creation of vegetated wetlands.

   * Major diversion into Lake Verret watershed from the Atchafalaya River
   * Diversion from the Atchafalaya River through the Avoca Island levee south of Morgan City
   * An alternate Mississippi River navigation channel
   * Major intermittent diversion near Des Allemands
   * Major intermittent diversion north of Bonnet Carré Spillway
   * Major diversion below Caernarvon
   * Major diversion below Port Sulphur
   * Major diversion into West Bay

   (b) Develop and implement a water management plan for the marshes between Calcasieu and Sabine Lakes.

   (c) Isolate Houma Navigation Canal via construction of a floodgate in the canal and stabilize canal banks.

   (d) Construct a water control structure at Black Bayou, Cameron Parish.

   (e) Rebuild and protect back-barrier marsh platform of barrier islands through dredged material placement, structural measures, or combinations as appropriate.

   (1) East Timbalier to Cat Island Pass
   (2) Cat Island Pass to Whiskey Pass
   (3) Whiskey Pass to Raccoon Point
   (4) Sandy Point to Belle Pass

(Table 4 concluded)

(f) Develop and implement a plan for freshwater and sediment diversions into wetlands in the vicinity of the Bonnet Carré Spillway.

2. Land Loss and Marsh Creation Study (Corps/State)*

Objective: Identify, evaluate, and implement measures to create marsh using diversion of sediment from the Mississippi River and dredged material.
Status: Draft report concerning Plaquemines, St. Bernard, and Jefferson Parishes submitted for review.

3. Project Operation/Maintenance/Rehabilitation/Monitoring

Objective: To provide for (1) operation, maintenance, and monitoring of, and (2) emergency repairs, for vegetated wetland projects that have been implemented under the authorized Plan.

4. National Estuary Program (EPA/State)*

Objective: To develop and implement plans to protect the integrity of nationally significant estuaries threatened by pollution, development, or over-use.
Status: Application for inclusion of Barataria and Terrebonne Basins submitted.

5. Watershed Program (SCS/State under PL-566)*

Objective: To plan and implement projects for the management of small watersheds for marsh conservation and enhancement purposes and to provide technical and planning assistance for implementation of marsh management programs to private landowners.
Status: Ongoing throughout the coastal area.

6. Vegetation and Sedimentation Program (CRD-DNR)

Objective: To plan and implement marsh restoration and conservation using vegetation planting, sediment trapping, and low-cost shore protection.

(a) Sediment Trapping and Outfall Management in the Mississippi River and Atchafalaya Deltas.

(b) Sediment trapping, vegetation planting, and other low-cost protection along shorelines of coastal bays and lakes.

7. Basin Level Hydrologic Evaluation Program (CRD-DNR)

Objective: To assure mutual compatibility of proposed projects with regard to hydrology of each coastal basin.

8. Office of Coastal Activities (Governor's Office)

Objective: To execute powers and duties as provided by Act 6.

* Federal and state cost-sharing

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (1)

PROJECT NAME La. Comprehensive Coastal Wetlands Study

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	6/19/90	
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $79,000 (1st qt. payment only) paid to COE in FY 90/91 (federal FY 91).

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Scope of study.

4. Additional comments. DNR has requested COE delay action until Breaux Task Force has determined usefulness of study.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4(1) A-F

PROJECT NAME Louisiana Comprehensive Coastal Wetlands Study

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	_____	_____
Planning	_____	_____
Eng./Design	_____	_____
Permitting	_____	_____
Construction	_____	_____
Oper./Maint./Mont.	_____	_____

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract._____

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. To be terminated in favor of short- and long-term planning effort authorized via the Breaux Bill. All listed projects A-F will be addressed in this study.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (2)

PROJECT NAME Land Loss and Marsh Creation

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		11/90
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract. $54,250

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Draft Project Management Plan paid by DNR to COE 10/90. First quarter in federal FY to COE.

4. Additional comments. Planning on Phase II of study suspended at request of DNR until Breaux Task Force determines usefulness of study.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (3)

PROJECT NAME Caernarvon Emergency Response Committee

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Emergency plan has been presented for review to parish, Corps of Engineers and members of Technical Committee.

4. Additional comments. Committee established as of 10/3/90. First meeting was held on 10/22/90.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (3)

PROJECT NAME Caernarvon Technical Work Group

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. This is an on-going work group that determines the proper operation of the Caernarvon structure. First meeting held on 1/17/91.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (3)

PROJECT NAME Caernarvon Operation and Maintenance

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $100,000 contract with Plaquemines Parish Government.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Plaquemines Parish Government will supply the necessary man-power to operate and conduct routine maintenance of the structure.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (4)

PROJECT NAME National Estuary Program

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $50,000 as local match has been transferred to DEQ. DEQ is the lead agency for the State. 25% State share; $200,000 Total Grant.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Application for Federal assistance, policy committee.

4. Additional comments.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (6)b

PROJECT NAME DNR/Soil Conservation Service/Soil & Water Conservation District Plantings

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	7/10/90	8/17/90
Planning	7/10/90	9/21/90
Eng./Design	7/10/90	9/21/90
Permitting	N/A	
Construction	(3/91)	(6/92)
Oper./Maint./Mont.	(3/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $200,000 with Soil & Water Conservation District.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Feasibility and Planning.

4. Additional comments. $200,000 agreement in effect. Project have been designed for 90/91 and will be underway in the spring. Plan projects for 91/92, 92/93, and 93/94 have been selected by DNR/SCS personnel. These planting projects are located coastwise, utilizing local labor and SCS personnel for cost-efficiency.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 4 (7)

PROJECT NAME Hydraulic Modeling

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $50,000 with Corps of Engineers to provide computer and data information.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. CRD is working in conjunction with the Corps of Engineers and their models to assure mutual compatibility of proposed projects with regard to hydrology of each coastal basin. This project will also be used to assure proper operation of structures already built.

Table 5. Measures Recommended for State and Federal Action

A. For State Action

1. Develop legislation or rules and regulations to provide, at a minimum, for replacement of the loss of functional coastal wetland values which result from permitted activities in the coastal zone.

2. Revise State Coastal Use Guidelines through appropriated rulemaking procedures to provide, at a minimum, for replacement of the loss of functional coastal wetland values due to permitted coastal activities.

3. Institute state mineral board advertisement of environmental conditions prior to mineral lease sale on state water bottoms.

4. Investigate alternatives to Avoca Island Levee Extension, and if none are feasible, require full mitigation of environmental impacts resulting from the existing levee and proposed extensions.

5. Route non-point-source discharges and, where appropriate, point-source discharges through wetlands to offset saltwater intrusion, enhance vegetation growth, and improve water quality.

B. For Federal Action

1. Increase flows into the Atchafalaya River through the Old River Control Structure for marsh building in the Atchafalaya Delta, in a manner that will produce no additional flooding of Morgan City and other coastal communities.

2. Maintain at least 30% of total Atchafalaya River flow through Wax Lake Outlet during normal flows.

3. Implement a management plan for maximizing growth of the Atchafalaya Delta.

4. Operate Bonnet Carré Floodway for freshwater diversion.

5. Operate Freshwater Bayou Structure to remove excess water from marshes in eastern Vermilion Parish.

6. Operate Algiers Lock for freshwater diversion.

7. Operate Violet Floodgate for freshwater retention and water-level control.

8. Reduce Mean Water Levels in the Grand-White Lakes impoundment.

(Table 5 concluded)

9.	Assure continued operation of the Cameron Creole Watershed Project.
10.	Achieve full design capacity of the Teche-Vermilion Diversion Project.
11.	Stabilize and maintain banks of the Mississippi River Gulf Outlet, and place dredged material along the northern bank.
12.	Stabilize and maintain banks of Freshwater Bayou Channel.
13.	Stabilize banks of the Barataria Waterway at Dupré Cut and place dredged material along the eastern bank.
14.	Stabilize and maintain banks of the Gulf Intracoastal Waterway and reject plans for enlargement.
15.	Create marsh and nourish beaches with dredged materials from Corps-maintained channels.
16.	Route non-point-source discharges and, where appropriate, point-source discharges through wetlands to offset saltwater intrusion, enhance vegetation growth, and improve water quality.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(A) 1

PROJECT NAME State Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Act 1040 of 1990 Legislative Session mandated replacement of ecological wetlands values. Rule-making by DNR is in process and is expected to undergo the Administrative Procedures Act process by mid-summer.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(A) 2

PROJECT NAME State Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Coastal Use guidelines are currently under review and revision by DNR. Guidelines will likely be expanded to allow for variances from full public notice review, refinement of emergency permitting provisions and provisions for after-the-fact permitting. The Administrative Procedures Act process scheduled for mid-summer 1990.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(A) 3

PROJECT NAME State Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. No action to date.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(A) 4

PROJECT NAME State Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Current position of Wetlands Authority is that Avoca Island levee extension proposal should be de-authorized in favor of Barrier Island concept of flood protection for residences of Lake Verret Basin and western Terrebonne Parish.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(A) 5

PROJECT NAME State Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Several of the marsh/wetland management projects being implemented adjacent to flood control ring levees areas are being modified to take advantage of discharge of surface water runoff to enhance saltwater abatement in the management area.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 1

PROJECT NAME Federal Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. The Corps of Engineers refuses to deviate from 70/30 authorized distribution. Breaux Bill specifically requires a re-study of this distribution. Final recommendation will be an output of 3 year planning effort authorized by Breaux Bill.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 2,3,4,5,6,7,8

PROJECT NAME Federal Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Final recommendation will be an output of 3 year planning effort authorized by Breaux Bill.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 9

PROJECT NAME _____

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	_____	_____
Planning	_____	_____
Eng./Design	_____	_____
Permitting	_____	_____
Construction	_____	_____
Oper./Maint./Mont.	_____	_____

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract._____

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Anticipate final authorization of memorandum of understanding with U.S. Fish and Wildlife Service to contribute $250,000 for mechanized operation of water control structures for projects.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 10

PROJECT NAME _____

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	_____	_____
Planning	_____	_____
Eng./Design	_____	_____
Permitting	_____	_____
Construction	_____	_____
Oper./Maint./Mont.	_____	_____

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract._____

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Final recommendation will be an output of 3 year planning effort authorized by Breaux Bill.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 11

PROJECT NAME Federal Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. DNR currently involved in requiring implementation by Corps of Engineers via federal consistency oversight provisions of Federal Coastal Zone Management Act.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 12,13,14

PROJECT NAME Federal Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Final recommendation will be an output of 3 year planning effort authorized by Breaux Bill.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 15

PROJECT NAME Federal Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* **Dates in parenthesis are estimates.**

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. DNR is appealling the EPA and Corps of Engineers via federal consistency via Federal Coastal Zone Management Act to get Corps of Engineers to use dredge material beneficially.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 15

PROJECT NAME Wine Island

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction	11/90	2/10/91
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. Expected cost share: $525,000 total DNR participation; Local Sponsor $72,000; Corps of Engineers $400,000. Total project costs $997,000.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Construction plans and specifications.

4. Additional comments. Rock dike is completed. Corps is scheduled to pump sediment from maintenance dredging some time in spring.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 15

PROJECT NAME Wine Island Revegetation

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	(3/91)	(6/91)
Planning	(3/91)	(6/91)
Eng./Design	(3/91)	(6/91)
Permitting	N/A	
Construction	(4/91)	(6/91)
Oper./Maint./Mont.	(6/91)	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.).
None

4. Additional comments. Pending dredge material placement.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION Table 5(B) 16

PROJECT NAME Federal Action

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction		
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract.

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. EPA has begun to fund some diversions of freshwater from ring levee areas into marsh plans.

Coastal Restoration Division

Projects Funded

By Other Means

Federal and State General Funds

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION _____

PROJECT NAME GOES Data Collection Network - Plaquemines Parish

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	5/1/90	5/25/90
Planning	9/5/90	1/18/91
Eng./Design	9/5/90	1/18/91
Permitting		
Construction		(6/15/91)
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract._____

3. List of completed reports (feasibility, planning, design, monitoring, etc.).

4. Additional comments. Cooperative agreement with parish has been signed (July 12, 1990). Stations have been chosen. A contractor (USGS) has been chosen. A detailed proposal is being completed for CRD review by the contractor now. The stations will be operational by June 15, 1991, and they will be maintained by the contractor for one year.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION _____

PROJECT NAME GOES Data Collection Network - Terrebonne Parish

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	5/1/90	5/25/90
Planning	9/5/90	1/18/91
Eng./Design	9/5/90	1/18/91
Permitting	_____	_____
Construction	_____	(6/15/91)
Oper./Maint./Mont.	_____	_____

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). None

4. Additional comments. Cooperative agreement with parish has been signed (July 12, 1990). Stations have been chosen. A contractor (USGS) has been chosen. A detailed proposal is being completed for CRD/parish review by the contractor now. The stations will be operational by June 15, 1991, and they will be maintained by the contractor for one year.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION _____

PROJECT NAME Near Coastal Waters Pilot Project (EPA Grant)

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	_____	_____
Planning	_____	_____
Eng./Design	_____	_____
Permitting	_____	_____
Construction	_____	_____
Oper./Maint./Mont.	_____	_____

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $435,860 State and EPA monies $197,800.00.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Feasibility, Planning, and Design.

4. Additional comments. $52,091.00 remains in the budget. This money will be used in the establishment and maintenance of the data collection platforms. The project term has been extended 1 year until January 31, 1992. This grant provides the means to accomplish in-depth monitoring data on two innovative restoration techniques: terracing and monitoring, the descriptions of which are to be found on following two pages.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION _____

PROJECT NAME Sabine National Wildlife Refuge Terracing Project

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	5/10/89	8/ 1/90
Planning	8/13/89	1/31/90
Eng./Design	1/15/90	3/ 5/90
Permitting	USFW	
Construction	5/ 1/90	8/ 1/90
Oper./Maint./Mont.	9/ 7/90	

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract._____

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Feasibility, Planning, and Design.

4. Additional comments. Remaining work on project entails maintenance of the data collection platforms. The project term of the EPA grant funding this project has been extended 1 year until January 31, 1992. The project consists of forming low ridges ("terraces") in shallow ponds in areas which were marsh. The ridges are planted with marsh grass and are arranged in an open checker-board pattern. This creates marsh, decreases wave heights, increases water clarity, and results in increased productivity.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION _____

PROJECT NAME Crevasse Sediment Diversion/Crevasse Splay Outfall Management 1990

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	5/10/89	8/ 1/89
Planning	9/ 8/89	4/30/90
Eng./Design	3/13/89	11/16/89
Permitting	LDWF	
Construction	11/28/89	7/ 2/90
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. N/A

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Feasibility, Planning, and Design.

4. Additional comments. Remaining work on project entails maintenance of the data collection platforms. The project term of the EPA grant has been extended 1 year until January 31, 1992. The project consists of using innovative outfall management of crevasses in order to control and speed up marsh formation processes.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION _____

PROJECT NAME GIWW Canal Innovative - Bank Erosion Control Project - EPA Grant

1. Dates of Completed Project Milestones/Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility		
Planning		
Eng./Design		
Permitting		
Construction	2/91	(6/91)
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. None

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Grant application package.

4. Additional comments. Final approval has been received on grant on 10/5/90. Innovative planting and sediment capture/erosion abatement projects in relatively low energy sediment rich environments - one along the GIWW and one in a shallow bay. $40,000 was awarded by EPA and $2,000 of matching state money was needed.

COASTAL WETLANDS CONSERVATION AND RESTORATION PROJECT STATUS

PROJECT ABBREVIATION _____

PROJECT NAME Lake Charles Christmas Tree Project

1. Dates of Completed Project Milestones Anticipated Dates of Future Milestones.

	Initiated*	Completed*
Feasibility	2/27/90	3/15/90
Planning	2/27/90	3/15/90
Eng./Design	2/27/90	3/27/90
Permitting	USFW	
Construction	12/20/90	1/24/91
Oper./Maint./Mont.		

* Dates in parenthesis are estimates.

2. Expenditures/encumbrances to date by contract. $43,400 from 89/90 general funds.

3. List of completed reports (feasibility, planning, design, monitoring, etc.). Permit information which includes design plans.

4. Additional comments.