21st PRIORITY PROJECT LIST REPORT (APPENDICES)

PREPARED BY:

LOUISIANA COASTAL WETLANDS CONSERVATION AND RESTORATION TASK FORCE

October 2012

Coastal Wetlands Planning, Protection, and Restoration Act

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Appendix A

Summary and Complete Text of the CWPPRA

SECTION 303. Priority Louisiana Coastal Wetlands Restoration Projects.

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

SECTION 304. Louisiana Coastal Wetlands Conservation Planning.

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

SECTION 305. National Coastal Wetlands Conservation Grants.

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

SECTION 306. Distribution of Appropriations.

- 70% of annual appropriations not to exceed (NTE) $70 million used as follows:
  - NTE $15 million to fund Task Force completion of Priority List and Restoration Plan—Secretary disburses the funds.

    - NTE $10 million to fund 75% of Louisiana's cost to complete Conservation Plan—Administrator disburses funds.
    - Balance to fund wetland restoration projects at 75% Federal/25% Louisiana-Secretary disburses funds.
- 15% of annual appropriations, NTE $15 million for Wetland Conservation Grants—Director, USFWS disburses funds.
- 15% of annual appropriations, NTE $15 million for projects authorized by the North American Wetlands Conservation Act—Secretary, Interior disburses funds.

SECTION 307. Additional Authority for the Corps of Engineers.

- Section 307a. Secretary authorized to:
    - Carry out projects to protect, restore, and enhance wetlands and aquatic/coastal ecosystems.
- Section 307b. Secretary authorized and directed to study feasibility of modifying MR&T to increase flows and sediment to the Atchafalaya River for land building wetland nourishment.
    - 25% if the state has dedicated trust fund from which principal is not spent.
    - 15% when Louisiana's Conservation Plan is approved.

TITLE III--WETLANDS

Sec. 301. SHORT TITLE.

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

Sec. 302. DEFINITIONS.

As used in this title, the term--

(1) "Secretary" means the Secretary of the Army;
(2) "Administrator" means the Administrator of the Environmental Protection Agency;
(3) "development activities" means any activity, including the discharge of dredged or fill material, which results directly in a more than de minimus change in the hydrologic regime, bottom contour, or the type, distribution or diversity of hydrophytic vegetation, or which impairs the flow, reach, or circulation of surface water within wetlands or other waters;
(4) "State" means the State of Louisiana;
(5) "coastal State" means a State of the United States in, or bordering on, the Atlantic, Pacific, or Arctic Ocean, the Gulf of Mexico, Long Island Sound, or one or more of the Great Lakes; for the purposes of this title, the term also includes Puerto Rico, the Virgin Islands, Guam, the Commonwealth of the Northern Mariana Islands, and the Trust Territories of the Pacific Islands, and American Samoa;
(6) "coastal wetlands restoration project" means any technically feasible activity to create, restore, protect, or enhance coastal wetlands through sediment and freshwater diversion, water management, or other measures that the Task Force finds will significantly contribute to the long-term restoration or protection of the physical, chemical and biological integrity of coastal wetlands in the State of Louisiana, and includes any such activity authorized under this title or under any other provision of law, including, but not limited to, new projects, completion or expansion of existing or on-going projects, individual phases, portions, or components of projects and operation, maintenance and rehabilitation of completed projects; the primary purpose of a "coastal wetlands restoration project" shall not be to provide navigation, irrigation or flood control benefits;
(7) "coastal wetlands conservation project" means--
(A) the obtaining of a real property interest in coastal lands or waters, if the obtaining of such interest is subject to terms and conditions that will ensure that the real property will be administered for the long-term conservation of such lands and waters and the hydrology, water quality and fish and wildlife dependent thereon; and
(B) the restoration, management, or enhancement of coastal wetlands ecosystems if such restoration, management, or enhancement is conducted on coastal lands and waters that are administered for the long-term conservation of such lands and waters and the hydrology, water quality and fish and wildlife dependent thereon;
(8) "Governor" means the Governor of Louisiana;
(9) "Task Force" means the Louisiana Coastal Wetlands Conservation and Restoration Task Force which shall consist of the Secretary, who shall serve as chairman, the Administrator, the Governor, the Secretary of the Interior, the Secretary of Agriculture and the Secretary of Commerce; and

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

SEC. 303. PRIORITY LOUISIANA COASTAL WETLANDS RESTORATION PROJECTS.

(a) PRIORITY PROJECT LIST.--
(1) PREPARATION OF LIST.--Within forty-five days after the date of enactment of this title, the Secretary shall convene the Task Force to initiate a process to identify and prepare a list of coastal wetlands restoration projects in Louisiana to provide for the long-term conservation of such wetlands and dependent fish and wildlife populations in order of priority, based on the cost-effectiveness of such projects in creating, restoring, protecting, or enhancing coastal wetlands, taking into account the quality of such coastal wetlands, with due allowance for small-scale projects necessary to demonstrate the use of new techniques or materials for coastal wetlands restoration.
(2) TASK FORCE PROCEDURES.--The Secretary shall convene meetings of the Task Force as appropriate to ensure that the list is produced and transmitted annually to the Congress as required by this subsection. If necessary to ensure transmittal of the list on a timely basis, the Task Force shall produce the list by a majority vote of those Task Force members who are present and voting; except that no coastal wetlands restoration project shall be placed on the list without the concurrence of the lead Task Force member that the project is cost effective and sound from an engineering perspective. Those projects which potentially impact navigation or flood control on the lower Mississippi River System shall be constructed consistent with section 304 of this Act.
(3) TRANSMITTAL OF LIST.--No later than one year after the date of enactment of this title, the Secretary shall transmit to the Congress the list of priority coastal wetlands restoration projects required by paragraph (1) of this subsection. Thereafter, the list shall be updated annually by the Task Force members and transmitted by the Secretary to the Congress as part of the President's annual budget submission. Annual transmittals of the list to the Congress shall include a status report on each project and a statement from the Secretary of the Treasury indicating the amounts available for expenditure to carry out this title.
(4) LIST OF CONTENTS.--
(A) AREA IDENTIFICATION; PROJECT DESCRIPTION--The list of priority coastal wetlands restoration projects shall include, but not be limited to--
(i) identification, by map or other means, of the coastal area to be covered by the coastal wetlands restoration project; and
(ii) a detailed description of each proposed coastal wetlands restoration project including a justification for including such project on the list, the proposed activities to be carried out pursuant to each coastal wetlands restoration project, the benefits to be realized by such project, the identification of the lead Task Force member to undertake each proposed coastal wetlands restoration project and the responsibilities of each other participating Task Force member, an estimated timetable for the completion of each coastal wetlands restoration project, and the estimated cost of each project.
(B) PRE-PLAN.--Prior to the date on which the plan required by subsection (b) of this section becomes effective, such list shall include only those coastal wetlands restoration projects that can be substantially completed during a five-year period commencing on the date the project is placed on the list.

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

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

(b) FEDERAL AND STATE PROJECT PLANNING.--

(1) PLAN PREPARATION.--The Task Force shall prepare a plan to identify coastal wetlands restoration projects, in order of priority, based on the cost-effectiveness of such projects in creating, restoring, protecting, or enhancing the long-term conservation of coastal wetlands, taking into account the quality of such coastal wetlands, with due allowance for small-scale projects necessary to demonstrate the use of new techniques or materials for coastal wetlands restoration. Such restoration plan shall be completed within three years from the date of enactment of this title.

(2) PURPOSE OF THE PLAN.--The purpose of the restoration plan is to develop a comprehensive approach to restore and prevent the loss of, coastal wetlands in Louisiana. Such plan shall coordinate and integrate coastal wetlands restoration projects in a manner that will ensure the long-term conservation of the coastal wetlands of Louisiana.

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

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

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

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

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

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

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

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

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

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

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

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

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

(L) evaluation of the effectiveness of each coastal wetlands restoration project in achieving long-term solutions to arresting coastal wetlands loss in Louisiana.
(5) PLAN MODIFICATION.--The Task Force may modify the restoration plan from time to time as necessary to carry out the purposes of this section.
(6) PLAN SUBMISSION.--Upon completion of the restoration plan, the Secretary shall submit the plan to the Congress. The restoration plan shall become effective ninety days after the date of its submission to the Congress.
(7) PLAN EVALUATION.--Not less than three years after the completion and submission of the restoration plan required by this subsection and at least every three years thereafter, the Task Force shall provide a report to the Congress containing a scientific evaluation of the effectiveness of the coastal wetlands restoration projects carried out under the plan in creating, restoring, protecting and enhancing coastal wetlands in Louisiana.
(c) COASTAL WETLANDS RESTORATION PROJECT BENEFITS.--Where such a determination is required under applicable law, the net ecological, aesthetic, and cultural benefits, together with the economic benefits, shall be deemed to exceed the costs of any coastal wetlands restoration project within the State which the Task Force finds to contribute significantly to wetlands restoration.
(d) CONSISTENCY.--(1) In implementing, maintaining, modifying, or rehabilitating navigation, flood control or irrigation projects, other than emergency actions, under other authorities, the Secretary, in consultation with the Director and the Administrator, shall ensure that such actions are consistent with the purposes of the restoration plan submitted pursuant to this section.
(2) At the request of the Governor of the State of Louisiana, the Secretary of Commerce shall approve the plan as an amendment to the State's coastal zone management program approved under section 306 of the Coastal Zone Management Act of 1972 (16 U.S.C. 1455).
(e) FUNDING OF WETLANDS RESTORATION PROJECTS.--The Secretary shall, with the funds made available in accordance with this title, allocate such funds among the members of the Task Force to carry out coastal wetlands restoration projects in accordance with the priorities set forth in the list transmitted in accordance with this section. The Secretary shall not fund a coastal wetlands restoration project unless that project is subject to such terms and conditions as necessary to ensure that wetlands restored, enhanced or managed through that project will be administered for the long-term conservation of such lands and waters and dependent fish and wildlife populations.
(f) COST-SHARING.--
(1) FEDERAL SHARE.--Amounts made available in accordance with section 306 of this title to carry out coastal wetlands restoration projects under this title shall provide 75 percent of the cost of such projects.
(2) FEDERAL SHARE UPON CONSERVATION PLAN APPROVAL.--Notwithstanding the previous paragraph, if the State develops a Coastal Wetlands Conservation Plan pursuant to this title, and such conservation plan is approved pursuant to section 304 of this title, amounts made available in accordance with section 306 of this title for any coastal wetlands restoration project under this section shall be 85 percent of the cost of the project. In the event that the Secretary, the Director, and the Administrator jointly determine that the State is not taking reasonable steps to implement and administer a conservation plan developed and approved pursuant to this title, amounts made available in accordance with section 306 of this title for any coastal wetlands restoration project shall revert to 75 percent of the cost of the project:

Provided, however, that such reversion to the lower cost share level shall not occur until the Governor, has been provided notice of, and opportunity for hearing on, any such determination by the Secretary, the Director, and Administrator, and the State has been given ninety days from such notice or hearing to take corrective action.
(3) FORM OF STATE SHARE.--The share of the cost required of the State shall be from a non-Federal source. Such State share shall consist of a cash contribution of not less than 5 percent of the cost of the project. The balance of such State share may take the form of lands, easements, or right-of-way, or any other form of in-kind contribution determined to be appropriate by the lead Task Force member.
(4) Paragraphs (1), (2), and (3) of this subsection shall not affect the existing cost-sharing agreements for the following projects: Caernarvon Freshwater Diversion, Davis Pond Freshwater Diversion, and Bonnet Carre Freshwater Diversion.

SEC. 304. LOUISIANA COASTAL WETLANDS CONSERVATION PLANNING.

(a) DEVELOPMENT OF CONSERVATION PLAN.--
(1) AGREEMENT.--The Secretary, the Director, and the Administrator are directed to enter into an agreement with the Governor, as set forth in paragraph (2) of this subsection, upon notification of the Governor's willingness to enter into such agreement.
(2) TERMS OF AGREEMENT.--
(A) Upon receiving notification pursuant to paragraph (1) of this subsection, the Secretary, the Director, and the Administrator shall promptly enter into an agreement (hereafter in this section referred to as the "agreement") with the State under the terms set forth in subparagraph (B) of this paragraph.
(B) The agreement shall--
(i) set forth a process by which the State agrees to develop, in accordance with this section, a coastal wetlands conservation plan (hereafter in this section referred to as the "conservation plan");
(ii) designate a single agency of the State to develop the conservation plan;
(iii) assure an opportunity for participation in the development of the conservation plan, during the planning period, by the public and by Federal and State agencies;
(iv) obligate the State, not later than three years after the date of signing the agreement, unless extended by the parties thereto, to submit the conservation plan to the Secretary, the Director, and the Administrator for their approval; and
(v) upon approval of the conservation plan, obligate the State to implement the conservation plan.
(3) GRANTS AND ASSISTANCE.--Upon the date of signing the agreement--
(A) the Administrator shall, in consultation with the Director, with the funds made available in accordance with section 306 of this title, make grants during the development of the conservation plan to assist the designated State agency in developing such plan. Such grants shall not exceed 75 percent of the cost of developing the plan; and
(B) the Secretary, the Director, and the Administrator shall provide technical assistance to the State to assist it in the development of the plan.
(b) CONSERVATION PLAN GOAL.--If a conservation plan is developed pursuant to this section, it shall have a goal of achieving no net loss of wetlands in the coastal areas of Louisiana as a result of development activities initiated subsequent to approval of the plan, exclusive of any wetlands gains achieved through implementation of the preceding section of this title.

(c) ELEMENTS OF CONSERVATION PLAN.--The conservation plan authorized by this section shall include--
(1) identification of the entire coastal area in the State that contains coastal wetlands;
(2) designation of a single State agency with the responsibility for implementing and enforcing the plan;
(3) identification of measures that the State shall take in addition to existing Federal authority to achieve a goal of no net loss of wetlands as a result of development activities, exclusive of any wetlands gains achieved through implementation of the preceding section of this title;
(4) a system that the State shall implement to account for gains and losses of coastal wetlands within coastal areas for purposes of evaluating the degree to which the goal of no net loss of wetlands as a result of development activities in such wetlands or other waters has been attained;
(5) satisfactory assurance that the State will have adequate personnel, funding, and authority to implement the plan;
(6) a program to be carried out by the State for the purpose of educating the public concerning the necessity to conserve wetlands;
(7) a program to encourage the use of technology by persons engaged in development activities that will result in negligible impact on wetlands; and
(8) a program for the review, evaluation, and identification of regulatory and nonregulatory options that will be adopted by the State to encourage and assist private owners of wetlands to continue to maintain those lands as wetlands.
(d) APPROVAL OF CONSERVATION PLAN.--
(1) IN GENERAL.--If the Governor submits a conservation plan to the Secretary, the Director, and the Administrator for their approval, the Secretary, the Director, and the Administrator shall, within one hundred and eighty days following receipt of such plan, approve or disapprove it.
(2) APPROVAL CRITERIA.--The Secretary, the Director, and the Administrator shall approve a conservation plan submitted by the Governor, if they determine that -
(A) the State has adequate authority to fully implement all provisions of such a plan;
(B) such a plan is adequate to attain the goal of no net loss of coastal wetlands as a result of development activities and complies with the other requirements of this section; and
(C) the plan was developed in accordance with terms of the agreement set forth in subsection (a) of this section.
(e) MODIFICATION OF CONSERVATION PLAN.--
(1) NONCOMPLIANCE.--If the Secretary, the Director, and the Administrator determine that a conservation plan submitted by the Governor does not comply with the requirements of subsection (d) of this section, they shall submit to the Governor a statement explaining why the plan is not in compliance and how the plan should be changed to be in compliance.
(2) RECONSIDERATION.--If the Governor submits a modified conservation plan to the Secretary, the Director, and the Administrator for their reconsideration, the Secretary, the Director, and Administrator shall have ninety days to determine whether the modifications are sufficient to bring the plan into compliance with requirements of subsection (d) of this section.
(3) APPROVAL OF MODIFIED PLAN.--If the Secretary, the Director, and the Administrator fail to approve or disapprove the conservation plan, as modified, within the ninety-day period following the date on which it was submitted to them by the Governor, such plan, as

modified, shall be deemed to be approved effective upon the expiration of such ninety-day period.
(f) AMENDMENTS TO CONSERVATION PLAN.--If the Governor amends the conservation plan approved under this section, any such amended plan shall be considered a new plan and shall be subject to the requirements of this section; except that minor changes to such plan shall not be subject to the requirements of this section.
(g) IMPLEMENTATION OF CONSERVATION PLAN.--A conservation plan approved under this section shall be implemented as provided therein.
(h) FEDERAL OVERSIGHT.--
(1) INITIAL REPORT TO CONGRESS.--Within one hundred and eighty days after entering into the agreement required under subsection (a) of this section, the Secretary, the Director, and the Administrator shall report to the Congress as to the status of a conservation plan approved under this section and the progress of the State in carrying out such a plan, including and accounting, as required under subsection (c) of this section, of the gains and losses of coastal wetlands as a result of development activities.
(2) REPORT TO CONGRESS.--Twenty-four months after the initial one hundred and eighty day period set forth in paragraph (1), and at the end of each twenty-four-month period thereafter, the Secretary, the Director, and the Administrator shall, report to the Congress on the status of the conservation plan and provide an evaluation of the effectiveness of the plan in meeting the goal of this section.

SEC. 305 NATIONAL COASTAL WETLANDS CONSERVATION GRANTS.

(a) MATCHING GRANTS.--The Director shall, with the funds made available in accordance with the next following section of this title, make matching grants to any coastal State to carry out coastal wetlands conservation projects from funds made available for that purpose.
(b) PRIORITY.--Subject to the cost-sharing requirements of this section, the Director may grant or otherwise provide any matching moneys to any coastal State which submits a proposal substantial in character and design to carry out a coastal wetlands conservation project. In awarding such matching grants, the Director shall give priority to coastal wetlands conservation projects that are--
(1) consistent with the National Wetlands Priority Conservation Plan developed under section 301 of the Emergency Wetlands Resources Act (16 U.S.C. 3921); and
(2) in coastal States that have established dedicated funding for programs to acquire coastal wetlands, natural areas and open spaces. In addition, priority consideration shall be given to coastal wetlands conservation projects in maritime forests on coastal barrier islands.
(c) CONDITIONS.--The Director may only grant or otherwise provide matching moneys to a coastal State for purposes of carrying out a coastal wetlands conservation project if the grant or provision is subject to terms and conditions that will ensure that any real property interest acquired in whole or in part, or enhanced, managed, or restored with such moneys will be administered for the long-term conservation of such lands and waters and the fish and wildlife dependent thereon.
(d) COST-SHARING.--
(1) FEDERAL SHARE.--Grants to coastal States of matching moneys by the Director for any fiscal year to carry out coastal wetlands conservation projects shall be used for the payment of not to exceed 50 percent of the total costs of such projects: except that such matching moneys may be used for payment of not to exceed 75 percent of the costs of such projects if a coastal

State has established a trust fund, from which the principal is not spent, for the purpose of acquiring coastal wetlands, other natural area or open spaces.
(2) FORM OF STATE SHARE.--The matching moneys required of a coastal State to carry out a coastal wetlands conservation project shall be derived from a non-Federal source.
(3) IN-KIND CONTRIBUTIONS.--In addition to cash outlays and payments, in-kind contributions of property or personnel services by non-Federal interests for activities under this section may be used for the non-Federal share of the cost of those activities.
(e) PARTIAL PAYMENTS.--
(1) The Director may from time to time make matching payments to carry out coastal wetlands conservation projects as such projects progress, but such payments, including previous payments, if any, shall not be more than the Federal pro rata share of any such project in conformity with subsection (d) of this section.
(2) The Director may enter into agreements to make matching payments on an initial portion of a coastal wetlands conservation project and to agree to make payments on the remaining Federal share of the costs of such project from subsequent moneys if and when they become available. The liability of the United States under such an agreement is contingent upon the continued availability of funds for the purpose of this section.
(f) WETLANDS ASSESSMENT.--The Director shall, with the funds made available in accordance with the next following section of this title, direct the U.S. Fish and Wildlife Service's National Wetlands Inventory to update and digitize wetlands maps in the State of Texas and to conduct an assessment of the status, condition, and trends of wetlands in that State.

SEC. 306. DISTRIBUTION OF APPROPRIATIONS.

(a) PRIORITY PROJECT AND CONSERVATION PLANNING EXPENDITURES.--Of the total amount appropriated during a given fiscal year to carry out this title, 70 percent, not to exceed $70,000,000, shall be available, and shall remain available until expended, for the purposes of making expenditures--
(1) not to exceed the aggregate amount of $5,000,000 annually to assist the Task Force in the preparation of the list required under this title and the plan required under this title, including preparation of--
(A) preliminary assessments;
(B) general or site-specific inventories;
(C) reconnaissance, engineering or other studies;
(D) preliminary design work; and
(E) such other studies as may be necessary to identify and evaluate the feasibility of coastal wetlands restoration projects;
(2) to carry out coastal wetlands restoration projects in accordance with the priorities set forth on the list prepared under this title;
(3) to carry out wetlands restoration projects in accordance with the priorities set forth in the restoration plan prepared under this title;
(4) to make grants not to exceed $2,500,000 annually or $10,000,000 in total, to assist the agency designated by the State in development of the Coastal Wetlands Conservation Plan pursuant to this title.
(b) COASTAL WETLANDS CONSERVATION GRANTS.--Of the total amount appropriated during a given fiscal year to carry out this title, 15 percent, not to exceed $15,000,000 shall be available, and shall remain available to the Director, for purposes of making grants--

(1) to any coastal State, except States eligible to receive funding under section 306(a), to carry out coastal wetlands conservation projects in accordance with section 305 of this title; and
(2) in the amount of $2,500,000 in total for an assessment of the status, condition, and trends of wetlands in the State of Texas.
(c) NORTH AMERICAN WETLANDS CONSERVATION.--Of the total amount appropriated during a given fiscal year to carry out this title, 15 percent, not to exceed $15,000,000, shall be available to, and shall remain available until expended by, the Secretary of the Interior for allocation to carry out wetlands conservation projects in any coastal State under section 8 of the North American Wetlands Conservation Act (Public Law 101-233, 103 Stat. 1968, December 13, 1989).
SEC. 307. GENERAL PROVISIONS.

(a) ADDITIONAL AUTHORITY FOR THE CORPS OF ENGINEERS.--The Secretary is authorized to carry out projects for the protection, restoration, or enhancement of aquatic and associated ecosystems, including projects for the protection, restoration, or creation of wetlands and coastal ecosystems. In carrying out such projects, the Secretary shall give such projects equal consideration with projects relating to irrigation, navigation, or flood control.
(b) STUDY.--The Secretary is hereby authorized and directed to study the feasibility of modifying the operation of existing navigation and flood control projects to allow for an increase in the share of the Mississippi River flows and sediment sent down the Atchafalaya River for purposes of land building and wetlands nourishment.

SEC.308. CONFORMING AMENDMENT.

16 U.S.C. 777c is amended by adding the following after the first sentence: "The Secretary shall distribute 18 per centum of each annual appropriation made in accordance with the provisions of section 777b of this title as provided in the Coastal Wetlands Planning, Protection and Restoration Act: Provided, That, notwithstanding the provisions of section 777b, such sums shall remain available to carry out such Act through fiscal year 1999."

LEGISLATIVE HISTORY – H.R. 5390 (S. 2244):

SENATE REPORTS: No. 101-523 accompanying S. 2244 (Comm. On Environmental and Public Works).
CONGRESSIONAL RECORD, Vol. 136 (1990):
Oct. 1, considered and passed House.
Oct. 26, considered and passed Senate, amended, in lieu of S. 2244.
Oct. 27, House concurred in Senate amendment.
WEEKLY COMPILATION OF PRESIDENTIAL DOCUMENTS, Vol. 26 (1990):
Nov. 29, Presidential statement.

Statement on signing the Bill on Wetland and Coastal Inland Waters Protection and Restoration Programs, November 29, 1990.

Today I am signing H.R. 5390, "An Act to prevent and control infestation of the coastal inland waters of the United States by the zebra mussel and other nonindigenous

aquatic species to reauthorize the National Sea Grant College Program, and for other purposes." This Act is designed to minimize, monitor, and control nonindigenous species that become established in the United States, particularly the zebra mussel; establish wetlands protection and restoration programs in Louisiana and nationally; and promote fish and wildlife conservation in the Great Lakes.

Title III of this Act designates a State official not subject to executive control as a member of the Louisiana Coastal Wetlands Conservation and Restoration Task Force. This official would be the only member of the Task Force whose appointment would not conform to the Appointments Clause of the Constitution.

The Task Force will set priorities for wetland restoration and formulate Federal conservation plans. Certain of its duties, which ultimately determine funding levels for particular restoration projects, are an exercise of significant authority that must be undertaken by an officer of the United States, appointed in accordance with the Appointments Clause, Article II, sec. 2, cl. 2, of the Constitution.

In order to constitutionally enforce this program, I instruct the Task Force to promulgate its priorities list under section 303(a)(2) "by a majority vote of those Task Force members who are present and voting," and to consider the State official to be a nonvoting member of the Task Force for this purpose. Moreover, the Secretary of the Army should construe "lead Task Force member" to include only those members appointed in conformity with the Appointments Clause.

George Bush

The White House,
November 29, 1990.

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Appendix B

Wetland Value Assessment Methodology and Community Models

Appendix B

Wetland Value Assessment Methodology and Community Models

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WETLAND VALUE ASSESSMENT METHODOLOGY

Emergent Marsh Community Models

INTRODUCTION

The emergent marsh models were initially developed after passage of the CWPPRA during 1990 and were first used for evaluating candidate projects in 1991. The following sections describe the process and assumptions used in the initial development of those models. Since their initial development, these models have undergone several revisions including the omission of certain variables, modifications to the Suitability Index graphs, and modifications to the Habitat Suitability Index formulas.

These models were developed to determine the suitability of emergent marsh and open water habitats in the Louisiana coastal zone. These models were designed to function at a community level and therefore attempt to define an optimal combination of habitat conditions for all fish and wildlife species utilizing coastal marsh ecosystems.

VARIABLE SELECTION

Variables for the emergent marsh models were selected through a two-part procedure. The first involved a listing of environmental variables thought to be important in characterizing fish and wildlife habitat in coastal marsh ecosystems. The second part of the selection procedure involved reviewing variables used in species-specific HSI models published by the U.S. Fish and Wildlife Service. Review was limited to HSI models for those fish and wildlife species known to inhabit Louisiana coastal wetlands, and included models for 10 estuarine fish and shellfish, 4 freshwater fish, 12 birds, 3 reptiles and amphibians, and 3 mammals (Table 1). The number of models included from each species group was dictated by model availability.

Selected HSI models were then grouped according to the marsh type(s) used by each species. Because most species for which models were considered are not restricted to one marsh type, most models were included in more than one marsh type group. Within each wetland type group, variables from all models were then grouped according to similarity (e.g., water quality, vegetation, etc.). Each variable was evaluated based on 1) whether it met the variable selection criteria; 2) whether another, more easily measured/predicted variable in the same or a different similarity group functioned as a surrogate; and 3) whether it was deemed suitable for the WVA application (e.g., some freshwater fish model variables dealt with riverine or lacustrine environments). Variables that did not satisfy those conditions were eliminated from further consideration. The remaining variables, still in their similarity groups, were then further eliminated or refined by combining similar variables and/or culling those that were functionally duplicated by variables from other models (i.e., some variables were used frequently in different models in only slightly different format).

Table 1. HSI Models Consulted for Variables for Possible Use in the Emergent Marsh Models

Estuarine Fish and Shellfish	Birds	Mammals
pink shrimp	white-fronted goose	mink
white shrimp	clapper rail	muskrat
brown shrimp	great egret	swamp rabbit
spotted seatrout	northern pintail	
Gulf flounder	mottled duck	Freshwater Fish
southern flounder	American coot	channel catfish
Gulf menhaden	marsh wren	largemouth bass
juvenile spot	snow goose	red ear sunfish
juvenile Atlantic croaker	great blue heron	bluegill
red drum	laughing gull	
	red-winged blackbird	
Reptiles and Amphibians	roseate spoonbill	
bullfrog		
slider turtle		
American alligator		

Variables selected from the HSI models were then compared to those identified in the first part of the selection procedure to arrive at a final list of variables to describe wetland habitat quality. That list includes six variables for each marsh type; 1) percent of the wetland covered by emergent vegetation, 2) percent of the open water covered by aquatic vegetation, 3) marsh edge and interspersion, 4) percent of the open water area $\leq$ 1.5 feet deep, 5) salinity, 6) aquatic organism access.

SUITABILITY INDEX GRAPH DEVELOPMENT

A variety of resources was utilized to construct each SI graph, including the HSI models from which the final list of variables was partially derived, consultation with other professionals and researchers outside the EnvWG, published and unpublished data and studies, and personal knowledge of EnvWG members. An important "non-biological" constraint on SI graph development was the need to insure that graph relationships were not counter to the purpose of the CWPPRA, that is, the long term creation, restoration, protection, or enhancement of coastal vegetated wetlands. That constraint was most operative in defining SI graphs for Variable V_1 (percent emergent marsh). The process of SI graph development was one of constant evolution, feedback, and refinement; the form of each SI graph was decided upon through consensus among EnvWG members.

The Suitability Index graphs were developed according to the following assumptions.

Variable V_1 - Percent of wetland area covered by emergent vegetation. Persistent emergent vegetation plays an important role in coastal wetlands by providing foraging, resting, and breeding habitat for a variety of fish and wildlife species; and by providing a source of detritus and energy for lower trophic organisms that form the basis of

the food chain. An area with no emergent vegetation (i.e., shallow open water) is assumed to have minimal habitat suitability in terms of this variable, and is assigned an SI of 0.1.

Optimal vegetative coverage is assumed to occur at 100 percent (SI=1.0). That assumption is dictated primarily by the constraint of not having graph relationships conflict with the CWPPRA's purpose of long term creation, restoration, protection, or enhancement of vegetated wetlands. The EnvWG had originally developed a strictly biologically-based graph defining optimal habitat conditions at marsh cover values between 60 and 80 percent, and sub-optimal habitat conditions outside that range. However, application of that graph, in combination with the time analysis used in the evaluation process (i.e., 20-year project life), often reduced project benefits or generated a net loss of habitat quality through time with the project. Those situations arose primarily when: existing (baseline) emergent vegetation cover exceeded the optimum (> 80 percent); the project was predicted to maintain baseline cover values; and without the project the marsh was predicted to degrade, with a concurrent decline in percent emergent vegetation into the optimal range (60-80 percent). The time factor aggravated the situation when the without-project degradation was not rapid enough to reduce marsh cover values significantly below the optimal range, or below the baseline SI, within the 20-year evaluation period. In those cases, the analysis would show net negative benefits for the project, and positive benefits for letting the marsh degrade rather than maintaining the existing marsh. Coupling that situation with the presumption that marsh conditions are not static, and that Louisiana will continue to lose coastal emergent marsh; and taking into account the purpose of the CWPPRA, the EnvWG decided that, all other factors being equal, the models should favor projects that maximize emergent marsh creation, maintenance, and protection. Therefore, the EnvWG agreed to deviate from a strictly biologically-based habitat suitability index graph for V_1 and established optimal habitat conditions at 100 percent marsh cover.

Variable V_2 - Percent of open water area covered by aquatic vegetation. Fresh and intermediate marshes often support diverse communities of floating-leaved and submerged aquatic plants that provide important food and cover to a wide variety of fish and wildlife species. A fresh/intermediate open water area with no aquatics is assumed to have low suitability (SI=0.1). Optimal conditions (SI=1.0) are assumed to occur when 100 percent of the open water is dominated by aquatic vegetation. Habitat suitability may be assumed to decrease with aquatic plant coverage approaching 100 percent due to the potential for mats of aquatic vegetation to hinder fish and wildlife utilization; to adversely affect water quality by reducing photosynthesis by phytoplankton and other plant forms due to shading; and contribute to oxygen depletion spurred by warm-season decay of large quantities of aquatic vegetation. The EnvWG recognized, however, that those effects were highly dependent on the dominant aquatic plant species, their growth forms, and their arrangement in the water column; thus, it is possible to have 100 percent cover of a variety of floating and submerged aquatic plants without the above-mentioned problems due to differences in plant growth form and stratification of plants through the water column. Because predictions of which species may dominate at any time in the future would be tenuous, at best, the EnvWG decided to simplify the graph and define optimal conditions at 100 percent aquatic cover.

Brackish marshes also have the potential to support aquatic plants that serve as important sources of food and cover for several species of fish and wildlife. Although brackish marshes generally do not support the amounts and kinds of aquatic plants that

occur in fresh/intermediate marshes, certain species, such as widgeon-grass, and coontail and milfoil in lower salinity brackish marshes, can occur abundantly under certain conditions. Those species, particularly widgeon-grass, provide important food and cover for many species of fish and wildlife. Therefore, the V_2 Suitability Index graph in the brackish marsh model is identical to that in the fresh/intermediate model.

Some low-salinity saline marshes may contain beds of widgeon-grass and open water areas behind some barrier islands may contain dense stands of seagrasses (e.g., *Halodule wrightii* and *Thalassia testudinum*). However, saline marshes typically do not contain an abundance of aquatic vegetation as often found in fresh/intermediate and brackish marshes. Open water areas in saline marshes typically contain sparse aquatic vegetation and are primarily important as nursery areas for marine organisms. Therefore, in order to reflect the importance of those open water areas to marine organisms, a saline marsh lacking aquatic vegetation is assigned a SI=0.3. It is assumed that optimal coverage of aquatic plants occurs at 100 percent.

Variable V_3 - Marsh edge and interspersion. This variable takes into account the relative juxtaposition of marsh and open water for a given marsh:open water ratio, and is measured by comparing the project area to sample illustrations (Appendix A) depicting different degrees of interspersion. Interspersion is assumed to be especially important when considering the value of an area as foraging and nursery habitat for freshwater and estuarine fish and shellfish; the marsh/open water interface represents an ecotone where prey species often concentrate, and where post-larval and juvenile organisms can find cover. Isolated marsh ponds are often more productive in terms of aquatic vegetation than are larger ponds due to decreased turbidity, and, thus, may provide more suitable waterfowl habitat. However, interspersion can be indicative of marsh degradation, a factor taken into consideration in assigning suitability indices to the various interspersion classes.

A relatively high degree of interspersion in the form of stream courses and tidal channels (Interspersion Class 1) is assumed to be optimal (SI=1.0); streams and channels offer interspersion, yet are not indicative of active marsh deterioration. Areas exhibiting a high degree of marsh cover are also ranked as optimal, even though interspersion may be low, to avoid conflicts with the premises underlying the SI graph for variable V_1. Without such an allowance, areas of relatively healthy, solid marsh, or projects designed to create marsh, would be penalized with respect to interspersion. Numerous small marsh ponds (Interspersion Class 2) offer a high degree of interspersion, but are also usually indicative of the beginnings of marsh break-up and degradation, and are therefore assigned a more moderate SI of 0.6. Large open water areas (Interspersion Classes 3 and 4) offer lower interspersion values and usually indicate advanced stages of marsh loss, and are thus assigned SI's of 0.4 and 0.2, respectively. The lowest expression of interspersion, Class 5 (i.e., no emergent marsh at all within the project area), is assumed to be least desirable and is assigned an SI=0.1.

Variable V_4 - Percent of open water area # 1.5 feet deep in relation to marsh surface. Shallow water areas are assumed to be more biologically productive than deeper water due to a general reduction in sunlight, oxygen, and temperature as water depth increases. Also, shallower water provides greater bottom accessibility for certain species of waterfowl, better foraging habitat for wading birds, and more favorable conditions for aquatic plant growth. Optimal open water conditions in a fresh/intermediate marsh are assumed to occur when 80 to 90 percent of the open water area is less than or equal to 1.5

feet deep. The value of deeper areas in providing drought refugia for fish, alligators and other marsh life is recognized by assigning an SI=0.6 (i.e., sub-optimal) if all of the open water is less than or equal to 1.5 feet deep.

Shallow water areas in brackish marsh habitat are also important. However, brackish marsh generally exhibits deeper open water areas than fresh marsh due to tidal scouring. Therefore, the SI graph is constructed so that lower percentages of shallow water receive higher SI values relative to fresh/intermediate marsh. Optimal open water conditions in a brackish marsh are assumed to occur when 70 to 80 percent of the open water area is less than or equal to 1.5 feet deep.

The SI graph for the saline marsh model is similar to that for brackish marsh, where optimal conditions are assumed to occur when 70 to 80 percent of the open water area is less than or equal to 1.5 feet deep. However, at 100 percent shallow water, the saline graph yields an SI= 0.5 rather than 0.6 as for the brackish model. That change reflects the increased abundance of tidal channels and generally deeper water conditions prevailing in a saline marsh due to increased tidal influences, and the importance of those tidal channels to estuarine organisms.

Variable V_5 - Salinity. It is assumed that periods of high salinity are most detrimental in a fresh/intermediate marsh when they occur during the growing season (defined as March through November, based on dates of first and last frost contained in Natural Resource Conservation Service soil surveys for coastal Louisiana). Therefore, mean high salinity is used as the salinity parameter for the fresh/intermediate marsh model. Mean high salinity is defined as the average of the upper 33 percent of salinity readings taken during a specified period of record. Optimal conditions in fresh marsh are assumed to occur when mean high salinity during the growing season is less than 2 parts per thousand (ppt). Optimal conditions in intermediate marsh are assumed to occur when mean high salinity during the growing season is less than 4 ppt.

For the brackish and saline marsh models, average annual salinity is used as the salinity parameter. The SI graph for brackish marsh is constructed to represent optimal conditions when salinities are between 0 ppt and 10 ppt. The EnvWG acknowledges that average annual salinities below 5 ppt will effectively define a marsh as fresh or intermediate, not brackish. However, the SI graph makes allowances for lower salinities to account for occasions when there is a trend of decreasing salinities through time toward a more intermediate condition. Implicit in keeping the graph at optimum for salinities less than 5 ppt is the assumption that lower salinities are not detrimental to a brackish marsh. However, average annual salinities greater than 10 ppt are assumed to be progressively more harmful to brackish marsh vegetation. Average annual salinities greater than 16 ppt are assumed to be representative of those found in a saline marsh, and thus are not considered in the brackish marsh model.

The SI graph for the saline marsh model is constructed to represent optimal salinity conditions at between 0 ppt and 21 ppt. The EnvWG acknowledges that average annual salinities below 10 ppt will effectively define a marsh as brackish, not saline. However, the suitability index graph makes allowances for lower salinities to account for occasions when there is a trend of decreasing salinities through time toward a more brackish condition. Implicit in keeping the graph at optimum for salinities less than 10 ppt is the assumption that lower salinities are not detrimental to a saline marsh. Average annual salinities greater than 21 ppt are assumed to be slightly stressful to saline marsh vegetation.

Variable V_6 - Aquatic organism access. Access by aquatic organisms, particularly estuarine-dependent fishes and shellfishes, is considered to be a critical component in assessing the quality of a given marsh system. Additionally, a marsh with a relatively high degree of access by default also exhibits a relatively high degree of hydrologic connectivity with adjacent systems, and therefore may be considered to contribute more to nutrient exchange than would a marsh exhibiting a lesser degree of access. The SI for V_6 is determined by calculating an "access value" based on the interaction between the percentage of the project area wetlands considered accessible by aquatic organisms during normal tidal fluctuations, and the type of man-made structures (if any) across identified points of ingress/egress (bayous, canals, etc.). Standardized procedures for calculating the Access Value have been established (Appendix B). It should be noted that access ratings for man-made structures were determined by consensus among EnvWG members and that scientific research has not been conducted to determine the actual access value for each of those structures. Optimal conditions are assumed to exist when all of the study area is accessible and the access points are entirely open and unobstructed.

A fresh marsh with no access is assigned an SI=0.3, reflecting the assumption that, while fresh marshes are important to some species of estuarine-dependent fishes and shellfish, such a marsh lacking access continues to provide benefits to a wide variety of other wildlife and fish species, and is not without habitat value. An intermediate marsh with no access is assigned an SI=0.2, reflecting that intermediate marshes are somewhat more important to estuarine-dependent organisms than fresh marshes. The general rationale and procedure behind the V_6 Suitability Index graph for the brackish marsh model is identical to that established for the fresh/intermediate model. However, brackish marshes are assumed to be more important as habitat for estuarine-dependent fish and shellfish than fresh/intermediate marshes. Therefore, a brackish marsh providing no access is assigned an SI of 0.1. The Suitability Index graph for aquatic organism access in the saline marsh model is the same as that in the brackish marsh model.

HABITAT SUITABILITY INDEX FORMULAS

In developing the HSI formulas, the EnvWG recognized that the primary focus of the CWPPRA is on vegetated wetlands, and that some marsh protection strategies could have adverse impacts to aquatic organism access. Therefore, the EnvWG made an *a priori* decision to emphasize variables V_1, V_2, and V_6 by grouping them together, when possible, and weighting them greater than the remaining variables. Weighting was facilitated by treating the grouped variables as a geometric mean. Variables V_3, V_4, and V_5 were grouped to isolate their influence relative to V_1, V_2, and V_6.

For all marsh models, V_1 receives the strongest weighting. The relative weights of V_1, V_2, and V_6 differ by marsh model to reflect differing levels of importance for those variables between the marsh types. For example, the amount of aquatic vegetation was deemed more important in a fresh/intermediate marsh than in a saline marsh, due to the relative contributions of aquatic vegetation between the two marsh types in terms of providing food and cover. Therefore, V_2 receives more weight in the fresh/intermediate HSI formula than in the saline HSI formula. Similarly, the degree of aquatic organism access was considered more important in a saline marsh than a fresh/intermediate marsh,

and V_6 receives more weight in the saline HSI formula than in the fresh/intermediate formula. As with the Suitability Index graphs, the Habitat Suitability Index formulas were developed by consensus among the EnvWG members.

For several years, 1991 through 1996, the EnvWG utilized one HSI formula specific to each marsh type. However, it was noted that variables V_2 and V_4, which characterize open water areas only, often resulted in an "artificially inflated" HSI when those variable values were optimal (i.e., SI = 1.0) and open water comprised a very small portion of the project area. For example, Project Area A contains 90 percent emergent marsh and 10 percent open water. Project Area B contains 10 percent emergent marsh and 90 percent open water. Assume the open water in each project area is completely covered by submerged aquatic vegetation and is entirely less than 1.5 feet in depth. Under those conditions, the Suitability Index values for V_2 and V_4 would equal 1.0 for both project areas even though open water only accounts for 10 percent of Project Area A. The EnvWG has commonly referred to this as a "scaling" problem; the Suitability Index values for V_2 and V_4 are not "scaled" in respect to the proportion of the project area they describe. This allows those variables to contribute disproportionately to the HSI in instances when open water constitutes a small portion of the project area.

The EnvWG acknowledged that the scaling problem presented a flaw in the WVA methodology resulting in unrealistic HSI values for certain project areas and eventually resulting in inflated wetland benefits for those projects. During 1996 and 1997, Dr. Gary Shaffer assisted the EnvWG in developing potential solutions to the scaling problem. After several unsuccessful attempts to develop a single HSI formula for each marsh type which scaled the Suitability Index values for V_2 and V_4 based on the ratio of emergent marsh to open water, the EnvWG decided to develop a "split" model for each marsh type. The split model utilizes two HSI formulas for each marsh type; one HSI formula characterizes the emergent habitat within the project area and another HSI formula characterizes the open water habitat. The HSI formula for the emergent habitat contains only those variables important in assessing habitat quality for emergent marsh (i.e., V_1, V_3, V_5, and V_6). Likewise, the open water HSI formula contains only those variables important in characterizing the open water habitat (i.e., V_2, V_3, V_4, V_5, and V_6). Individual HSI formulas were developed for emergent marsh and open water habitats for each marsh type.

As with the development of a single HSI model for each marsh type, the split models follow the same conventions for weighting and grouping of variables as previously discussed.

BENEFIT ASSESSMENT

As previously discussed, the marsh models are split into emergent marsh and open water components and an HSI is determined for both. Subsequently, net AAHUs are also determined for the emergent marsh and open water habitats within the project area. Net AAHUs for the emergent marsh and open water habitat components must be combined to determine total net benefits for the project.

The primary focus of the CWPPRA is on vegetated wetlands. Therefore, in order to place greater emphasis on wetland benefits to emergent marsh, a weighted average of the net benefits (net AAHUs) for emergent marsh and open water is calculated with the

emergent marsh AAHUs weighted proportionately higher than the open water AAHUs. The weighted formulas to determine net AAHUs for each marsh type are shown below:

Fresh Marsh: $\frac{2.1(\text{Emergent Marsh AAHUs}) + \text{Open Water AAHUs}}{3.1}$

Brackish Marsh: $\frac{2.6(\text{Emergent Marsh AAHUs}) + \text{Open Water AAHUs}}{3.6}$

Saline Marsh: $\frac{3.5(\text{Emergent Marsh AAHUs}) + \text{Open Water AAHUs}}{4.5}$

FRESH/INTERMEDIATE MARSH

Vegetation:

Variable V_1 Percent of wetland area covered by emergent vegetation.

Variable V_2 Percent of open water area covered by aquatic vegetation.

Interspersion:

Variable V_3 Marsh edge and interspersion.

Water Depth:

Variable V_4 Percent of open water area $\leq$ 1.5 feet deep, in relation to marsh surface.

Water Quality:

Variable V_5 Mean high salinity during the growing season (March through November).

Aquatic Organism Access:

Variable V_6 Aquatic organism access.

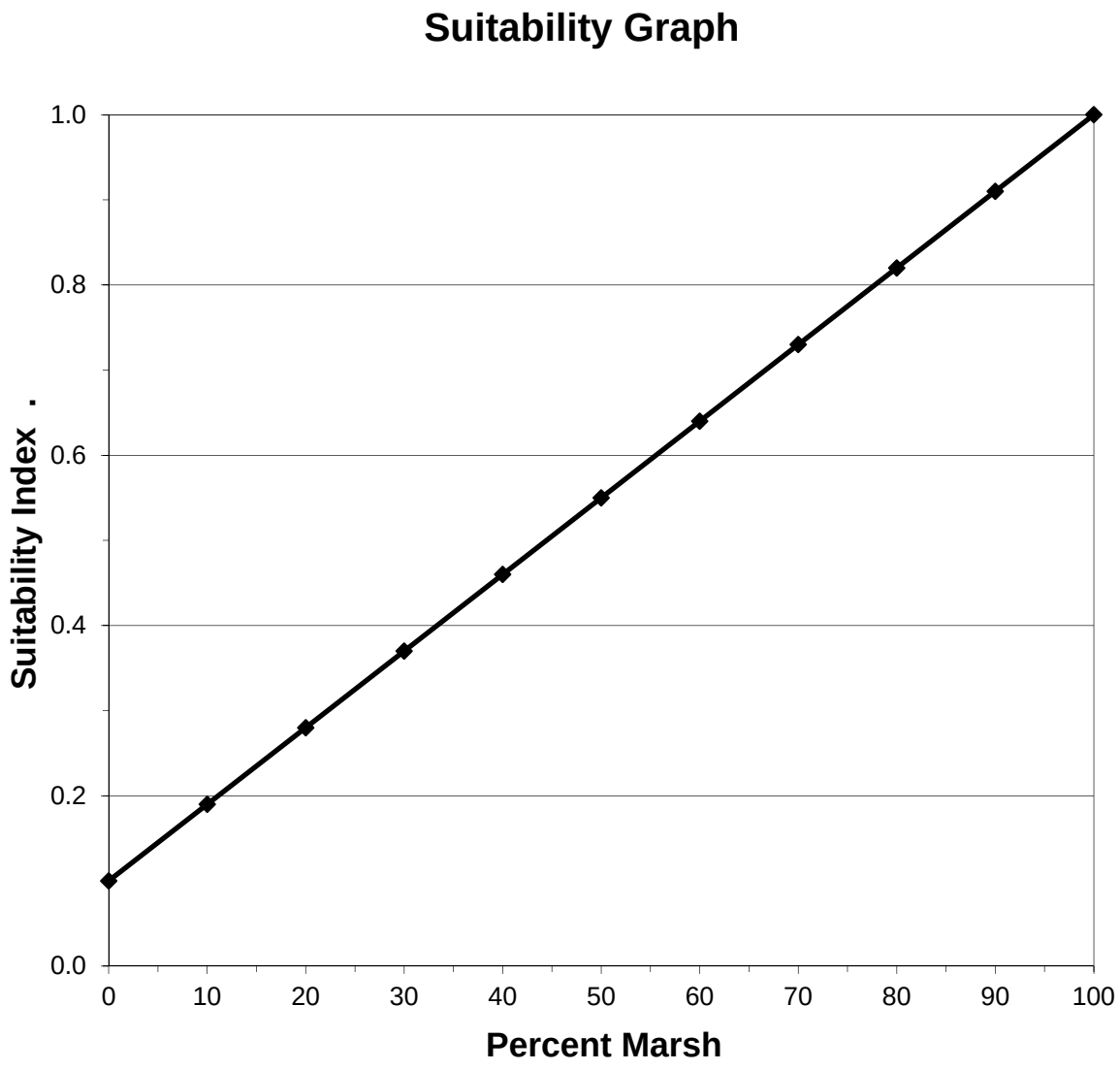
HSI Calculations:

$$\textit{Marsh HSI} = \left[\{3.5 \times (SIV_1^{5} \times SIV_6)^{(1/6)}\} + (SIV_3 + SIV_5)/2\right] \Big/ 4.5$$

$$\textit{Open Water HSI} = \left[\{3.5 \times (SIV_2^{3} \times SIV_6)^{(1/4)}\} + (SIV_3 + SIV_4 + SIV_5)/3\right] \Big/ 4.5$$

FRESH/INTERMEDIATE MARSH

Variable V_1 Percent of wetland area covered by emergent vegetation.

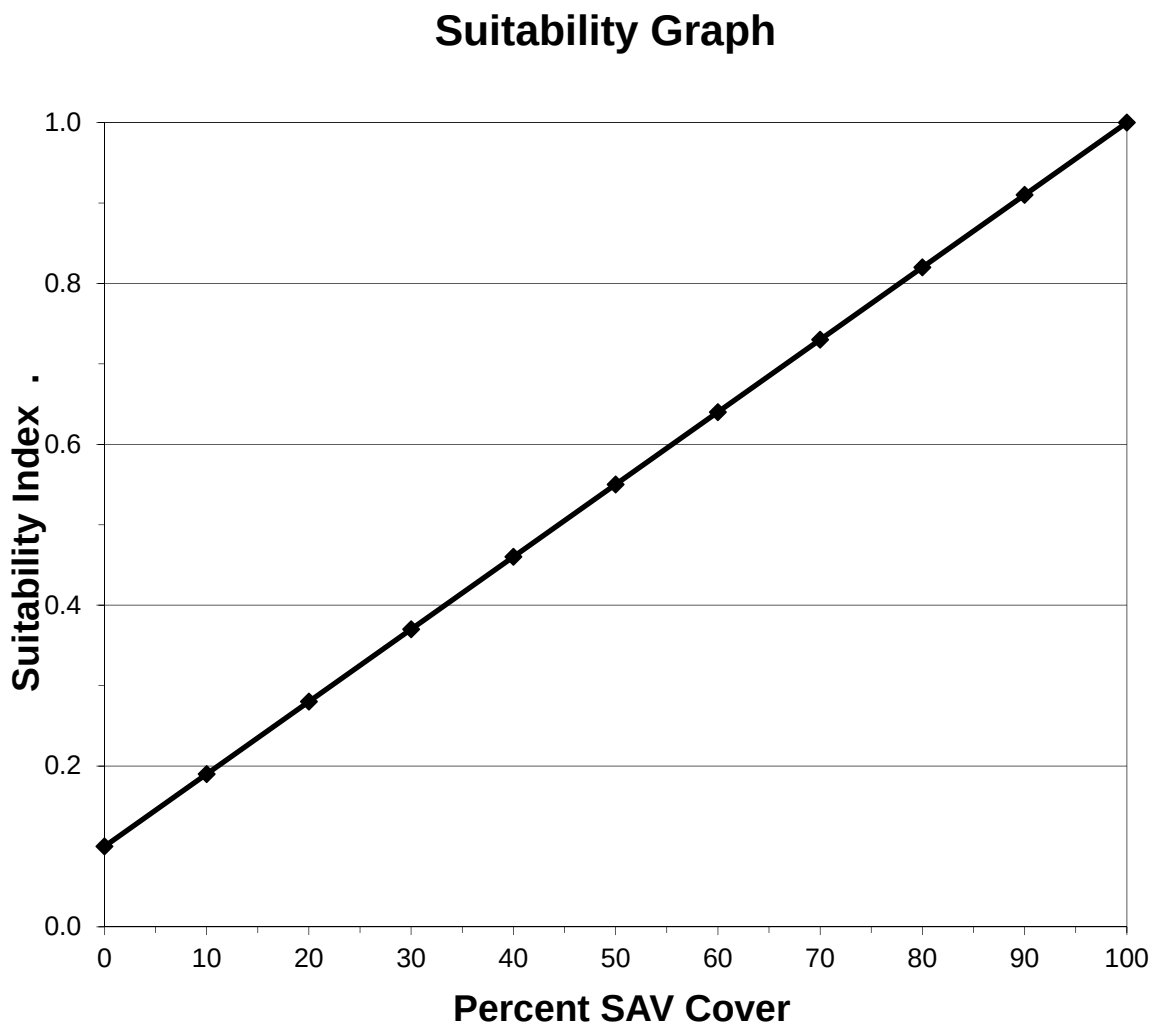


Line Formula

SI = (0.009 * %) + 0.1

FRESH/INTERMEDIATE MARSH

Variable V_2 Percent of open water area covered by aquatic vegetation.

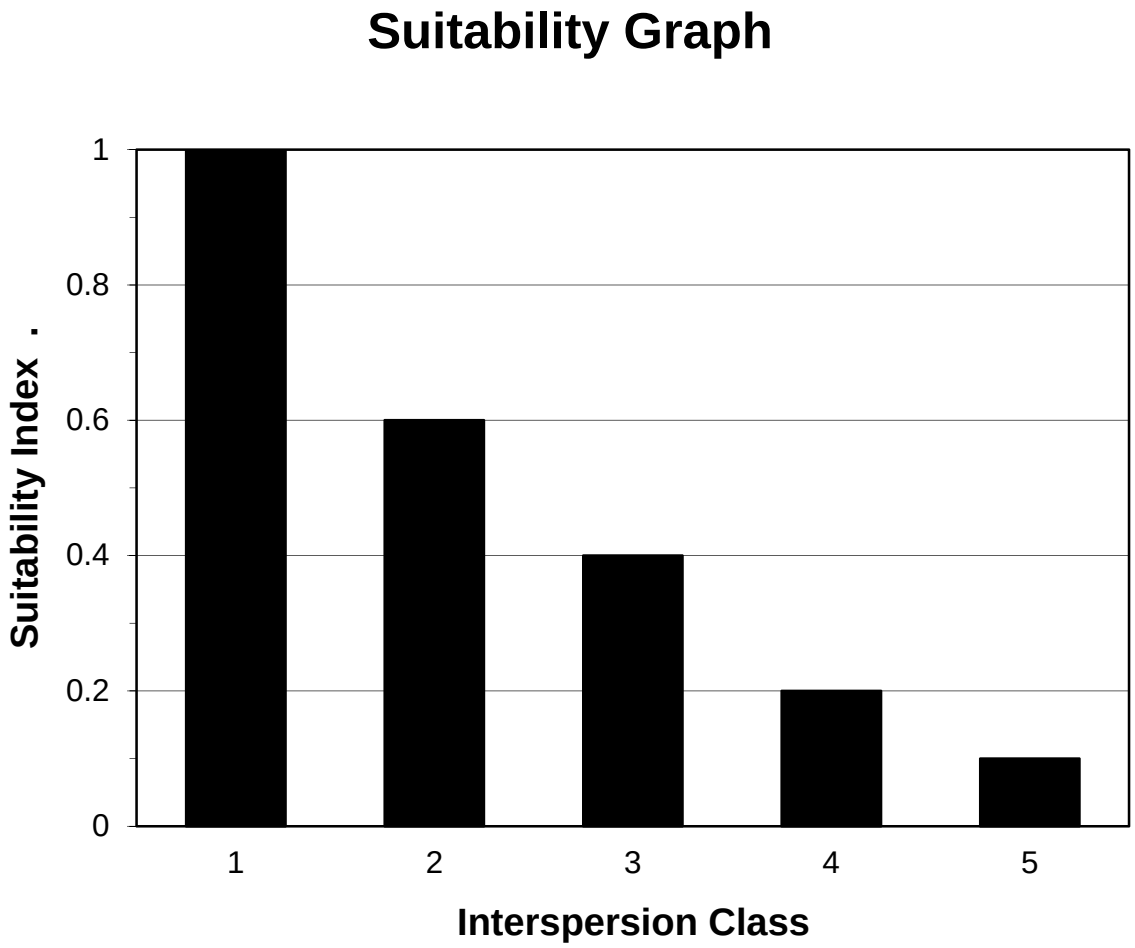


Line Formula

SI = (0.009 * %) + 0.1

FRESH/INTERMEDIATE MARSH

Variable V_3 Marsh edge and interspersion.



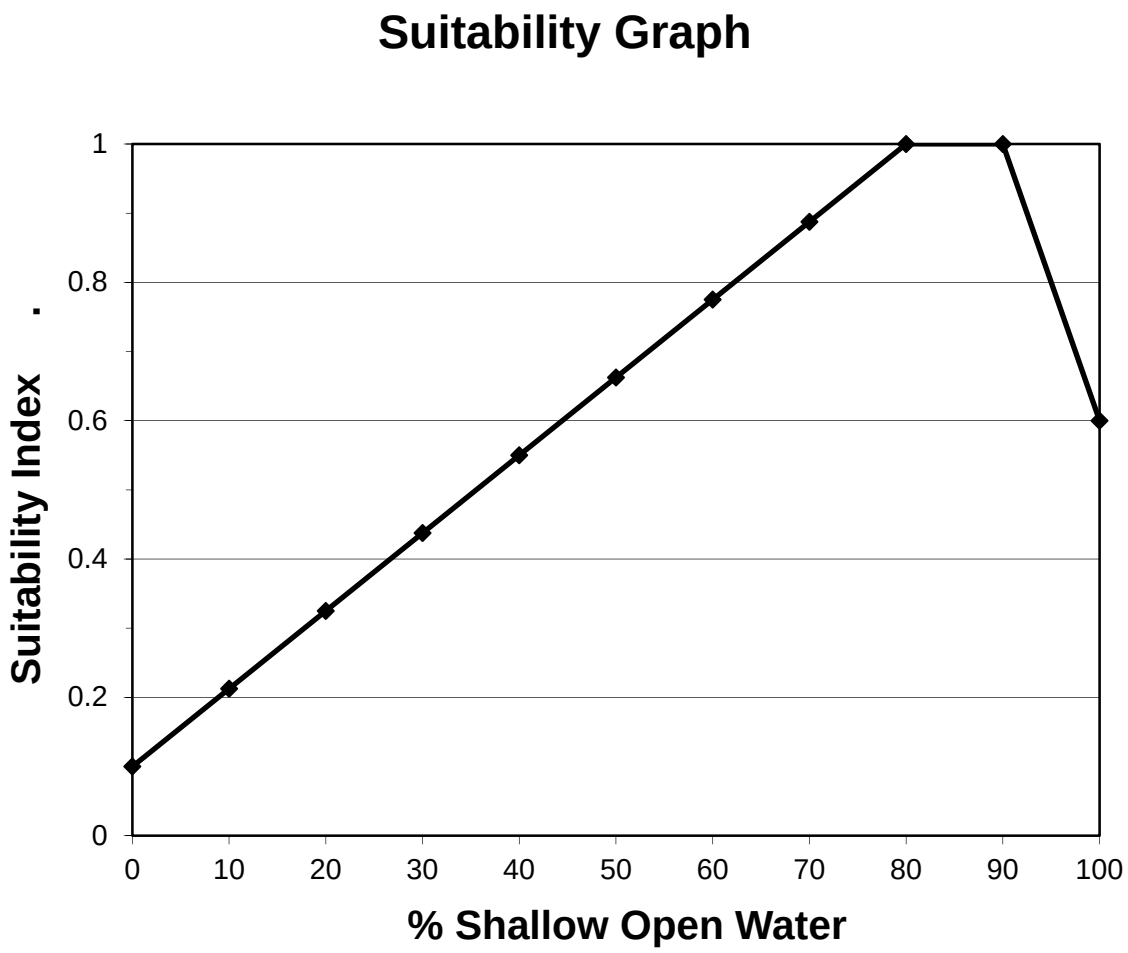
Instructions for Calculating the SI for Variable V_3:

1. Refer to Appendix A for examples of the different interspersion classes.

2. Estimate percent of project area in each class.

FRESH/INTERMEDIATE MARSH

Variable V_4 Percent of open water area $\leq$ 1.5 feet deep, in relation to marsh surface.



Line Formulas

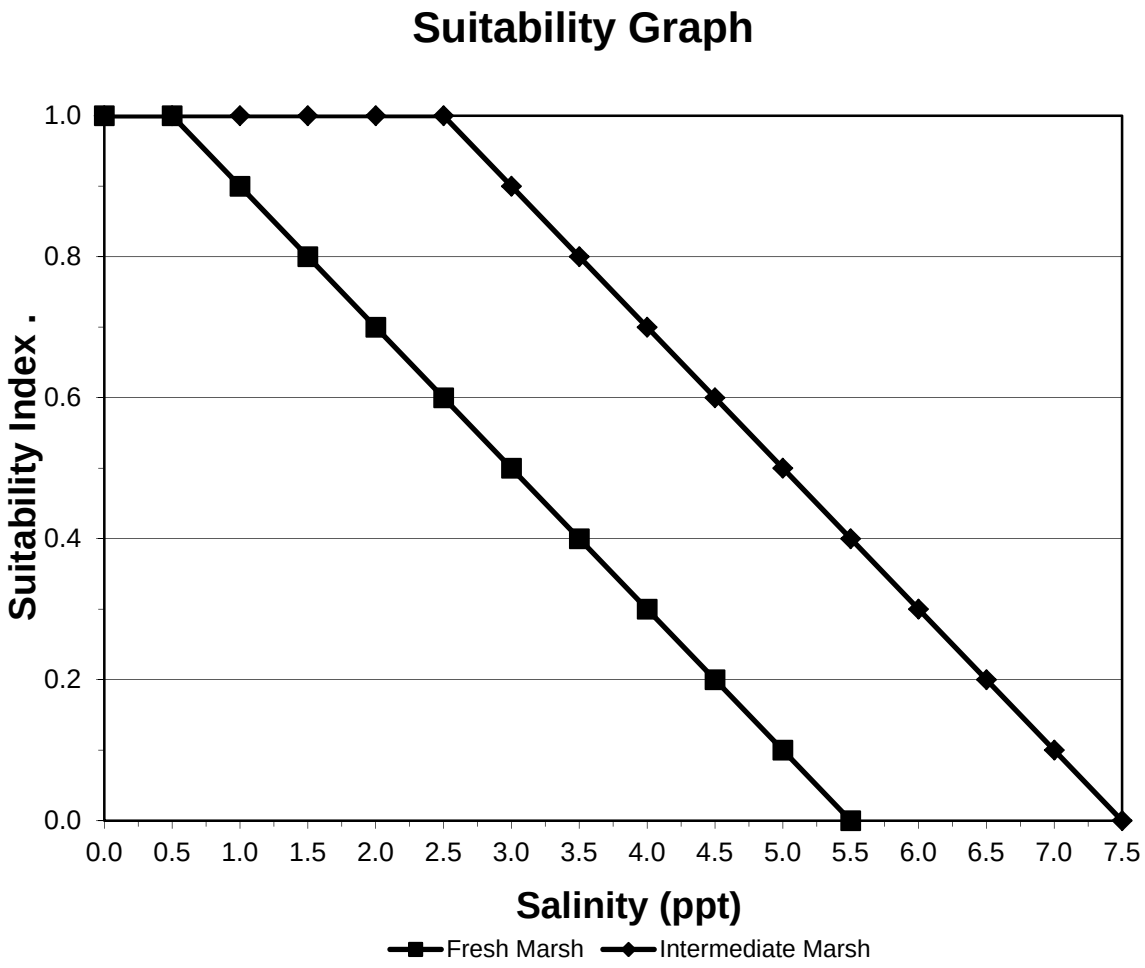
If $0 \leq \% < 80$, then SI = (0.01125 * %) + 0.1

If $80 \leq \% \leq 90$, then SI = 1.0

If % > 90, then SI = (-0.04 * %) + 4.6

FRESH/INTERMEDIATE MARSH

Variable V_5 Mean high salinity during the growing season (March through November).



Line Formulas

Fresh Marsh:

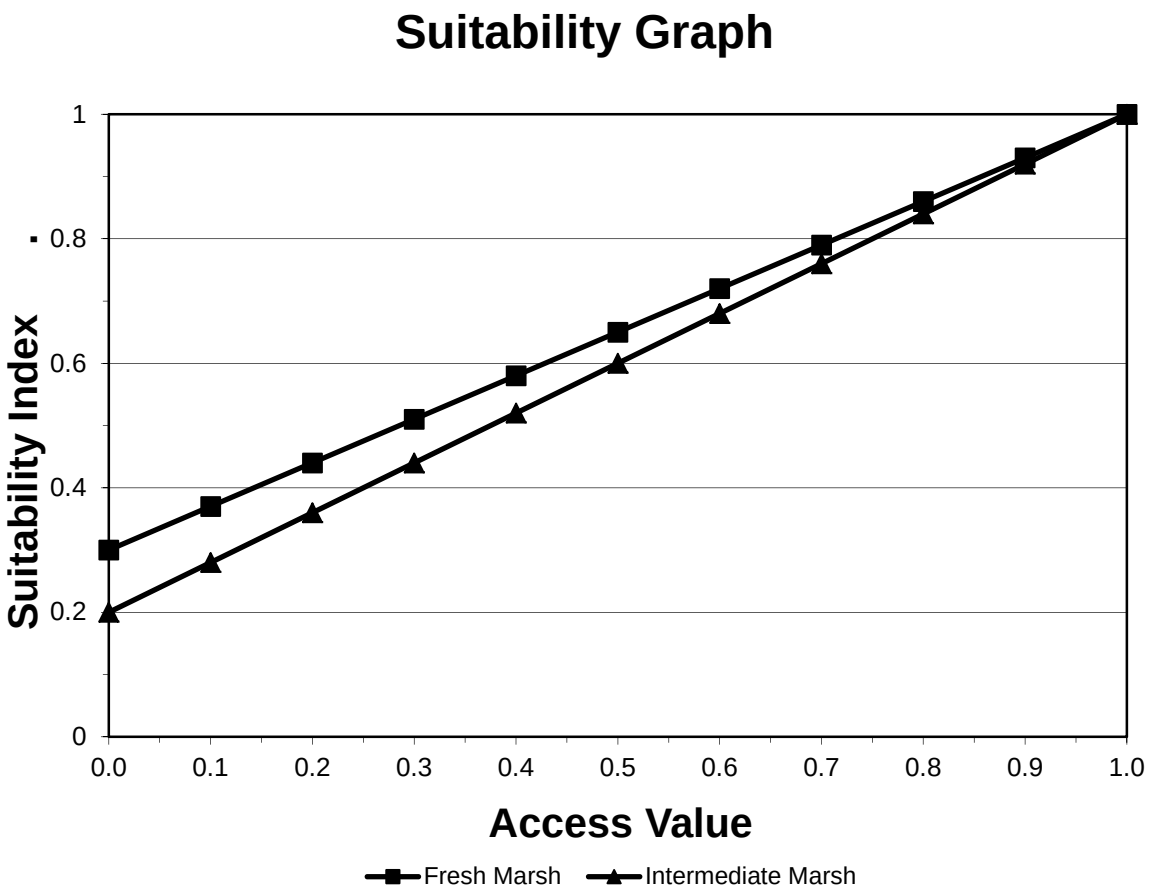
If 0 < ppt <= 0.5, then SI = 1.0
If ppt > 0.5, then SI = (-0.20 * ppt) + 1.10

Intermediate Marsh:

If 0 < ppt <= 2.5, then SI = 1.0
If ppt > 2.5, then SI = (-0.20 * ppt) + 1.50

FRESH/INTERMEDIATE MARSH

Variable V_6 Aquatic organism access.



Line Formulas

Fresh Marsh:

SI = (0.7 * Access Value) + 0.3

Intermediate Marsh:

SI = (0.8 * Access Value) + 0.2

NOTE: Access Value = P * R, where "P" = percentage of wetland area considered accessible by estuarine organisms during normal tidal fluctuations, and "R" = Structure Rating.

Refer to Appendix B "Procedure For Calculating Access Value" for complete information on calculating the Access Value.

BRACKISH MARSH

Vegetation:

Variable V_1 Percent of wetland area covered by emergent vegetation.

Variable V_2 Percent of open water area covered by aquatic vegetation.

Interspersion:

Variable V_3 Marsh edge and interspersion.

Water Depth:

Variable V_4 Percent of open water area $\leq$ 1.5 feet deep, in relation to marsh surface.

Water Quality:

Variable V_5 Average annual salinity.

Aquatic Organism Access

Variable V_6 Aquatic organism access.

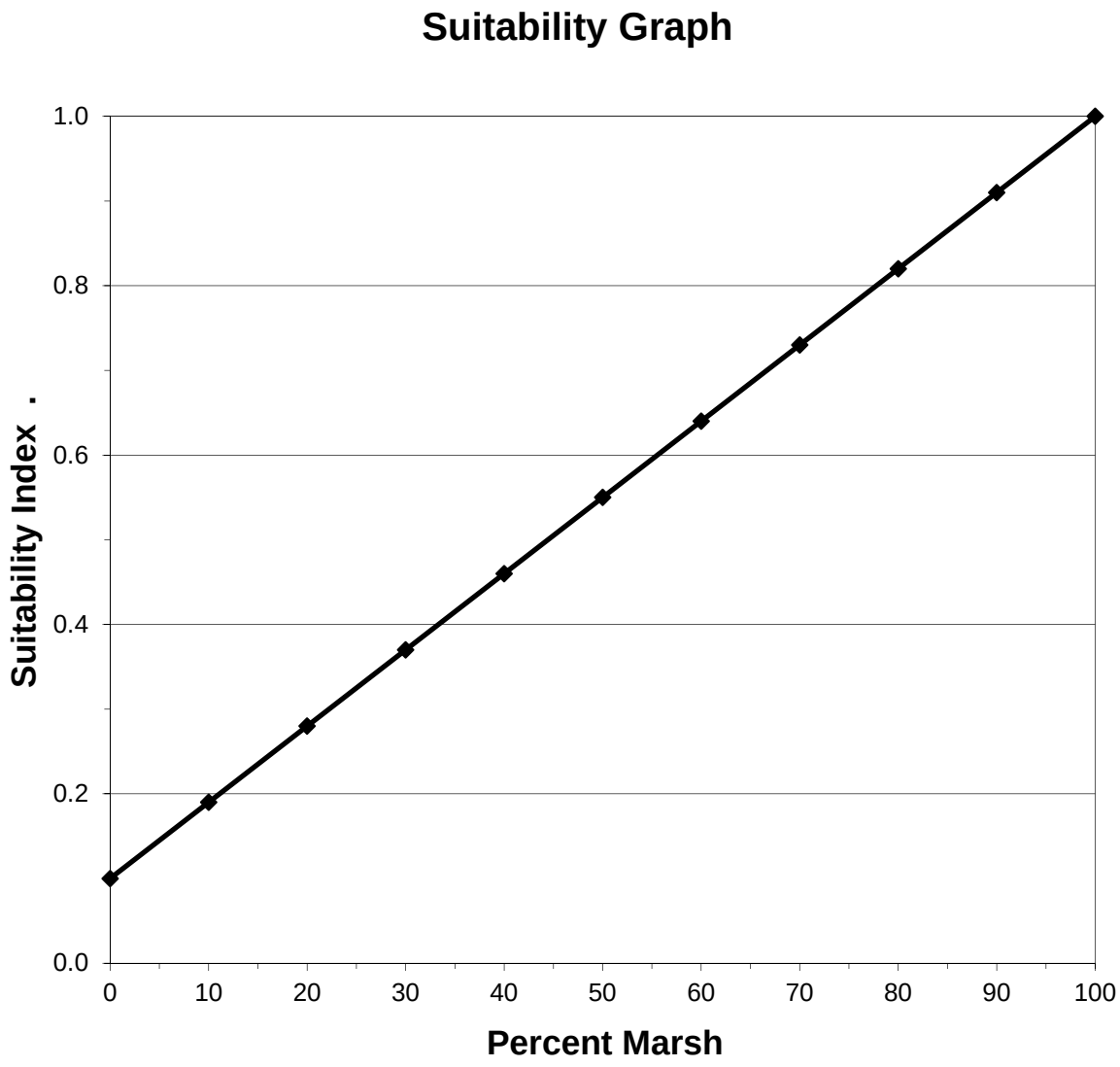
HSI Calculations:

$$\textit{Marsh HSI} = \left[\{3.5 \times (SIV_1^{5} \times SIV_6^{1.5})^{(1/6.5)}\} + (SIV_3 + SIV_5)/2\right] \Big/ 4.5$$

$$\textit{Open Water HSI} = \left[\{3.5 \times (SIV_2^{3} \times SIV_6^{2})^{(1/5)}\} + (SIV_3 + SIV_4 + SIV_5)/3\right] \Big/ 4.5$$

BRACKISH MARSH

Variable V_1 Percent of wetland area covered by emergent vegetation.

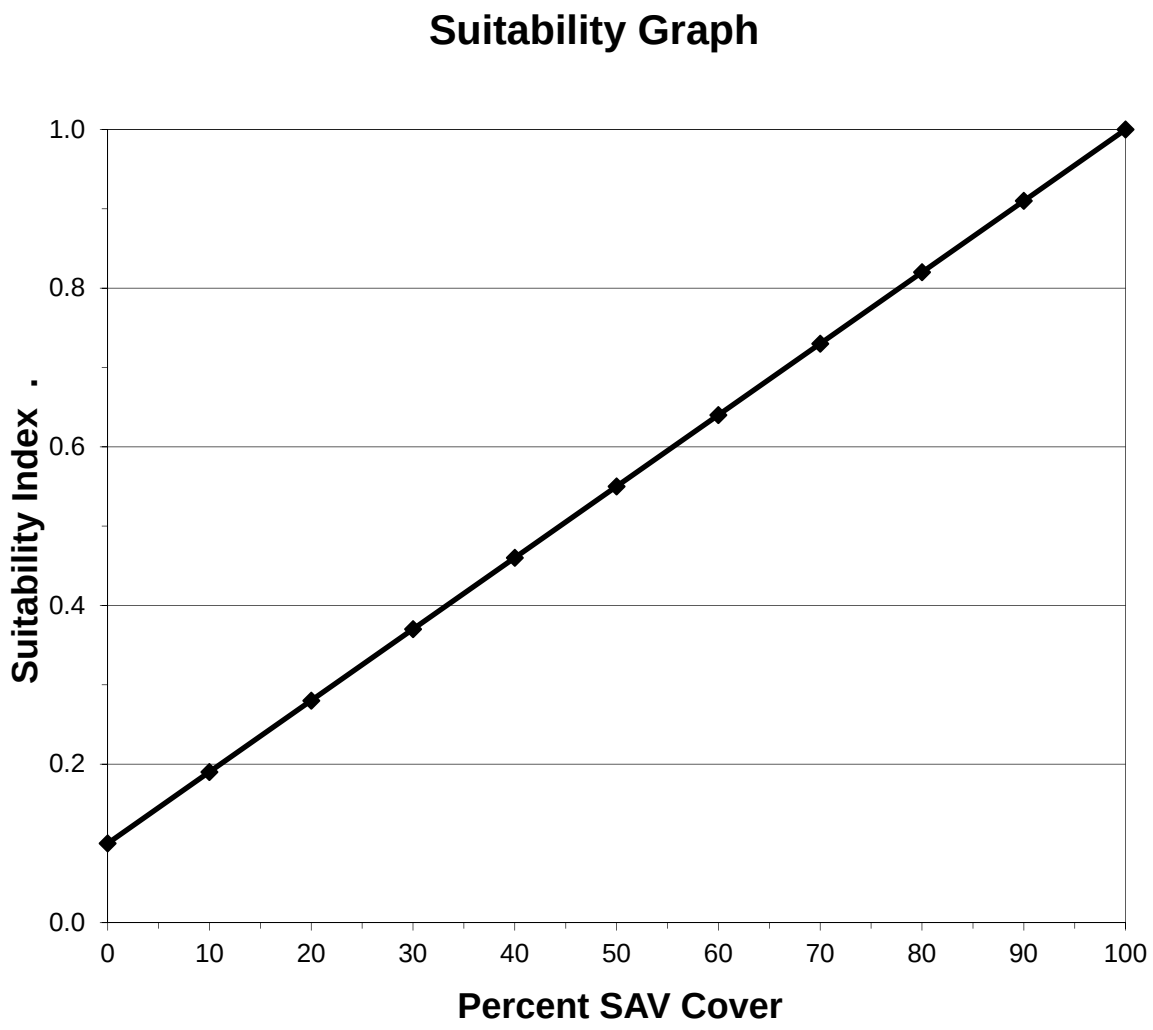


Line Formula

SI = (0.009 * %) + 0.1

BRACKISH MARSH

Variable V_2 Percent of open water area covered by aquatic vegetation.

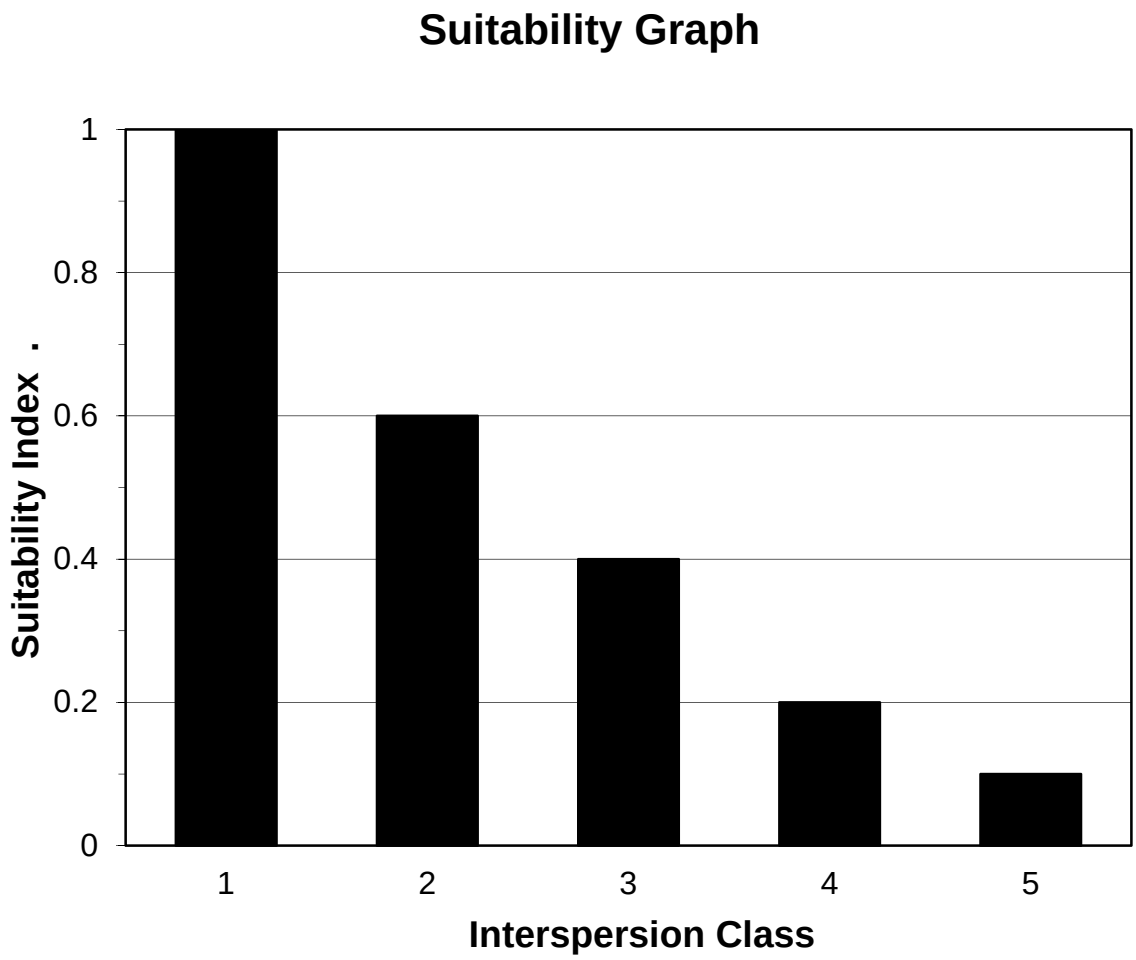


Line Formula

SI = (0.009 * %) + 0.1

BRACKISH MARSH

Variable V_3 Marsh edge and interspersion.



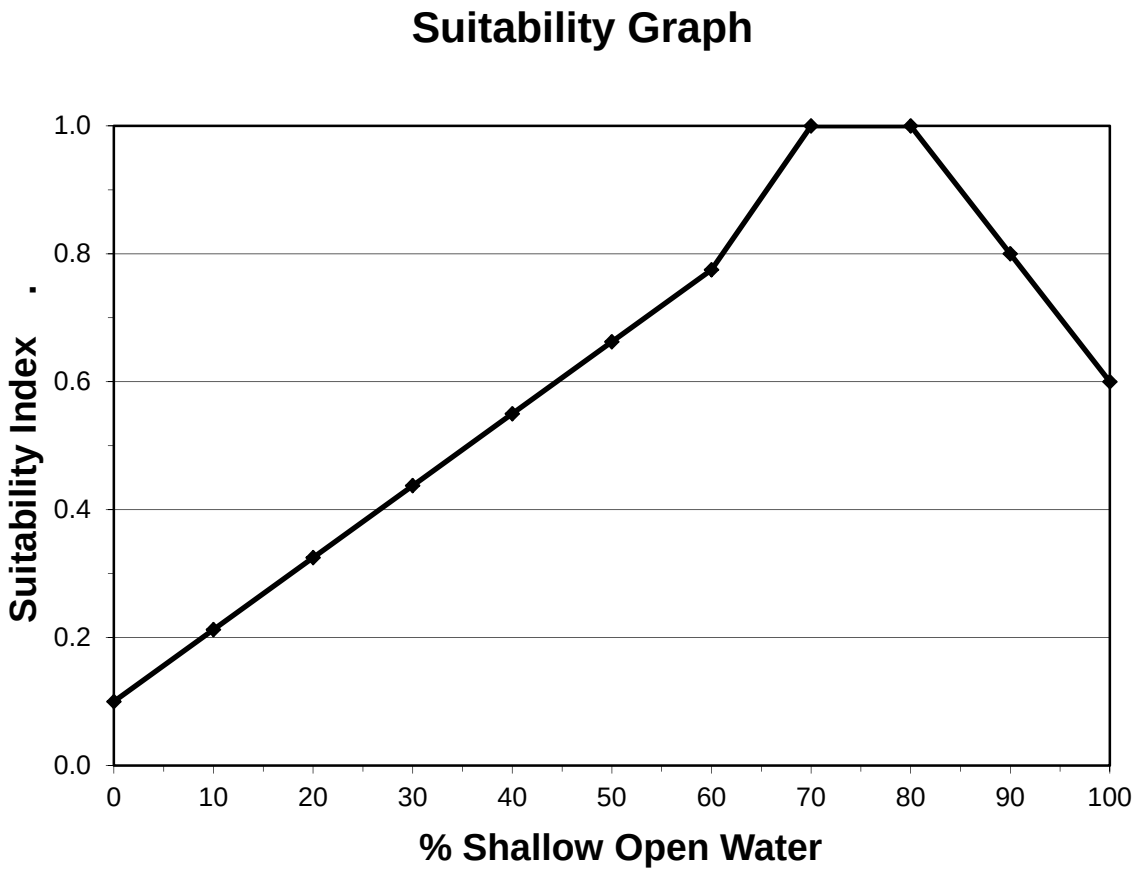
Instructions for Calculating SI for Variable V_3:

1. Refer to Appendix A for examples of the different interspersion classes.

2. Estimate the percent of project area in each class. If the entire project area is solid marsh, assign interspersion Class 1. Conversely, if the entire project area is open water, assign interspersion Class 5.

BRACKISH MARSH

Variable V_4 Percent of open water area ≤ 1.5 feet deep, in relation to marsh surface.



Line Formulas

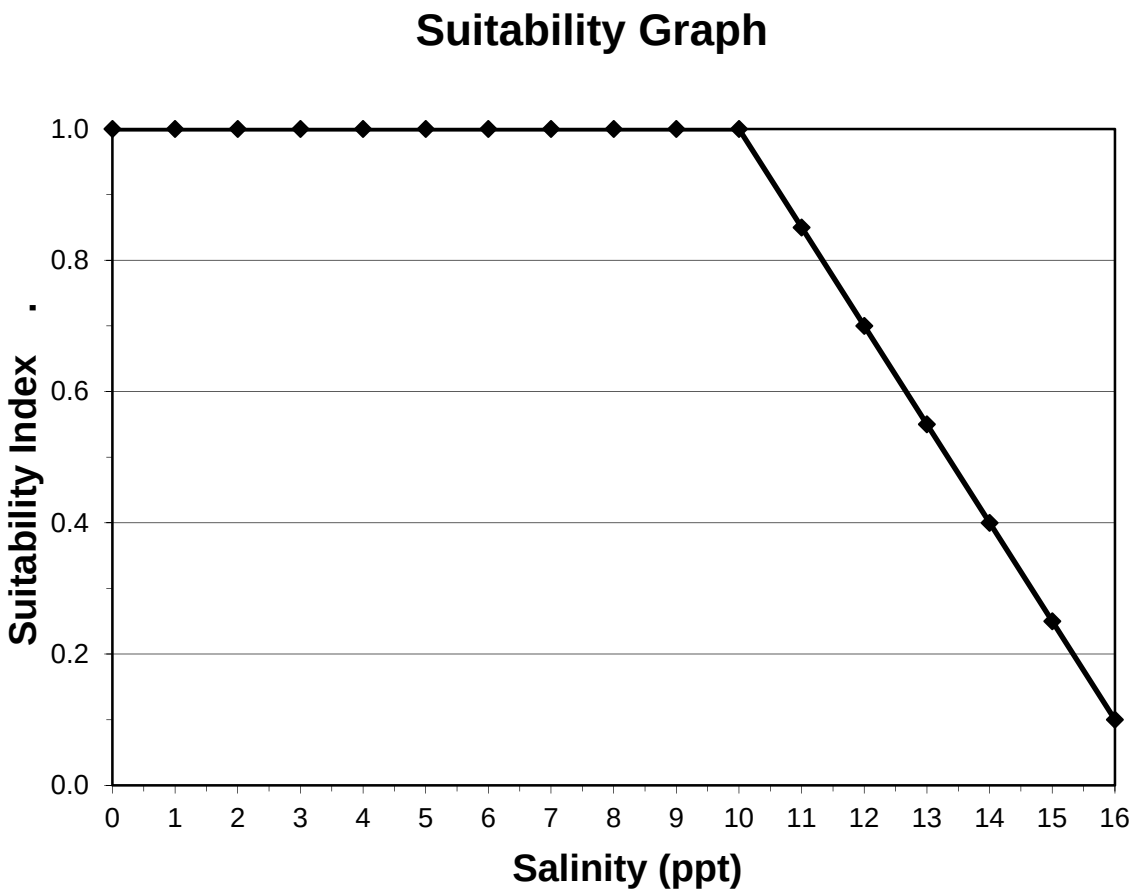
If $0 \leq \% < 70$, then SI = (0.01286 * %) + 0.1

If $70 \leq \% \leq 80$, then SI = 1.0

If % > 80, then SI = (-0.02 * %) + 2.6

BRACKISH MARSH

Variable V_5 Average annual salinity.



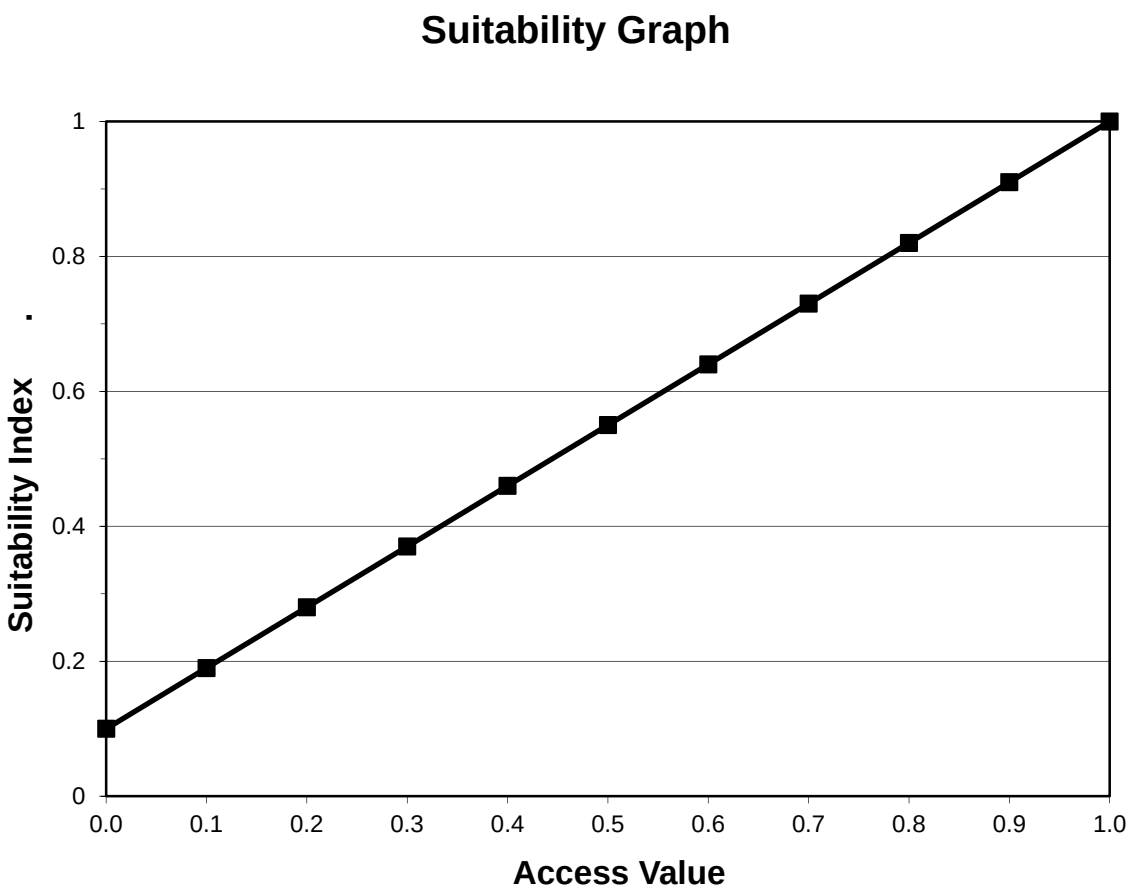
Line Formulas

If $0 \leq ppt \leq 10$, then SI = 1.0

If ppt > 10, then SI = (-0.15 * ppt) + 2.5

BRACKISH MARSH

Variable V_6 Aquatic organism access.



Line Formula

SI = (0.9 * Access Value) + 0.1

Note: Access Value = P * R, where "P" = percentage of wetland area considered accessible by estuarine organisms during normal tidal fluctuations, and "R" = Structure Rating.

Refer to Appendix B "Procedure For Calculating Access Value" for complete information on calculating "P" and "R" values.

SALINE MARSH

Vegetation:

Variable V_1 Percent of wetland area covered by emergent vegetation.

Variable V_2 Percent of open water area covered by aquatic vegetation.

Interspersion:

Variable V_3 Marsh edge and interspersion.

Water Depth:

Variable V_4 Percent of open water area $\leq$ 1.5 feet deep, in relation to marsh surface.

Water Quality:

Variable V_5 Average annual salinity.

Aquatic Organism Access:

Variable V_6 Aquatic organism access.

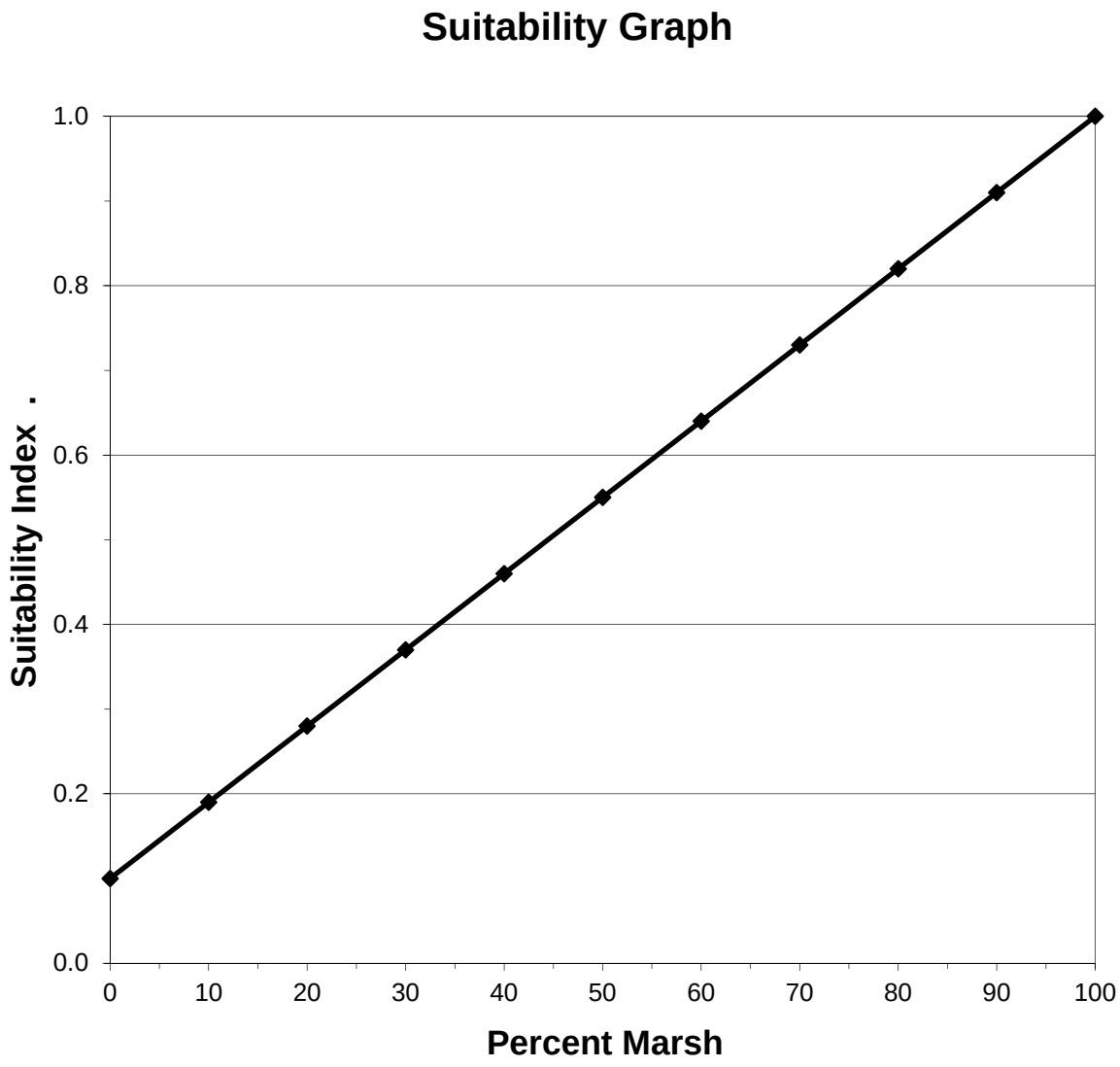
HSI Calculation:

$$\textit{Marsh HSI} = \left[\{3.5 \times (SIV_1^{3} \times SIV_6)^{(1/4)}\} + (SIV_3 + SIV_5)/2\right] \Big/ 4.5$$

$$\textit{Open Water HSI} = \left[\{3.5 \times (SIV_2 \times SIV_6^{2.5})^{(1/3.5)}\} + (SIV_3 + SIV_4 + SIV_5)/3\right] \Big/ 4.5$$

SALINE MARSH

Variable V_1 Percent of wetland area covered by emergent vegetation.

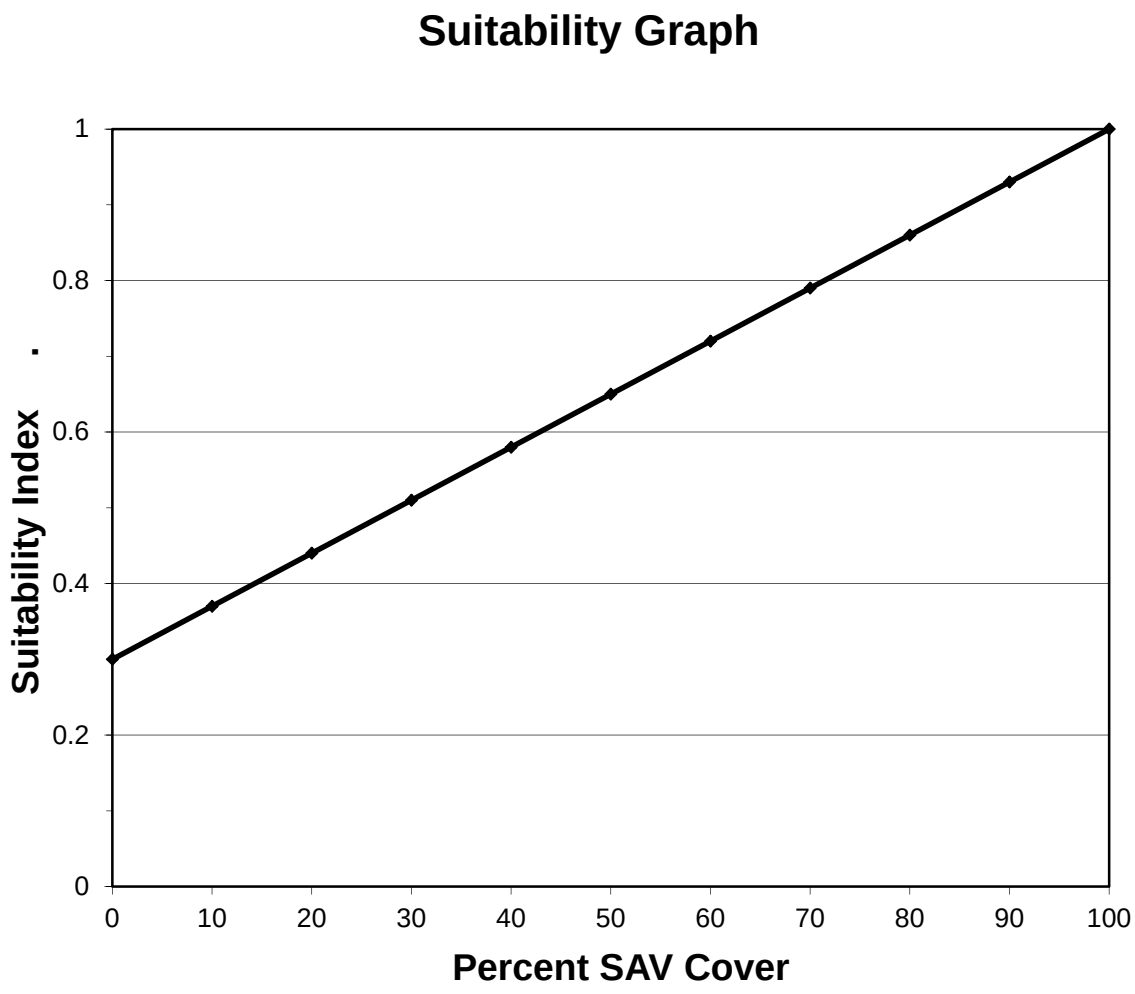


Line Formula

SI = (0.009 * %) + 0.1

SALINE MARSH

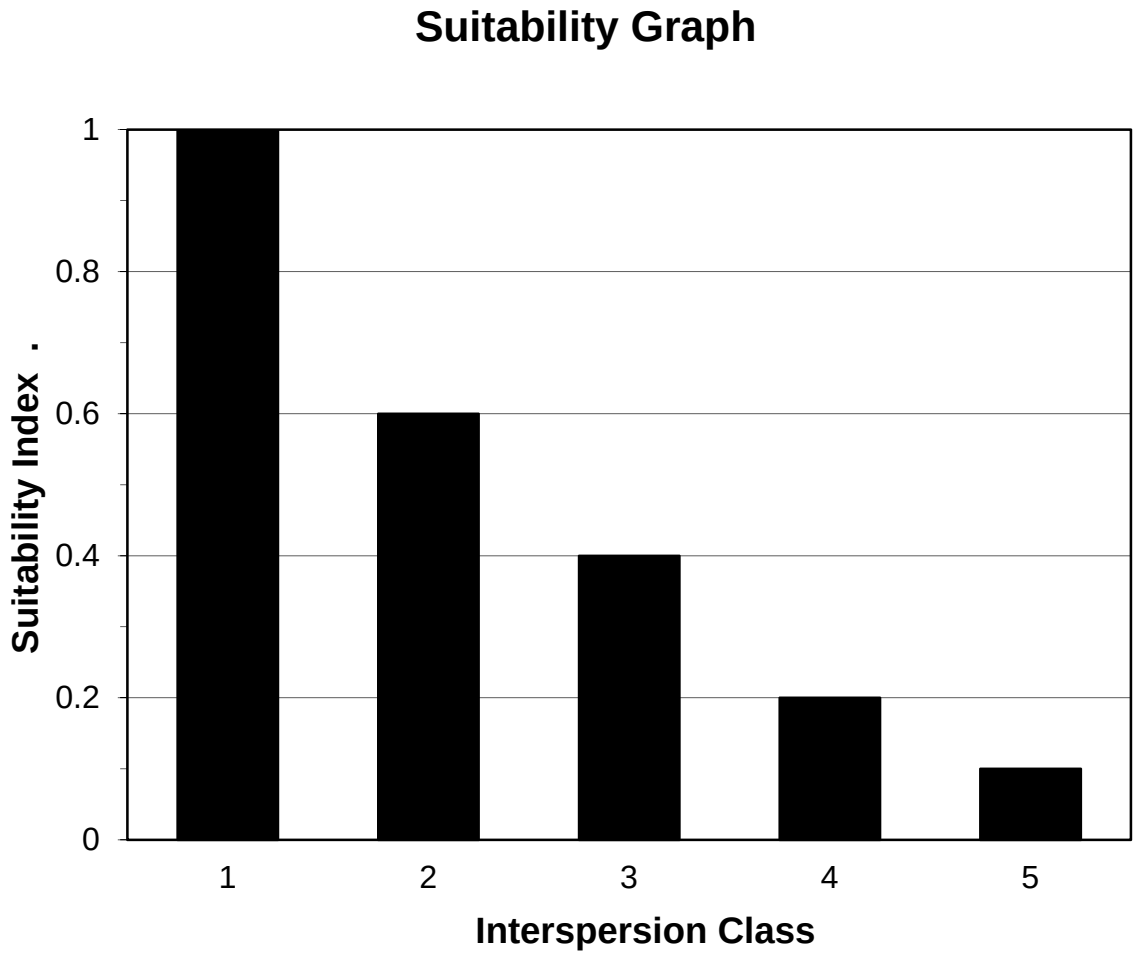
Variable V_2 Percent of open water area covered by aquatic vegetation.



Line Formula

SI = (0.007 * %) + 0.3

Variable V_3 Marsh edge and interspersion.



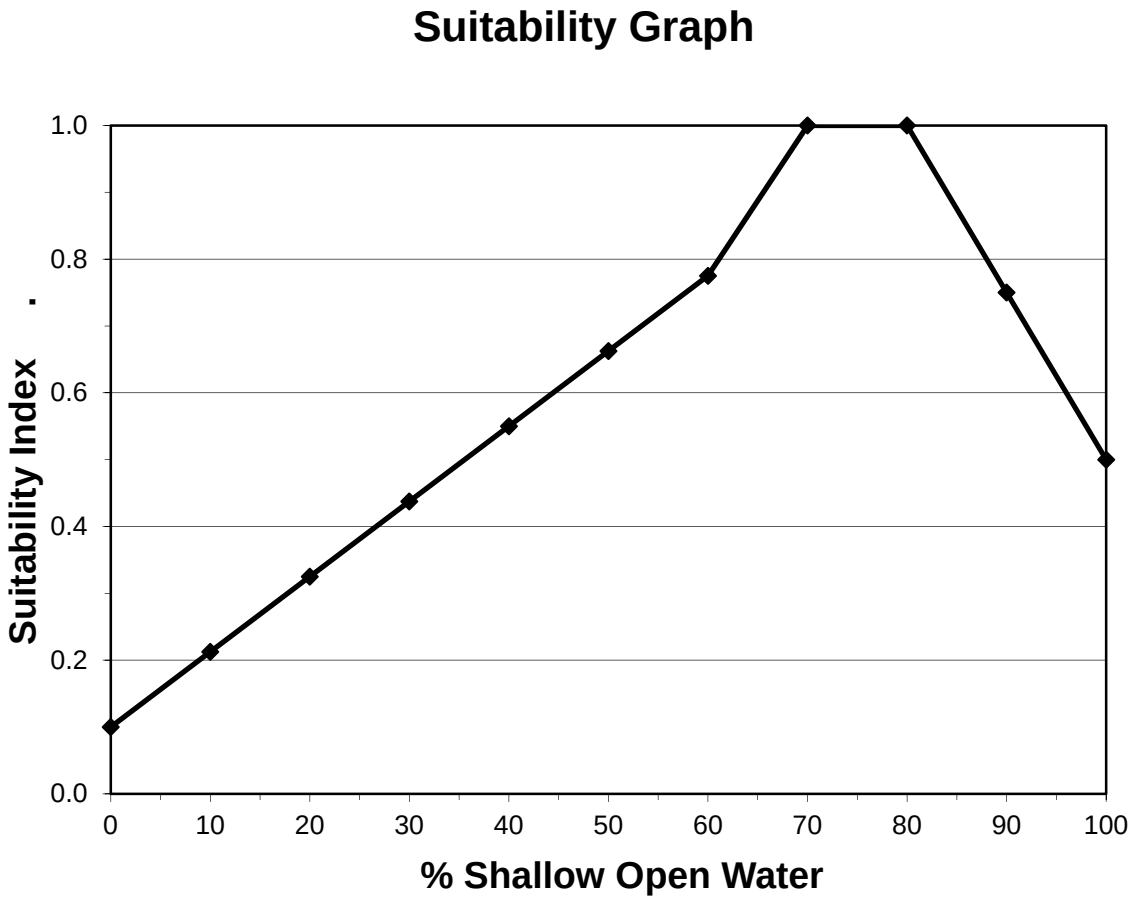
Instructions for Calculating SI for Variable V_3:

1. Refer to Appendix A for examples of the different interspersion classes.

2. Estimate percent of project area in each class. If the entire project area is solid marsh, assign an interspersion Class 1. Conversely, if the entire project area is open water, assign an interspersion Class 5.

SALINE MARSH

Variable V_4 Percent of open water area ≤ 1.5 feet deep, in relation to marsh surface.



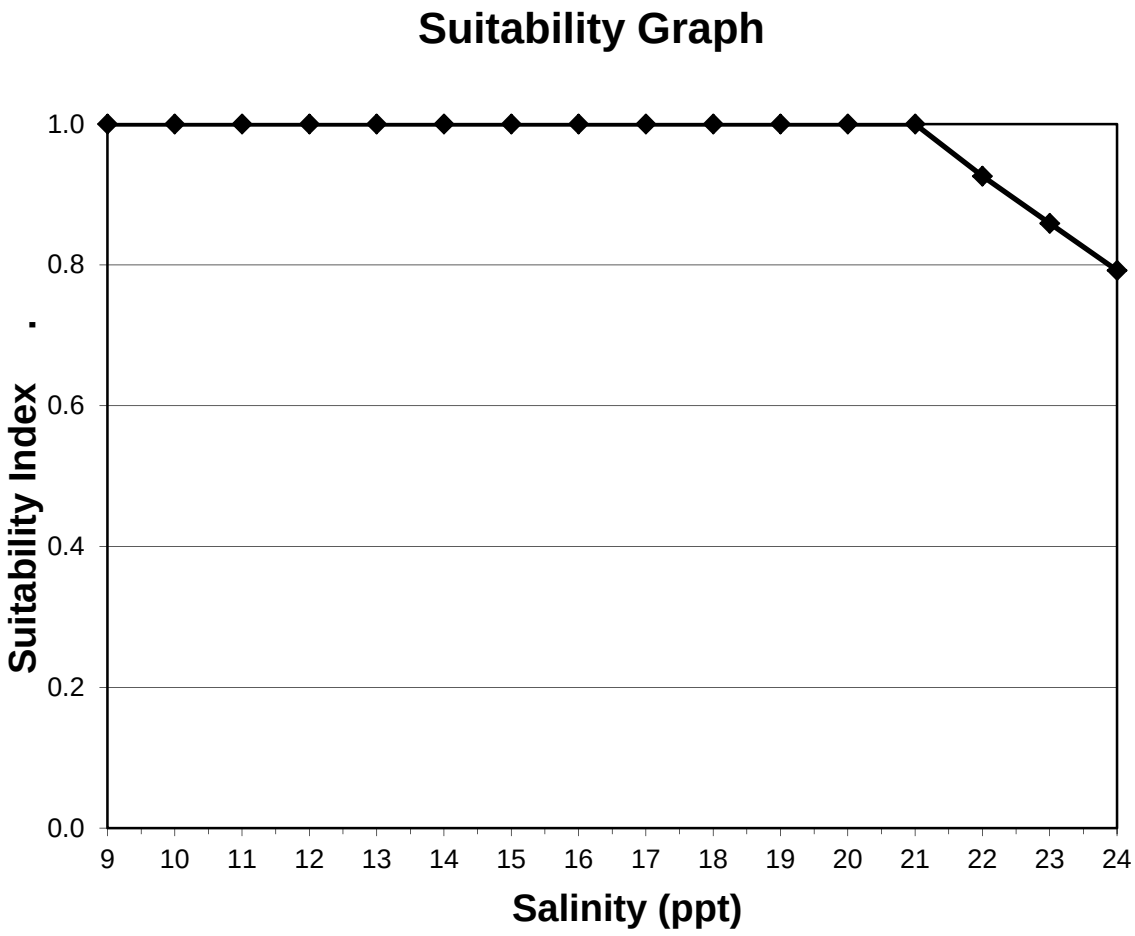
Line Formulas

If $0 \leq \% < 70$, then SI = (0.01286 * %) + 0.1

If $70 \leq \% \leq 80$, then SI = 1.0

If % > 80, then SI = (-0.025 * %) + 3.0

Variable V_5 Average annual salinity.

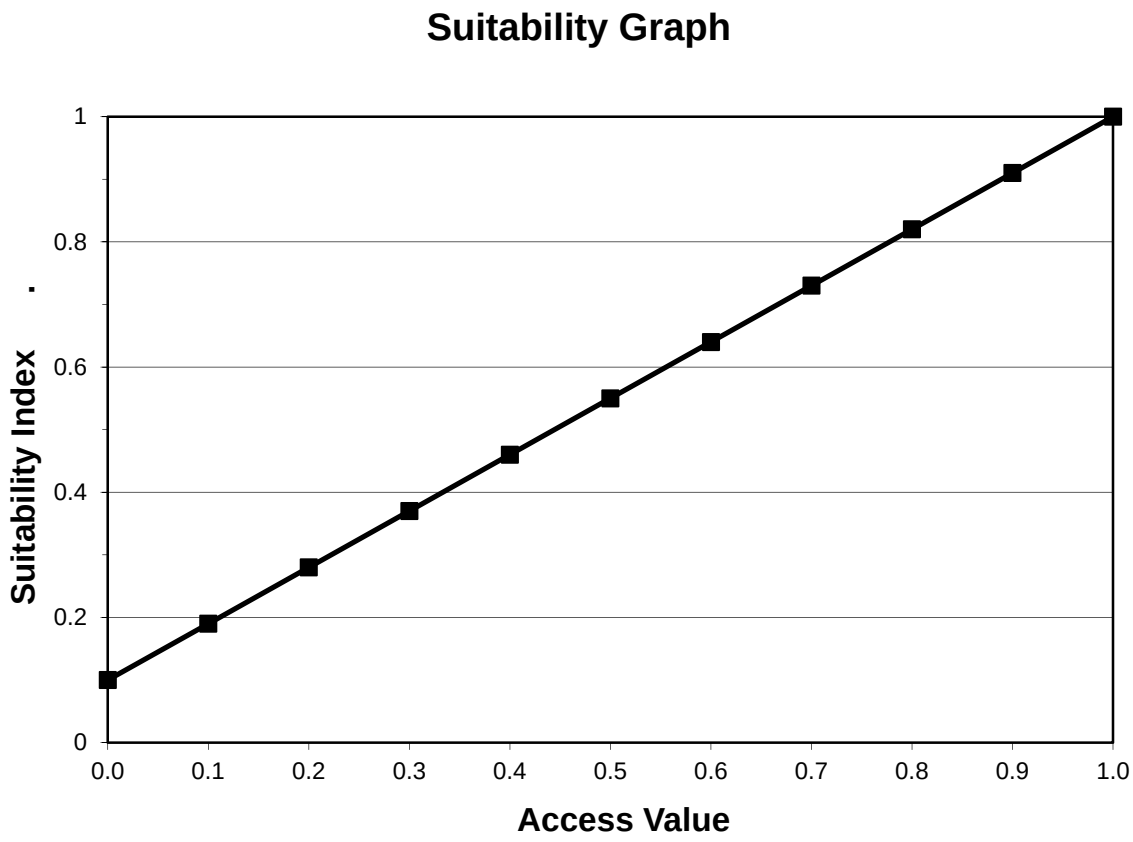


Line Formulas

If $9 \leq ppt \leq 21$, then SI = 1.0

If ppt > 21, then SI = (-0.067 * ppt) + 2.4

Variable V_6 Aquatic organism access.



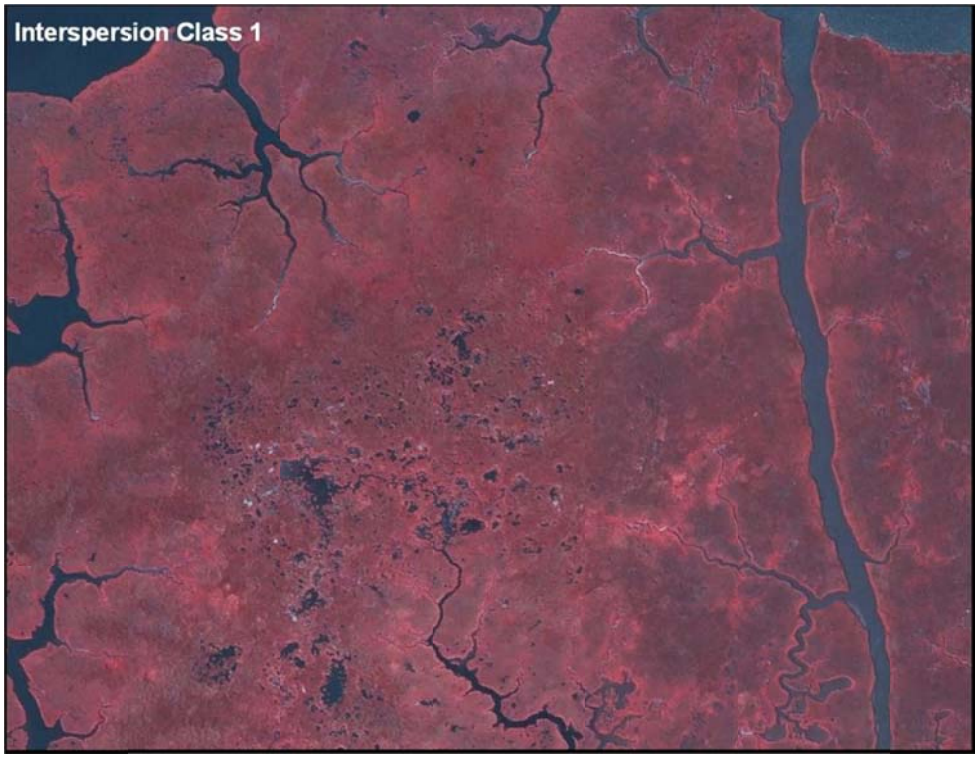
Line Formula

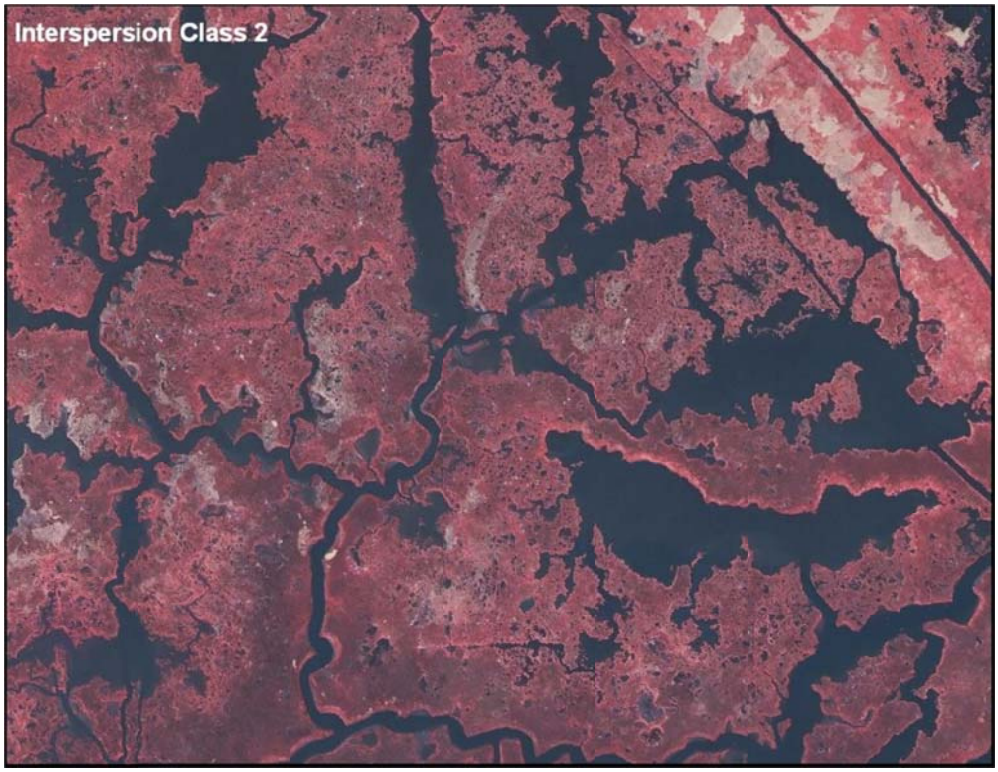
SI = (0.9 * Access Value) + 0.1

Note: Access Value = P * R, where "P" = percentage of wetland area considered accessible by estuarine organisms during normal tidal fluctuations, and "R" = Structure Rating.

Refer to Appendix B "Procedure For Calculating Access Value" for complete information on calculating the Access Value.

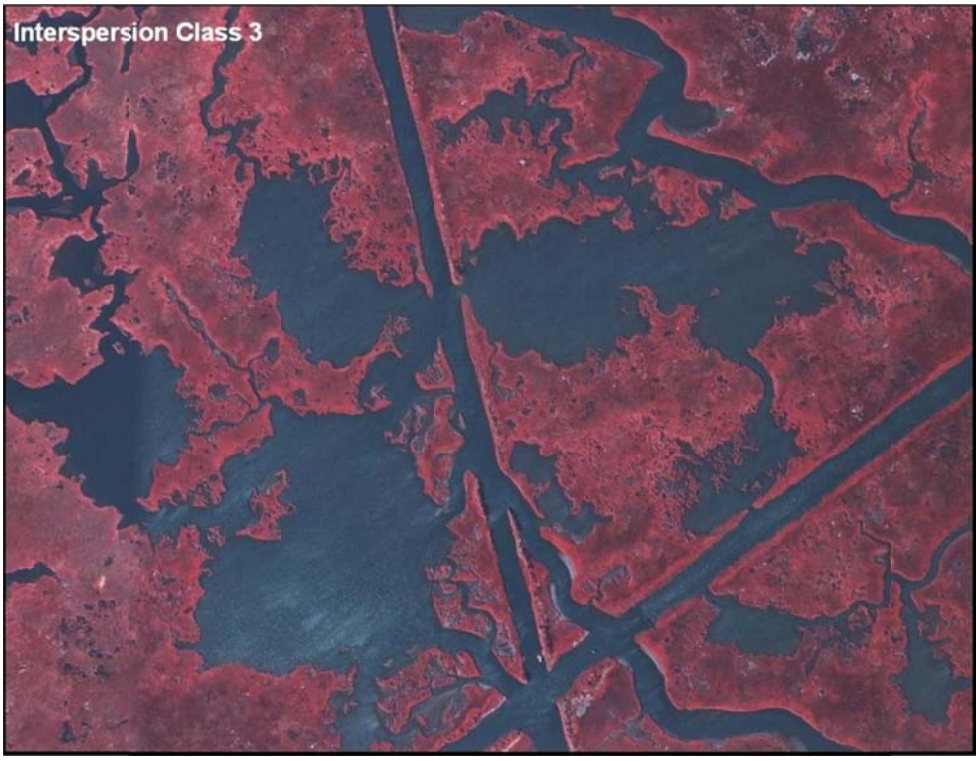
ATTACHMENT B – EXAMPLES OF MARSH EDGE AND INTERSPERSION CLASSES




Interspersion Class 2

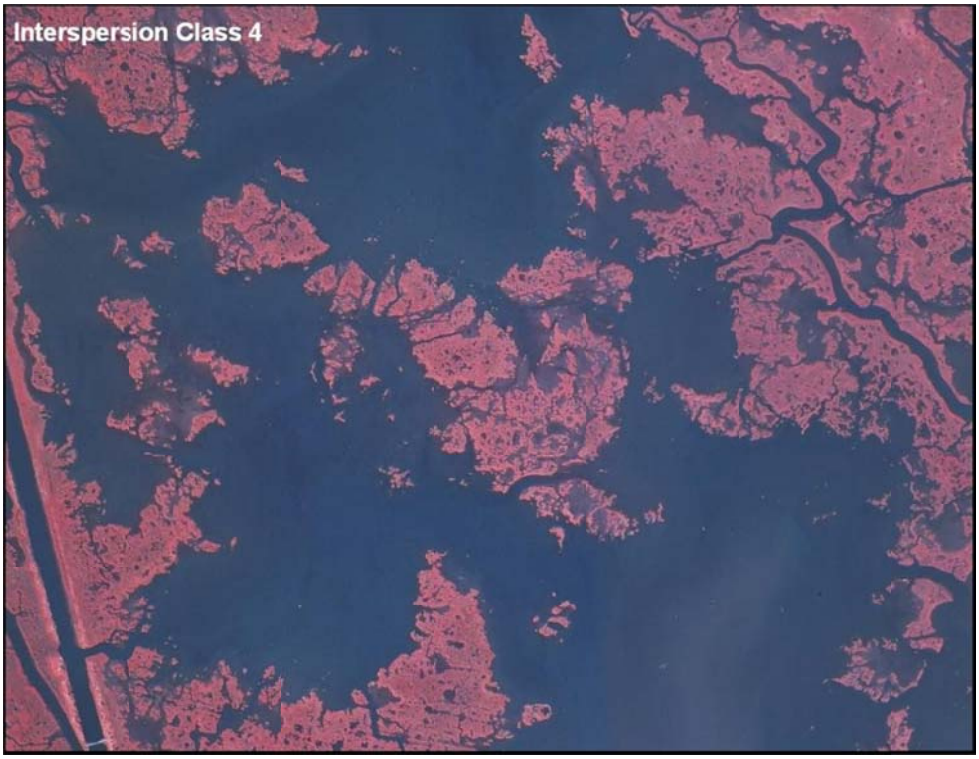

Interspersion Class 2


Interspersion Class 3


Interspersion Class 3


Interspersion Class 3
"Carpet Marsh"


Interspersion Class 4


Interspersion Class 4


Interspersion Class 5


Interspersion Class 5


Interspersion Class 5
Marsh Creation Platform


Interspersion Class 5
Marsh Creation Platform

ATTACHMENT C - PROCEDURE FOR CALCULATING ACCESS VALUE

1. Determine the percent (P) of the wetland area accessible by estuarine organisms during normal tidal fluctuations for baseline (TY0) conditions. P may be determined by examination of aerial photography, knowledge of field conditions, or other appropriate methods.

2. Determine the Structure Rating (R) for each project structure as follows:

Structure Type	Structure Rating
Open system	1.0
Rock weir set at 1ft below marsh level (BML), w/ boat bay	0.8
Rock weir with boat bay	0.6
Rock weir set at $\geq$ 1 ft BML	0.6
Slotted weir with boat bay	0.6
Open culverts	0.5
Weir with boat bay	0.5
Weir set at $\geq$ 1 ft BML	0.5
Slotted weir	0.4
Flap-gated culvert with slotted weir	0.35
Variable crest weir	0.3
Flap-gated variable crest weir	0.25
Flap-gated culvert	0.2
Rock weir	0.15
Fixed crest weir	0.1
Solid plug	0.0001

For each structure type, the rating listed above pertains only to the standard structure configuration and assumes that the structure is operated according to common operating schedules consistent with the purpose for which that structure is designed. In the case of a "hybrid" structure or a unique application of one of the above-listed types (including unique or "non-standard" operational schemes), the WVA analyst(s) may assign an appropriate Structure Rating between 0.0001 and 1.0 that most closely approximates the relative degree to which the structure in question would allow ingress/egress of estuarine organisms. In those cases, the rationale used in developing the new Structure Rating shall be documented.

3. Determine the Access Value. Where multiple openings equally affect a common "accessible unit", the Structure Rating (R) of the structure proposed for the "major" access point for the unit will be used to calculate the Access Value. The designation of "major" will be made by the Environmental Work Group. An "accessible unit" is defined as a portion of the total accessible area that is served by one or more access routes (canals, bayous, etc.), yet is isolated in terms of estuarine organism access to or from other units of the project area. Isolation factors include physical barriers that prohibit further movement of estuarine organisms, such as natural levee ridges, and spoil banks; and dense marsh that lacks channels, trenasses, and similar small connections that would, if present, provide access and intertidal refugia for estuarine organisms.

   Access Value should be calculated according to the following examples (Note: for all examples, P for TY0 = 90%. That designation is arbitrary and is used only for illustrative purposes; P could be any percentage from 0% to 100%):

   a. One opening into area; no structure.

      Access Value = P
      = .90

   b. One opening into area that provides access to the entire 90% of the project area deemed accessible. A flap-gated culvert with slotted weir is placed across the opening.

      Access Value = P * R
      = .90 * .35
      = .32

   c. Two openings into area, each capable by itself of providing full access to the 90% of the project area deemed accessible in TY0. Opening #2 is determined to be the major access route relative to opening #1. A flap-gated culvert with slotted weir is placed across opening #1. Opening #2 is left unaltered.

      Access Value = P
      = .90

      Note: Structure #1 had no bearing on the Access Value calculation because its presence did not reduce access (opening #2 was determined to be the major access route, and access through that route was not altered).

   d. Two openings into area. Opening #1 provides access to an accessible unit comprising 30% of the area. Opening #2 provides access to an accessible unit comprising the remaining 60% of the project area. A flap-gated culvert with slotted weir is placed across #1. Opening #2 is left open.

      Access Value = weighted avg. of Access Values of the two accessible units
      = $([P_1*R_1] + [P_2*R_2])/(P_1+P_2)$
      = ([.30*0.35] + [.60*1.0])/(.30+.60)
      = (.11 + .60)/.90
      = .71/.90
      = .79

      Note: $P_1 + P_2 = .90$, because only 90 percent of the study area was determined to be accessible at TY0.

   e. Three openings into area, each capable of providing full access to the entire area independent of the others. Opening #3 is determined to be the major access

route relative to openings #1 and #2. Opening #1 is blocked with a solid plug. Opening #2 is fitted with a flap-gated culvert with slotted weir, and opening #3 is left open.

Access Value = P
= .90

Note: Structures #1 and #2 had no bearing on the Access Value calculation because their presence did not reduce access (opening #3 was determined to be the major access route, and access through that route was not altered).

f. Three openings into area, each capable of providing full access to the entire area independent of the others. Opening #2 is determined to be the major access route relative to openings #1 and #3. Opening #1 is blocked with a solid plug. Opening #2 is fitted with a flap-gated culvert with slotted weir, and opening #3 is fitted with a fixed crest weir.

Access Value = $P * R_2$
= .90 * .35
= .32

Note: Structures #1 and #3 had no bearing on the Access Value calculation because their presence did not reduce access. Opening #2 was determined beforehand to be the major access route; thus, it was the flap-gated culvert with slotted weir across that opening that actually served to limit access.

g. Three openings into area. Opening #1 provides access to an accessible unit comprising 20% of the area. Openings #2 and #3 provide access to an accessible unit comprising the remaining 70% of the area, and within that area, each is capable by itself of providing full access. However, opening #3 is determined to be the major access route relative to opening #2. Opening #1 is fitted with an open culvert, #2 with a flapgated culvert with slotted weir, and #3 with a fixed crest weir.

Access Value = $([P_1*R_1] + [P_2*R_3])/(P_1+P_2)$
= ([.20*.5]+[.70*.35])/(.20+.70)
= (.10 + .25)/.90
= .35/.90
= .39

h. Three openings into area. Opening #1 provides access to an accessible unit comprising 20% of the area. Opening #2 provides access to an accessible unit comprising 40% of the area, and opening #3 provides access to the remaining 30% of the area. Opening #1 is fitted with an open culvert, #2 a flap-gated culvert with slotted weir, and #3 a fixed crest weir.

Access Value = $([P_1*R_1]+[P_2*R_2]+[P_3*R_3])/(P_1+P_2+P_3)$
= ([.20*.5]+[.40*.35]+[.30*.1])/(.20+.40+.30)
= (.10+.14+.03)/.90
= .27/.90
= .30

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Coastal Wetlands Planning, Protection, and Restoration Act

21st Priority Project List Report

Appendix C

Wetland Value Assessment for Candidate Projects

Appendix C

Wetland Value Assessment for Candidate Projects

Table of Contents

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Bayou Grand Cheniere Marsh Creation

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Brackish Marsh	94.17

Area	AAHUs
Saline Marsh	95.45

TOTAL BENEFITS = 190 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL
Brackish Marsh

Project: **Bayou Grande Cheniere Marsh Creation and Terracing** Project Area: 1,500

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	7	0.16	7	0.16	6	0.15
V2	% Aquatic	2	0.12	2	0.12	2	0.12
V3	Interspersion	%		%		%	
	Class 1	0	0.11	0	0.11	0	0.11
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	11		11		11	
	Class 5	89		89		89	
V4	%OW <= 1.5ft	2	0.13	2	0.13	2	0.13
V5	Salinity (ppt)	7.2	1.00	7.2	1.00	7.2	1.00
V6	Access Value	1	1.00	1	1.00	1	1.00
	Emergent Marsh HSI =		**0.32**	**EM HSI =**	**0.32**	**EM HSI =**	**0.31**
	Open Water HSI =		**0.31**	**OW HSI =**	**0.31**	**OW HSI =**	**0.31**

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 1500

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 1500

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL
Brackish Marsh

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 1500
Condition: Future With Project

Variable		TY 0 Value	TY 0 SI	TY 1 Value	TY 1 SI	TY 3 Value	TY 3 SI
V1	% Emergent	7	0.16	7	0.16	15	0.24
V2	% Aquatic	2	0.12	0	0.10	5	0.15
V3	Interspersion	%		%		%	
	Class 1	0	0.11	0	0.34	0	0.40
	Class 2	0		0		0	
	Class 3	0		81		100	
	Class 4	11		0		0	
	Class 5	89		19		0	
V4	%OW <= 1.5ft	2	0.13	2	0.13	2	0.13
V5	Salinity (ppt)	7.2	1.00	7.2	1.00	7.2	1.00
V6	Access Value	1	1.00	0.81	0.83	1	1.00
	Emergent Marsh HSI =		**0.32**	**EM HSI =**	**0.33**	**EM HSI =**	**0.41**
	Open Water HSI =		**0.31**	**OW HSI =**	**0.29**	**OW HSI =**	**0.36**

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 1500
FWP

Variable		TY 5 Value	TY 5 SI	TY 20 Value	TY 20 SI	TY Value	TY SI
V1	% Emergent	25	0.33	23	0.31		
V2	% Aquatic	10	0.19	10	0.19		
V3	Interspersion	%		%		%	
	Class 1	19	0.51	19	0.51		
	Class 2	0		0			
	Class 3	81		81			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	2	0.13	3	0.14		
V5	Salinity (ppt)	7.2	1.00	7.2	1.00		
V6	Access Value	1	1.00	1	1.00		
	EM HSI =		**0.50**	**EM HSI =**	**0.48**	**EM HSI =**	
	OW HSI =		**0.41**	**OW HSI =**	**0.41**	**OW HSI =**	

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 1500
FWP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Bayou Grande Cheniere Marsh Creation and Terracing

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	101	0.32	31.93	
1	100	0.32	31.61	31.77
20	88	0.31	27.09	557.41
Max TY=	**20**		**AAHUs =**	**29.46**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	101	0.32	31.93	
1	106	0.33	35.38	33.64
3	230	0.41	94.50	126.69
5	369	0.50	182.97	273.53
20	350	0.48	168.63	2636.33
Max TY=	**20**		**AAHUs**	**153.51**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	153.51
B. Future Without Project Emergent Marsh AAHUs =	29.46
Net Change (FWP - FWOP) =	**124.05**

AAHU CALCULATION - OPEN WATER

Project: Bayou Grande Cheniere Marsh Creation and Terracing

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	1399	0.31	430.02	
1	1400	0.31	430.33	430.17
20	1412	0.31	434.01	8211.24
Max TY=	**20**		**AAHUs =**	**432.07**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	1399	0.31	430.02	
1	1126	0.29	326.59	377.52
3	1129	0.36	403.25	729.78
5	1131	0.41	462.14	865.36
20	1150	0.41	471.00	6998.47
Max TY=	**20**		**AAHUs**	**448.56**

NET CHANGE IN AAHUs DUE TO PROJECT		
A. Future With Project Open Water AAHUs	=	448.56
B. Future Without Project Open Water AAHUs	=	432.07
Net Change (FWP - FWOP) =		**16.49**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT		
A. Emergent Marsh Habitat Net AAHUs	=	124.05
B. Open Water Habitat Net AAHUs	=	16.49
Net Benefits= (2.6xEMAAHUs+OWAAHUs)/3.6		**94.17**

WETLAND VALUE ASSESSMENT COMMUNITY MODEL
Saline Marsh

Project: **Bayou Grande Cheniere Marsh Creation and Terracing** Project Area: 229

Condition: Future Without Project

Variable		TY 0 Value	TY 0 SI	TY 1 Value	TY 1 SI	TY 20 Value	TY 20 SI
V1	% Emergent	28	0.35	28	0.35	25	0.33
V2	% Aquatic	2	0.31	2	0.31	2	0.31
V3	Interspersion	%		%		%	
	Class 1	0	0.20	0	0.20	0	0.20
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	100		100		100	
	Class 5	0		0		0	
V4	%OW <= 1.5ft	1	0.11	1	0.11	1	0.11
V5	Salinity (ppt)	8.3	1.00	8.3	1.00	8.3	1.00
V6	Access Value	1.00	1.00	1.00	1.00	1.00	1.00
	Emergent Marsh HSI =		**0.49**	**EM HSI =**	**0.49**	**EM HSI =**	**0.47**
	Open Water HSI =		**0.66**	**OW HSI =**	**0.66**	**OW HSI =**	**0.66**

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 229

FWOP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
		EM HSI =		**EM HSI =**		**EM HSI =**	
		OW HSI =		**OW HSI =**		**OW HSI =**	

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 229

FWOP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
		EM HSI =		**EM HSI =**		**EM HSI =**	
		OW HSI =		**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Saline Marsh

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 229

Condition: Future With Project

Variable		TY 0 Value	TY 0 SI	TY 1 Value	TY 1 SI	TY 3 Value	TY 3 SI
V1	% Emergent	28	0.35	21	0.29	53	0.58
V2	% Aquatic	2	0.31	0	0.30	2	0.31
V3	Interspersion	%		%		%	
	Class 1	0	0.20	0	0.10	0	0.40
	Class 2	0		0		0	
	Class 3	0		0		100	
	Class 4	100		0		0	
	Class 5	0		100		0	
V4	%OW <= 1.5ft	1	0.11	100	0.50	100	0.50
V5	Salinity (ppt)	8.3	1.00	8.3	1.00	8.3	1.00
V6	Access Value	1.00	1.00	0.0001	0.10	1.00	1.00
	Emergent Marsh HSI =		**0.49**	**EM HSI =**	**0.29**	**EM HSI =**	**0.67**
	Open Water HSI =		**0.66**	**OW HSI =**	**0.23**	**OW HSI =**	**0.70**

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 229

FWP

Variable		TY 5 Value	TY 5 SI	TY 20 Value	TY 20 SI	TY Value	TY SI
V1	% Emergent	98	0.98	94	0.95		
V2	% Aquatic	5	0.34	5	0.34		
V3	Interspersion	%		%		%	
	Class 1	100	1.00	100	1.00		
	Class 2	0		0			
	Class 3	0		0			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	100	0.50	90	0.75		
V5	Salinity (ppt)	8.3	1.00	8.3	1.00		
V6	Access Value	1.00	1.00	1.00	1.00		
	EM HSI =		**0.99**	**EM HSI =**	**0.97**	**EM HSI =**	
	OW HSI =		**0.75**	**OW HSI =**	**0.77**	**OW HSI =**	

Project: Bayou Grande Cheniere Marsh Creation and Terracing Project Area: 229

FWP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Bayou Grande Cheniere Marsh Creation and Terracing

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	65	0.49	31.77	
1	65	0.49	31.77	31.77
20	57	0.47	26.68	554.78
Max=	**20**		**AAHUs =**	**29.33**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	65	0.49	31.77	
1	49	0.29	14.44	22.59
3	121	0.67	81.13	86.55
5	225	0.99	222.63	292.70
20	214	0.97	207.21	3223.25
Max=	**20**		**AAHUs**	**181.25**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	181.25
B. Future Without Project Emergent Marsh AAHUs =	29.33
Net Change (FWP - FWOP) =	**151.93**

AAHU CALCULATION - OPEN WATER

Project: Bayou Grande Cheniere Marsh Creation and Terracing

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	164	0.66	107.56	
1	164	0.66	107.56	107.56
20	172	0.66	112.81	2093.55
Max=	**20**		**AAHUs =**	**110.06**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	164	0.66	107.56	
1	1	0.23	0.23	42.19
3	2	0.70	1.40	1.47
5	4	0.75	3.02	4.38
20	15	0.77	11.59	109.05
Max=	**20**		**AAHUs**	**7.85**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	7.85
B. Future Without Project Open Water AAHUs =	110.06
Net Change (FWP - FWOP) =	**-102.20**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	151.93
B. Open Water Habitat Net AAHUs =	-102.20
Net Benefits= (3.5xEMAAHUs+OWAAHUs)/4.5	**95.45**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Bayou L'Ours Terracing

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Saline Marsh	31.82

TOTAL BENEFITS = 32 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Saline Marsh

Project: **Bayou L'Ours Terracing** Project Area: 1047

Condition: Future Without Project

Variable		TY 0 Value	TY 0 SI	TY 1 Value	TY 1 SI	TY 20 Value	TY 20 SI
V1	% Emergent	9	0.18	9	0.18	8	0.17
V2	% Aquatic	5	0.34	5	0.34	5	0.34
V3	Interspersion	%		%		%	
	Class 1	0	0.10	0	0.10	0	0.10
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	0		0		0	
	Class 5	100		100		100	
V4	%OW <= 1.5ft	1	0.11	1	0.11	1	0.11
V5	Salinity (ppt)	12	1.00	12	1.00	12	1.00
V6	Access Value	1.00	1.00	1.00	1.00	1.00	1.00
	Emergent Marsh HSI =		**0.34**	**EM HSI =**	**0.34**	**EM HSI =**	**0.33**
	Open Water HSI =		**0.66**	**OW HSI =**	**0.66**	**OW HSI =**	**0.66**

Project: Bayou L'Ours Terracing Project Area: 1047

FWOP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
		EM HSI =		**EM HSI =**		**EM HSI =**	
		OW HSI =		**OW HSI =**		**OW HSI =**	

Project: Bayou L'Ours Terracing Project Area: 1047

FWOP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
		EM HSI =		**EM HSI =**		**EM HSI =**	
		OW HSI =		**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Saline Marsh

Project: Bayou L'Ours Terracing Project Area: 1047
Condition: Future With Project

Variable		TY	0	TY	1	TY	3
		Value	SI	Value	SI	Value	SI
V1	% Emergent	9	0.18	10	0.19	14	0.23
V2	% Aquatic	5	0.34	5	0.34	30	0.51
V3	Interspersion	%		%		%	
	Class 1	0	0.10	0	0.40	0	0.40
	Class 2	0		0		0	
	Class 3	0		100		100	
	Class 4	0		0		0	
	Class 5	100		0		0	
V4	%OW <= 1.5ft	1	0.11	5	0.16	5	0.16
V5	Salinity (ppt)	12	1.00	12	1.00	12	1.00
V6	Access Value	1.00	1.00	1.0000	1.00	1.00	1.00
	Emergent Marsh HSI =		**0.34**	**EM HSI =**	**0.38**	**EM HSI =**	**0.41**
	Open Water HSI =		**0.66**	**OW HSI =**	**0.68**	**OW HSI =**	**0.76**

Project: Bayou L'Ours Terracing Project Area: 1047
FWP

Variable		TY	20	TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	14	0.23				
V2	% Aquatic	30	0.51				
V3	Interspersion	%		%		%	
	Class 1	0	0.40				
	Class 2	0					
	Class 3	100					
	Class 4	0					
	Class 5	0					
V4	%OW <= 1.5ft	5	0.16				
V5	Salinity (ppt)	12	1.00				
V6	Access Value	1.00	1.00				
	EM HSI =		**0.41**	**EM HSI =**		**EM HSI =**	
	OW HSI =		**0.76**	**OW HSI =**		**OW HSI =**	

Project: Bayou L'Ours Terracing Project Area: 1047
FWP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Bayou L'Ours Terracing

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	91	0.34	30.76	
1	90	0.34	30.42	30.59
20	85	0.33	28.05	555.34
Max=	**20**		**AAHUs =**	**29.30**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	91	0.34	30.76	
1	105	0.38	39.84	35.20
3	148	0.41	60.75	100.14
20	143	0.41	58.70	1015.36
Max=	**20**		**AAHUs**	**57.54**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	57.54
B. Future Without Project Emergent Marsh AAHUs =	29.30
Net Change (FWP - FWOP) =	**28.24**

AAHU CALCULATION - OPEN WATER

Project: Bayou L'Ours Terracing

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	956	0.66	629.90	
1	957	0.66	630.56	630.23
20	962	0.66	633.86	12012.01
Max=	**20**		**AAHUs =**	**632.11**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	956	0.66	629.90	
1	899	0.68	615.75	623.08
3	899	0.76	681.02	1296.77
20	904	0.76	684.81	11609.57
Max=	**20**		**AAHUs**	**676.47**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	676.47
B. Future Without Project Open Water AAHUs =	632.11
Net Change (FWP - FWOP) =	**44.36**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	28.24
B. Open Water Habitat Net AAHUs =	44.36
Net Benefits= (3.5xEMAAHUs+OWAAHUs)/4.5	**31.82**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Cole's Bayou Marsh Restoration

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Hydrologic Restoration	79.34

Area	AAHUs
Marsh Creation	154.50

TOTAL BENEFITS = 234 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration Project Area: 3,422

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	73	0.76	72	0.75	67	0.70
V2	% Aquatic	41	0.47	41	0.47	41	0.47
V3	Interspersion	%		%		%	
	Class 1	60	0.68	60	0.68	60	0.68
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	40		40		40	
	Class 5	0		0		0	
V4	%OW <= 1.5ft	32	0.51	32	0.51	35	0.55
V5	Salinity (ppt)	5	1.00	5	1.00	5	1.00
V6	Access Value	0.15	0.24	0.15	0.24	0.15	0.24
	Emergent Marsh HSI =		**0.64**	**EM HSI =**	**0.63**	**EM HSI =**	**0.61**
	Open Water HSI =		**0.44**	**OW HSI =**	**0.44**	**OW HSI =**	**0.44**

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration Project Area: 3422

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration Project Area: 3422

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration Project Area: 3422

Condition: Future With Project

Variable		TY 0		TY 1		TY 3	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	73	0.76	72	0.75	72	0.75
V2	% Aquatic	41	0.47	20	0.28	51	0.56
V3	Interspersion	%		%		%	
	Class 1	60	0.68	60	0.68	60	0.68
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	40		40		40	
	Class 5	0		0		0	
V4	%OW <= 1.5ft	32	0.51	32	0.51	32	0.51
V5	Salinity (ppt)	5	1.00	5	1.00	5	1.00
V6	Access Value	0.15	0.24	0.19	0.27	0.24	0.32
	Emergent Marsh HSI =		**0.64**	**EM HSI =**	**0.65**	**EM HSI =**	**0.66**
	Open Water HSI =		**0.44**	**OW HSI =**	**0.38**	**OW HSI =**	**0.51**

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration Project Area: 3422

FWP

Variable		TY 20		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	68	0.71				
V2	% Aquatic	51	0.56				
V3	Interspersion	%		%		%	
	Class 1	60	0.68				
	Class 2	0					
	Class 3	0					
	Class 4	40					
	Class 5	0					
V4	%OW <= 1.5ft	35	0.55				
V5	Salinity (ppt)	5	1.00				
V6	Access Value	0.24	0.32				
	EM HSI =		**0.65**	**EM HSI =**		**EM HSI =**	
	OW HSI =		**0.51**	**OW HSI =**		**OW HSI =**	

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration Project Area: 3422

FWP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	2497	0.64	1588.47	
1	2487	0.63	1571.87	1580.16
20	2296	0.61	1403.49	28253.38
Max TY=	**20**		**AAHUs =**	**1491.68**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	2497	0.64	1588.47	
1	2489	0.65	1610.20	1599.35
3	2473	0.66	1640.93	3251.22
20	2342	0.65	1512.42	26796.86
Max TY=	**20**		**AAHUs**	**1582.37**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	1582.37
B. Future Without Project Emergent Marsh AAHUs =	1491.68
Net Change (FWP - FWOP) =	**90.69**

AAHU CALCULATION - OPEN WATER

Project: Cole's Bayou Marsh Restoration - Hydrologic Restoration

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	945	0.44	414.87	
1	955	0.44	419.26	417.07
20	1146	0.44	506.39	8792.01
Max TY=	**20**		**AAHUs =**	**460.45**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	945	0.44	414.87	
1	953	0.38	359.55	387.30
3	969	0.51	492.65	851.51
20	1100	0.51	562.40	8966.91
Max TY=	**20**		**AAHUs**	**510.29**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	510.29
B. Future Without Project Open Water AAHUs =	460.45
Net Change (FWP - FWOP) =	**49.83**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	90.69
B. Open Water Habitat Net AAHUs =	49.83
Net Benefits= (2.6xEMAAHUs+OWAAHUs)/3.6	**79.34**

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Cole's Bayou Marsh Restoration - Marsh Creation Project Area: 418

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	13	0.22	13	0.22	12	0.21
V2	% Aquatic	41	0.47	41	0.47	41	0.47
V3	Interspersion	%		%		%	
	Class 1	0	0.13	0	0.13	0	0.13
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	33		33		33	
	Class 5	67		67		67	
V4	%OW <= 1.5ft	39	0.60	39	0.60	31	0.50
V5	Salinity (ppt)	5	1.00	5	1.00	5	1.00
V6	Access Value	0.14	0.23	0.14	0.23	0.14	0.23
	Emergent Marsh HSI =		**0.30**	**EM HSI =**	**0.30**	**EM HSI =**	**0.29**
	Open Water HSI =		**0.40**	**OW HSI =**	**0.40**	**OW HSI =**	**0.39**

Project: Cole's Bayou Marsh Restoration - Marsh Creation Project Area: 418

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

Project: Cole's Bayou Marsh Restoration - Marsh Creation Project Area: 418

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Cole's Bayou Marsh Restoration - Marsh Creation Project Area: 418

Condition: Future With Project

Variable		TY 0		TY 1		TY 3	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	13	0.22	22	0.30	60	0.64
V2	% Aquatic	41	0.47	0	0.10	20	0.28
V3	Interspersion	%		%		%	
	Class 1	0	0.13	0	0.10	0	0.40
	Class 2	0		0		0	
	Class 3	0		0		100	
	Class 4	33		0		0	
	Class 5	67		100		0	
V4	%OW <= 1.5ft	39	0.60	100	0.60	100	0.60
V5	Salinity (ppt)	5	1.00	5	1.00	5	1.00
V6	Access Value	0.14	0.23	0.0001	0.10	0.26	0.33
	Emergent Marsh HSI =		**0.30**	**EM HSI =**	**0.30**	**EM HSI =**	**0.58**
	Open Water HSI =		**0.40**	**OW HSI =**	**0.20**	**OW HSI =**	**0.38**

Project: Cole's Bayou Marsh Restoration - Marsh Creation Project Area: 418

FWP

Variable		TY 5		TY 20		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	99	0.99	96	0.96		
V2	% Aquatic	51	0.56	51	0.56		
V3	Interspersion	%		%		%	
	Class 1	100	1.00	100	1.00		
	Class 2	0		0			
	Class 3	0		0			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	100	0.60	90	0.80		
V5	Salinity (ppt)	5	1.00	5	1.00		
V6	Access Value	0.26	0.33	0.26	0.33		
	EM HSI =		**0.82**	**EM HSI =**	**0.81**	**EM HSI =**	
	OW HSI =		**0.55**	**OW HSI =**	**0.56**	**OW HSI =**	

Project: Cole's Bayou Marsh Restoration - Marsh Creation Project Area: 418

FWP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Cole's Bayou Marsh Restoration - Marsh Creation

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	53	0.30	15.70	
1	53	0.30	15.70	15.70
20	49	0.29	14.25	284.46
Max TY=	**20**		**AAHUs =**	**15.01**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	53	0.30	15.70	
1	90	0.30	27.22	21.42
3	252	0.58	147.16	159.17
5	414	0.82	340.27	474.58
20	401	0.81	324.53	4985.64
Max TY=	**20**		**AAHUs**	**282.04**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	282.04
B. Future Without Project Emergent Marsh AAHUs =	15.01
Net Change (FWP - FWOP) =	**267.03**

AAHU CALCULATION - OPEN WATER

Project: Cole's Bayou Marsh Restoration - Marsh Creation

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	365	0.40	146.32	
1	365	0.40	146.32	146.32
20	369	0.39	145.11	2768.73
Max TY=	**20**		**AAHUs =**	**145.75**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	365	0.40	146.32	
1	1	0.20	0.20	61.30
3	3	0.38	1.15	1.23
5	4	0.55	2.19	3.28
20	17	0.56	9.54	87.47
Max TY=	**20**		**AAHUs**	**7.66**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	7.66
B. Future Without Project Open Water AAHUs =	145.75
Net Change (FWP - FWOP) =	**-138.09**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	267.03
B. Open Water Habitat Net AAHUs =	-138.09
Net Benefits= (2.6xEMAAHUs+OWAAHUs)/3.6	**154.50**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Fritchie Marsh Creation and Terracing

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Brackish Marsh	208.77

TOTAL BENEFITS = 209 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Fritchie Marsh Creation and Terracing Project Area: 2,021

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	12	0.21	12	0.21	10	0.19
V2	% Aquatic	33	0.40	33	0.40	30	0.37
V3	Interspersion	%		%		%	
	Class 1	0	0.13	0	0.13	0	0.13
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	30		30		30	
	Class 5	70		70		70	
V4	%OW <= 1.5ft	29	0.47	29	0.47	23	0.40
V5	Salinity (ppt)	3.2	1.00	3.2	1.00	3.2	1.00
V6	Access Value	0.76	0.78	0.76	0.78	0.76	0.78
	Emergent Marsh HSI =		**0.35**	**EM HSI =**	**0.35**	**EM HSI =**	**0.33**
	Open Water HSI =		**0.52**	**OW HSI =**	**0.52**	**OW HSI =**	**0.50**

Project: Fritchie Marsh Creation and Terracing Project Area: 2021

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

Project: Fritchie Marsh Creation and Terracing Project Area: 2021

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Fritchie Marsh Creation and Terracing Project Area: 2021

Condition: Future With Project

Variable		TY 0		TY 1		TY 3	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	12	0.21	14	0.23	26	0.33
V2	% Aquatic	33	0.40	30	0.37	60	0.64
V3	Interspersion	%		%		%	
	Class 1	0	0.13	0	0.27	0	0.36
	Class 2	0		0		0	
	Class 3	0		50		80	
	Class 4	30		20		20	
	Class 5	70		30		0	
V4	%OW <= 1.5ft	29	0.47	20	0.36	20	0.36
V5	Salinity (ppt)	3.2	1.00	3.2	1.00	3.2	1.00
V6	Access Value	0.76	0.78	0.49	0.54	0.8	0.82
	Emergent Marsh HSI =		**0.35**	**EM HSI =**	**0.36**	**EM HSI =**	**0.47**
	Open Water HSI =		**0.52**	**OW HSI =**	**0.46**	**OW HSI =**	**0.68**

Project: Fritchie Marsh Creation and Terracing Project Area: 2021

FWP

Variable		TY 5		TY 20		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	41	0.47	38	0.44		
V2	% Aquatic	60	0.64	60	0.64		
V3	Interspersion	%		%		%	
	Class 1	30	0.54	30	0.54		
	Class 2	0		0			
	Class 3	50		50			
	Class 4	20		20			
	Class 5	0		0			
V4	%OW <= 1.5ft	20	0.36	22	0.38		
V5	Salinity (ppt)	3.2	1.00	3.2	1.00		
V6	Access Value	0.8	0.82	0.8	0.82		
	EM HSI =		**0.59**	**EM HSI =**	**0.57**	**EM HSI =**	
	OW HSI =		**0.69**	**OW HSI =**	**0.69**	**OW HSI =**	

Project: Fritchie Marsh Creation and Terracing Project Area: 2021

FWP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Fritchie Marsh Creation and Terracing

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	237	0.35	81.83	
1	235	0.35	81.14	81.49
20	197	0.33	65.11	1387.64
Max TY=	**20**		**AAHUs =**	**73.46**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	237	0.35	81.83	
1	292	0.36	103.99	92.81
3	525	0.47	247.13	342.21
5	832	0.59	487.62	722.95
20	772	0.57	438.18	6940.72
Max TY=	**20**		**AAHUs**	**404.93**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	404.93
B. Future Without Project Emergent Marsh AAHUs =	73.46
Net Change (FWP - FWOP) =	**331.48**

AAHU CALCULATION - OPEN WATER

Project: Fritchie Marsh Creation and Terracing

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	1784	0.52	935.01	
1	1786	0.52	936.06	935.54
20	1824	0.50	914.96	17587.38
Max TY=	**20**		**AAHUs =**	**926.15**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	1784	0.52	935.01	
1	1172	0.46	533.89	727.46
3	1181	0.68	799.36	1332.59
5	1189	0.69	820.63	1619.96
20	1249	0.69	864.42	12637.63
Max TY=	**20**		**AAHUs**	**815.88**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	815.88
B. Future Without Project Open Water AAHUs =	926.15
Net Change (FWP - FWOP) =	**-110.26**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	331.48
B. Open Water Habitat Net AAHUs =	-110.26
Net Benefits= (2.6xEMAAHUs+OWAAHUs)/3.6	**208.77**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Labranche Central Marsh Creation

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Brackish Marsh	309.01

TOTAL BENEFITS = 309 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: **Labranche Central Marsh Creation**

Project Area:	902
% Fresh	
% Intermediate	100

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Value	**SI**	**Value**	**SI**	**Value**	**SI**
V1	% Emergent	15	0.24	15	0.24	14	0.23
V2	% Aquatic	30	0.37	30	0.37	30	0.37
V3	Interspersion	%		%		%	
	Class 1	0	0.20	0	0.20	0	0.20
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	100		100		100	
	Class 5	0		0		0	
V4	%OW <= 1.5ft	90	1.00	90	1.00	75	0.94
V5	Salinity (ppt)						
	fresh		1.00		1.00		1.00
	intermediate	1.94		1.94		1.94	
V6	Access Value						
	fresh		0.66		0.66		0.66
	intermediate	0.5700		0.5700		0.5700	
	Emergent Marsh HSI =		**0.35**	**EM HSI =**	**0.35**	**EM HSI =**	**0.34**
	Open Water HSI =		**0.50**	**OW HSI =**	**0.50**	**OW HSI =**	**0.49**

Project: Labranche Central Marsh Creation

FWOP

Variable		TY		TY		TY	
		Value	**SI**	**Value**	**SI**	**Value**	**SI**
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
	fresh						
	intermediate						
V6	Access Value						
	fresh						
	intermediate						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: Labranche Central Marsh Creation

Project Area:	902
% Fresh	
% Intermediate	100

Condition: Future With Project

Variable		TY	0	TY	1	TY	3
		Value	SI	Value	SI	Value	SI
V1	% Emergent	15	0.24	16	0.24	41	0.47
V2	% Aquatic	30	0.37	0	0.10	30	0.37
V3	Interspersion	%		%		%	
	Class 1	0	0.20	0	0.10	0	0.40
	Class 2	0		0		0	
	Class 3	0		0		100	
	Class 4	100		0		0	
	Class 5	0		100		0	
V4	%OW <= 1.5ft	90	1.00	100	0.60	100	0.60
V5	Salinity (ppt)						
	fresh		1.00		1.00		1.00
	intermediate	1.94		1.94		1.94	
V6	Access Value						
	fresh		0.66		0.20		0.66
	intermediate	0.5700		0.0001		0.5700	
	Emergent Marsh HSI =		**0.35**	**EM HSI =**	**0.31**	**EM HSI =**	**0.54**
	Open Water HSI =		**0.50**	**OW HSI =**	**0.22**	**OW HSI =**	**0.48**

Project: Labranche Central Marsh Creation

FWP

Variable		TY	5	TY	20	TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	99	0.99	95	0.96		
V2	% Aquatic	50	0.55	50	0.55		
V3	Interspersion	%		%		%	
	Class 1	100	1.00	100	1.00		
	Class 2	0		0			
	Class 3	0		0			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	100	0.60	90	1.00		
V5	Salinity (ppt)						
	fresh		1.00		1.00		
	intermediate	1.94		1.94			
V6	Access Value						
	fresh		0.66		0.66		
	intermediate	0.5700		0.5700			
	EM HSI =		**0.94**	**EM HSI =**	**0.92**	**EM HSI =**	
	OW HSI =		**0.64**	**OW HSI =**	**0.67**	**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Labranche Central Marsh Creation

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	139	0.35	48.68	
1	138	0.35	48.33	48.51
20	125	0.34	42.91	866.49
Max=	20		AAHUs =	45.75

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	139	0.35	48.68	
1	146	0.31	44.65	46.72
3	366	0.54	198.12	225.50
5	892	0.94	840.07	967.98
20	856	0.92	787.46	12204.53
Max=	20		AAHUs	672.24

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	672.24
B. Future Without Project Emergent Marsh AAHUs =	45.75
Net Change (FWP - FWOP) =	**626.49**

AAHU CALCULATION - OPEN WATER

Project: Labranche Central Marsh Creation

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	763	0.50	377.71	
1	764	0.50	378.21	377.96
20	777	0.49	381.40	7216.49
Max=	**20**		**AAHUs =**	**379.72**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	763	0.50	377.71	
1	0	0.22	0.00	153.68
3	5	0.48	2.40	1.96
5	10	0.64	6.40	8.53
20	46	0.67	30.79	276.20
Max=	**20**		**AAHUs**	**22.02**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	22.02
B. Future Without Project Open Water AAHUs =	379.72
Net Change (FWP - FWOP) =	**-357.70**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	626.49
B. Open Water Habitat Net AAHUs =	-357.70
Net Benefits=(2.1xEMAAHUs+OWAAHUs)/3.1	**309.01**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Lake Lery Shoreline Marsh Creation

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Brackish Marsh	172.46

TOTAL BENEFITS = 172 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: **Lake Lery Shoreline Marsh Creation**

Project Area:	589
% Fresh	0
% Intermediate	100

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Value	**SI**	**Value**	**SI**	**Value**	**SI**
V1	% Emergent	21	0.29	21	0.29	16	0.24
V2	% Aquatic	53	0.58	53	0.58	53	0.58
V3	Interspersion	%		%		%	
	Class 1	0	0.27	0	0.27	0	0.16
	Class 2	0		0		0	
	Class 3	55		55		0	
	Class 4	0		0		55	
	Class 5	45		45		45	
V4	%OW <= 1.5ft	10	0.21	10	0.21	7	0.18
V5	Salinity (ppt)						
	fresh		1.00		1.00		1.00
	intermediate	1.6		1.6		1.6	
V6	Access Value						
	fresh		1.00		1.00		1.00
	intermediate	1.0000		1.0000		1.0000	
	Emergent Marsh HSI =		**0.42**	**EM HSI =**	**0.42**	**EM HSI =**	**0.37**
	Open Water HSI =		**0.62**	**OW HSI =**	**0.62**	**OW HSI =**	**0.61**

Project: Lake Lery Shoreline Marsh Creation

FWOP

Variable		TY		TY		TY	
		Value	**SI**	**Value**	**SI**	**Value**	**SI**
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
	fresh						
	intermediate						
V6	Access Value						
	fresh						
	intermediate						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: Lake Lery Shoreline Marsh Creation

Project Area:	589
% Fresh	0
% Intermediate	100

Condition: Future With Project

Variable		TY	0	TY	1	TY	3
		Value	SI	Value	SI	Value	SI
V1	% Emergent	21	0.29	18	0.26	44	0.50
V2	% Aquatic	53	0.58	0	0.10	27	0.34
V3	Interspersion	%		%		%	
	Class 1	0	0.27	0	0.10	0	0.39
	Class 2	0		0		0	
	Class 3	55		0		95	
	Class 4	0		0		0	
	Class 5	45		100		5	
V4	%OW <= 1.5ft	10	0.21	100	0.60	100	0.60
V5	Salinity (ppt)						
	fresh		1.00		1.00		1.00
	intermediate	1.6		1.6		1.6	
V6	Access Value						
	fresh		1.00		0.22		0.97
	intermediate	1.0000		0.0201		0.9600	
	Emergent Marsh HSI =		**0.42**	**EM HSI =**	**0.32**	**EM HSI =**	**0.59**
	Open Water HSI =		**0.62**	**OW HSI =**	**0.22**	**OW HSI =**	**0.49**

Project: Lake Lery Shoreline Marsh Creation

FWP

Variable		TY	5	TY	10	TY	20
		Value	SI	Value	SI	Value	SI
V1	% Emergent	95	0.96	92	0.93	86	0.87
V2	% Aquatic	53	0.58	53	0.58	53	0.58
V3	Interspersion	%		%		%	
	Class 1	100	1.00	100	1.00	100	1.00
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	0		0		0	
	Class 5	0		0		0	
V4	%OW <= 1.5ft	100	0.60	100	0.60	90	1.00
V5	Salinity (ppt)						
	fresh		1.00		1.00		1.00
	intermediate	1.6		1.6		1.6	
V6	Access Value						
	fresh		0.97		1.00		1.00
	intermediate	0.9600		1.0000		1.0000	
	EM HSI =		**0.97**	**EM HSI =**	**0.95**	**EM HSI =**	**0.92**
	OW HSI =		**0.70**	**OW HSI =**	**0.71**	**OW HSI =**	**0.74**

AAHU CALCULATION - EMERGENT MARSH

Project: Lake Lery Shoreline Marsh Creation

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	125	0.42	52.12	
1	123	0.42	51.29	51.71
20	94	0.37	34.63	811.79
Max=	**20**		**AAHUs =**	**43.17**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	125	0.42	52.12	
1	107	0.32	34.19	42.87
3	257	0.59	150.38	171.30
5	562	0.97	543.27	654.87
10	543	0.95	517.50	2651.72
20	506	0.92	464.22	4906.42
Max=	**20**		**AAHUs**	**421.36**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	421.36
B. Future Without Project Emergent Marsh AAHUs =	43.17
Net Change (FWP - FWOP) =	**378.18**

AAHU CALCULATION - OPEN WATER

Project: Lake Lery Shoreline Marsh Creation

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	464	0.62	289.70	
1	466	0.62	290.95	290.33
20	495	0.61	303.79	5651.01
Max=	**20**		**AAHUs =**	**297.07**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	464	0.62	289.70	
1	11	0.22	2.42	115.55
3	19	0.49	9.36	11.06
5	27	0.70	18.99	27.79
10	46	0.71	32.55	128.77
20	83	0.74	61.18	466.81
Max=	**20**		**AAHUs**	**37.50**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	37.50
B. Future Without Project Open Water AAHUs =	297.07
Net Change (FWP - FWOP) =	**-259.57**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	378.18
B. Open Water Habitat Net AAHUs =	-259.57
Net Benefits=(2.1xEMAAHUs+OWAAHUs)/3.1	**172.46**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Northwest Turtle Bay Marsh Creation

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Fresh/Intermediate Marsh	187.49

TOTAL BENEFITS = 187 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: **Northwest Turtle Bay Marsh Creation**

Project Area:	807
% Fresh	0
% Intermediate	100

Condition: Future Without Project

Variable		TY 0 Value	TY 0 SI	TY 1 Value	TY 1 SI	TY 20 Value	TY 20 SI
V1	% Emergent	42	0.48	41	0.47	35	0.42
V2	% Aquatic	60	0.64	60	0.64	55	0.60
V3	Interspersion	%		%		%	
	Class 1	0	0.46	0	0.46	0	0.44
	Class 2	28		28		20	
	Class 3	72		72		80	
	Class 4	0		0		0	
	Class 5	0		0		0	
V4	%OW <= 1.5ft	52	0.69	52	0.69	22	0.35
V5	Salinity (ppt)						
	fresh		1.00		1.00		1.00
	intermediate	1.6		1.6		1.6	
V6	Access Value						
	fresh		1.00		1.00		1.00
	intermediate	1.0000		1.0000		1.0000	
	Emergent Marsh HSI =		**0.58**	**EM HSI =**	**0.58**	**EM HSI =**	**0.53**
	Open Water HSI =		**0.72**	**OW HSI =**	**0.72**	**OW HSI =**	**0.66**

Project: Northwest Turtle Bay Marsh Creation

FWOP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
	fresh						
	intermediate						
V6	Access Value						
	fresh						
	intermediate						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: Northwest Turtle Bay Marsh Creation

Project Area:	589
% Fresh	0
% Intermediate	100

Condition: Future With Project

Variable		TY	0	TY	1	TY	3
		Value	SI	Value	SI	Value	SI
V1	% Emergent	42	0.48	26	0.33	57	0.61
V2	% Aquatic	60	0.64	20	0.28	30	0.37
V3	Interspersion	%		%		%	
	Class 1	0	0.46	48	0.53	100	1.00
	Class 2	28		0		0	
	Class 3	72		0		0	
	Class 4	0		0		0	
	Class 5	0		52		0	
V4	%OW <= 1.5ft	52	0.69	100	0.60	100	0.60
V5	Salinity (ppt)						
	fresh		1.00		1.00		1.00
	intermediate	1.6		1.6		1.6	
V6	Access Value						
	fresh		1.00		0.20		1.00
	intermediate	1.0000		0.0001		1.0000	
	Emergent Marsh HSI =		**0.58**	**EM HSI =**	**0.41**	**EM HSI =**	**0.74**
	Open Water HSI =		**0.72**	**OW HSI =**	**0.36**	**OW HSI =**	**0.56**

Project: Northwest Turtle Bay Marsh Creation

FWP

Variable		TY	5	TY	20	TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	92	0.93	85	0.87		
V2	% Aquatic	70	0.73	70	0.73		
V3	Interspersion	%		%		%	
	Class 1	100	1.00	100	1.00		
	Class 2	0		0			
	Class 3	0		0			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	100	0.60	80	1.00		
V5	Salinity (ppt)						
	fresh		1.00		1.00		
	intermediate	1.6		1.6			
V6	Access Value						
	fresh		1.00		1.00		
	intermediate	1.0000		1.0000			
	EM HSI =		**0.95**	**EM HSI =**	**0.91**	**EM HSI =**	
	OW HSI =		**0.81**	**OW HSI =**	**0.84**	**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Northwest Turtle Bay Marsh Creation

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	337	0.58	196.21	
1	334	0.58	192.26	194.23
20	282	0.53	150.51	3249.41
Max=	**20**		**AAHUs =**	**172.18**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	337	0.58	196.21	
1	210	0.41	85.83	137.35
3	456	0.74	337.22	395.93
5	742	0.95	707.16	1024.02
20	689	0.91	628.00	10008.15
Max=	**20**		**AAHUs**	**578.27**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	578.27
B. Future Without Project Emergent Marsh AAHUs =	172.18
Net Change (FWP - FWOP) =	**406.09**

AAHU CALCULATION - OPEN WATER

Project: Northwest Turtle Bay Marsh Creation

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	470	0.72	336.11	
1	473	0.72	338.25	337.18
20	525	0.66	346.15	6510.99
Max=	**20**		**AAHUs =**	**342.41**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	470	0.72	336.11	
1	51	0.36	18.27	152.26
3	58	0.56	32.57	50.36
5	65	0.81	52.44	84.44
20	118	0.84	98.70	1129.69
Max=	**20**		**AAHUs**	**70.84**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	70.84
B. Future Without Project Open Water AAHUs =	342.41
Net Change (FWP - FWOP) =	**-271.57**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	406.09
B. Open Water Habitat Net AAHUs =	-271.57
Net Benefits=(2.1xEMAAHUs+OWAAHUs)/3.1	**187.49**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Oyster Bayou Marsh Restoration

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Saline Marsh	230.85

TOTAL BENEFITS = 231 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL
Saline Marsh

Project: **Oyster Bayou Marsh Restoration** Project Area: 809

Condition: Future Without Project

Variable		TY 0 Value	TY 0 SI	TY 1 Value	TY 1 SI	TY 20 Value	TY 20 SI
V1	% Emergent	13	0.22	13	0.22	12	0.21
V2	% Aquatic	10	0.37	10	0.37	5	0.34
V3	Interspersion	%		%		%	
	Class 1	0	0.15	0	0.15	0	0.15
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	50		50		50	
	Class 5	50		50		50	
V4	%OW <= 1.5ft	100	0.50	100	0.50	99	0.53
V5	Salinity (ppt)	17	1.00	17	1.00	17	1.00
V6	Access Value	0.80	0.82	0.80	0.82	0.80	0.82
	Emergent Marsh HSI =		**0.36**	**EM HSI =**	**0.36**	**EM HSI =**	**0.36**
	Open Water HSI =		**0.63**	**OW HSI =**	**0.63**	**OW HSI =**	**0.62**

Project: Oyster Bayou Marsh Restoration Project Area: 809

FWOP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

Project: Oyster Bayou Marsh Restoration Project Area: 809

FWOP

Variable		TY Value	TY SI	TY Value	TY SI	TY Value	TY SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Saline Marsh

Project: Oyster Bayou Marsh Restoration Project Area: 809

Condition: Future With Project

Variable		TY 0		TY 1		TY 3	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	13	0.22	19	0.27	49	0.54
V2	% Aquatic	10	0.37	5	0.34	10	0.37
V3	Interspersion	%		%		%	
	Class 1	0	0.15	0	0.18	0	0.40
	Class 2	0		0		0	
	Class 3	0		26		100	
	Class 4	50		0		0	
	Class 5	50		74		0	
V4	%OW <= 1.5ft	100	0.50	93	0.68	93	0.68
V5	Salinity (ppt)	17	1.00	17	1.00	17	1.00
V6	Access Value	0.80	0.82	0.2000	0.28	0.80	0.82
	Emergent Marsh HSI =		**0.36**	**EM HSI =**	**0.34**	**EM HSI =**	**0.62**
	Open Water HSI =		**0.63**	**OW HSI =**	**0.37**	**OW HSI =**	**0.66**

Project: Oyster Bayou Marsh Restoration Project Area: 809

FWP

Variable		TY 5		TY 20		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	76	0.78	72	0.75		
V2	% Aquatic	15	0.41	15	0.41		
V3	Interspersion	%		%		%	
	Class 1	74	0.84	74	0.84		
	Class 2	0		0			
	Class 3	26		26			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	93	0.68	92	0.70		
V5	Salinity (ppt)	17	1.00	17	1.00		
V6	Access Value	0.80	0.82	0.80	0.82		
	EM HSI =		**0.82**	**EM HSI =**	**0.80**	**EM HSI =**	
	OW HSI =		**0.71**	**OW HSI =**	**0.71**	**OW HSI =**	

Project: Oyster Bayou Marsh Restoration Project Area: 809

FWP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Oyster Bayou Marsh Restoration

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	109	0.36	39.58	
1	108	0.36	39.21	39.40
20	94	0.36	33.44	689.88
Max=	**20**		**AAHUs =**	**36.46**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	109	0.36	39.58	
1	156	0.34	53.57	46.73
3	395	0.62	245.86	277.20
5	617	0.82	506.90	738.02
20	583	0.80	466.51	7298.73
Max=	**20**		**AAHUs**	**418.03**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	418.03
B. Future Without Project Emergent Marsh AAHUs =	36.46
Net Change (FWP - FWOP) =	**381.57**

AAHU CALCULATION - OPEN WATER

Project: Oyster Bayou Marsh Restoration

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	700	0.63	441.20	
1	701	0.63	441.83	441.52
20	715	0.62	441.81	8395.21
Max=	**20**		**AAHUs =**	**441.84**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	700	0.63	441.20	
1	182	0.37	66.70	231.18
3	187	0.66	123.75	189.96
5	192	0.71	135.93	259.60
20	226	0.71	160.42	2222.42
Max=	**20**		**AAHUs**	**145.16**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	145.16
B. Future Without Project Open Water AAHUs =	441.84
Net Change (FWP - FWOP) =	**-296.68**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	381.57
B. Open Water Habitat Net AAHUs =	-296.68
Net Benefits= (3.5xEMAAHUs+OWAAHUs)/4.5	**230.85**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: Southeast Marsh Island Marsh Creation

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
Brackish Marsh	216.09

TOTAL BENEFITS = 216 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Southeast Marsh Island Marsh Creation Project Area: 610

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	44	0.50	44	0.50	40	0.46
V2	% Aquatic	10	0.19	10	0.19	10	0.19
V3	Interspersion	%		%		%	
	Class 1	17	0.39	17	0.39	17	0.39
	Class 2	0		0		0	
	Class 3	26		26		26	
	Class 4	57		57		57	
	Class 5	0		0		0	
V4	%OW <= 1.5ft	100	0.60	100	0.60	89	0.82
V5	Salinity (ppt)	6.9	1.00	6.9	1.00	6.9	1.00
V6	Access Value	1	1.00	1	1.00	1	1.00
	Emergent Marsh HSI =		**0.61**	**EM HSI =**	**0.61**	**EM HSI =**	**0.58**
	Open Water HSI =		**0.43**	**OW HSI =**	**0.43**	**OW HSI =**	**0.45**

Project: Southeast Marsh Island Marsh Creation Project Area: 610

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

Project: Southeast Marsh Island Marsh Creation Project Area: 610

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Brackish Marsh

Project: Southeast Marsh Island Marsh Creation Project Area: 610

Condition: Future With Project

Variable		TY 0		TY 1		TY 3	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	44	0.50	32	0.39	72	0.75
V2	% Aquatic	10	0.19	0	0.10	10	0.19
V3	Interspersion	%		%		%	
	Class 1	17	0.39	0	0.10	0	0.40
	Class 2	0		0		0	
	Class 3	26		0		100	
	Class 4	57		0		0	
	Class 5	0		100		0	
V4	%OW <= 1.5ft	100	0.60	100	0.60	100	0.60
V5	Salinity (ppt)	6.9	1.00	6.9	1.00	6.9	1.00
V6	Access Value	1	1.00	0.0001	0.10	1	1.00
	Emergent Marsh HSI =		**0.61**	**EM HSI =**	**0.34**	**EM HSI =**	**0.78**
	Open Water HSI =		**0.43**	**OW HSI =**	**0.20**	**OW HSI =**	**0.44**

Project: Southeast Marsh Island Marsh Creation Project Area: 610

FWP

Variable		TY 5		TY 20		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	99	0.99	95	0.96		
V2	% Aquatic	30	0.37	30	0.37		
V3	Interspersion	%		%		%	
	Class 1	100	1.00	100	1.00		
	Class 2	0		0			
	Class 3	0		0			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	100	0.60	90	0.80		
V5	Salinity (ppt)	6.9	1.00	6.9	1.00		
V6	Access Value	1	1.00	1	1.00		
	EM HSI =		**0.99**	**EM HSI =**	**0.97**	**EM HSI =**	
	OW HSI =		**0.62**	**OW HSI =**	**0.64**	**OW HSI =**	

Project: Southeast Marsh Island Marsh Creation Project Area: 610

FWP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
V6	Access Value						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: Southeast Marsh Island Marsh Creation

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	269	0.61	163.49	
1	268	0.61	162.88	163.18
20	245	0.58	142.64	2900.60
Max TY=	**20**		**AAHUs =**	**153.19**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	269	0.61	163.49	
1	194	0.34	66.54	111.70
3	436	0.78	339.06	370.53
5	603	0.99	599.75	926.73
20	583	0.97	567.22	8751.19
Max TY=	**20**		**AAHUs**	**508.01**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	508.01
B. Future Without Project Emergent Marsh AAHUs =	153.19
Net Change (FWP - FWOP) =	**354.82**

AAHU CALCULATION - OPEN WATER

Project: Southeast Marsh Island Marsh Creation

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	341	0.43	148.13	
1	342	0.43	148.57	148.35
20	365	0.45	164.51	2973.03
Max TY=	**20**		**AAHUs =**	**156.07**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	341	0.43	148.13	
1	1	0.20	0.20	61.10
3	4	0.44	1.74	1.71
5	7	0.62	4.35	5.90
20	27	0.64	17.16	160.59
Max TY=	**20**		**AAHUs**	**11.47**

NET CHANGE IN AAHUs DUE TO PROJECT		
A. Future With Project Open Water AAHUs	=	11.47
B. Future Without Project Open Water AAHUs	=	156.07
Net Change (FWP - FWOP) =		**-144.60**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT		
A. Emergent Marsh Habitat Net AAHUs	=	354.82
B. Open Water Habitat Net AAHUs	=	-144.60
Net Benefits= (2.6xEMAAHUs+OWAAHUs)/3.6		**216.09**

WETLAND VALUE ASSESSMENT

Benefits Summary Sheet

Project: White Ditch Marsh Creation

TOTAL BENEFITS IN AAHUs DUE TO PROJECT

Area	AAHUs
White Ditch Marsh Creation	118.77

TOTAL BENEFITS = 119 AAHUs

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: **White Ditch Marsh Creation**

Project Area:	380
% Fresh	
% Intermediate	100

Condition: Future Without Project

Variable		TY	0	TY	1	TY	20
		Value	SI	Value	SI	Value	SI
V1	% Emergent	6	0.15	6	0.15	5	0.15
V2	% Aquatic	70	0.73	70	0.73	70	0.73
V3	Interspersion	%		%		%	
	Class 1	0	0.10	0	0.10	0	0.10
	Class 2	0		0		0	
	Class 3	0		0		0	
	Class 4	0		0		0	
	Class 5	100		100		100	
V4	%OW <= 1.5ft	20	0.33	20	0.33	3	0.13
V5	Salinity (ppt)						
	fresh		0.88		0.88		0.88
	intermediate	3.1		3.1		3.1	
V6	Access Value						
	fresh		1.00		1.00		1.00
	intermediate	1.0000		1.0000		1.0000	
	Emergent Marsh HSI =		**0.27**	**EM HSI =**	**0.27**	**EM HSI =**	**0.26**
	Open Water HSI =		**0.71**	**OW HSI =**	**0.71**	**OW HSI =**	**0.70**

Project: White Ditch Marsh Creation

FWOP

Variable		TY		TY		TY	
		Value	SI	Value	SI	Value	SI
V1	% Emergent						
V2	% Aquatic						
V3	Interspersion	%		%		%	
	Class 1						
	Class 2						
	Class 3						
	Class 4						
	Class 5						
V4	%OW <= 1.5ft						
V5	Salinity (ppt)						
	fresh						
	intermediate						
V6	Access Value						
	fresh						
	intermediate						
	EM HSI =			**EM HSI =**		**EM HSI =**	
	OW HSI =			**OW HSI =**		**OW HSI =**	

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Fresh/Intermediate Marsh

Project: White Ditch Marsh Creation

Project Area:	
% Fresh	
% Intermediate	

Condition: Future With Project

Variable		TY 0 Value	TY 0 SI	TY 1 Value	TY 1 SI	TY 3 Value	TY 3 SI
V1	% Emergent	6	0.15	19	0.27	52	0.57
V2	% Aquatic	70	0.73	0	0.10	30	0.37
V3	Interspersion	%		%		%	
	Class 1	0	0.10	0	0.10	0	0.40
	Class 2	0		0		0	
	Class 3	0		0		100	
	Class 4	0		0		0	
	Class 5	100		100		0	
V4	%OW <= 1.5ft	20	0.33	100	0.60	100	0.60
V5	Salinity (ppt)						
	fresh		0.88		0.88		0.88
	intermediate	3.1		3.1		3.1	
V6	Access Value						
	fresh		1.00		0.20		1.00
	intermediate	1.0000		0.0001		1.0000	
	Emergent Marsh HSI =		**0.27**	**EM HSI =**	**0.31**	**EM HSI =**	**0.63**
	Open Water HSI =		**0.71**	**OW HSI =**	**0.21**	**OW HSI =**	**0.51**

Project: White Ditch Marsh Creation

FWP

Variable		TY 5 Value	TY 5 SI	TY 20 Value	TY 20 SI	TY Value	TY SI
V1	% Emergent	98	0.98	92	0.93		
V2	% Aquatic	85	0.87	85	0.87		
V3	Interspersion	%		%		%	
	Class 1	100	1.00	100	1.00		
	Class 2	0		0			
	Class 3	0		0			
	Class 4	0		0			
	Class 5	0		0			
V4	%OW <= 1.5ft	100	0.60	90	1.00		
V5	Salinity (ppt)						
	fresh		0.88		0.88		
	intermediate	3.1		3.1			
V6	Access Value						
	fresh		1.00		1.00		
	intermediate	1.0000		1.0000			
	EM HSI =		**0.97**	**EM HSI =**	**0.94**	**EM HSI =**	
	OW HSI =		**0.88**	**OW HSI =**	**0.91**	**OW HSI =**	

AAHU CALCULATION - EMERGENT MARSH

Project: White Ditch Marsh Creation

Future Without Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	23	0.27	6.27	
1	23	0.27	6.27	6.27
20	20	0.26	5.29	109.72
Max=	**20**		**AAHUs =**	**5.80**

Future With Project			Total	Cummulative
TY	Marsh Acres	x HSI	HUs	HUs
0	23	0.27	6.27	
1	74	0.31	22.89	14.26
3	199	0.63	124.91	134.53
5	373	0.97	363.67	468.43
20	357	0.94	335.48	5242.18
Max=	**20**		**AAHUs**	**292.97**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Emergent Marsh AAHUs =	292.97
B. Future Without Project Emergent Marsh AAHUs =	5.80
Net Change (FWP - FWOP) =	**287.17**

AAHU CALCULATION - OPEN WATER

Project: White Ditch Marsh Creation

Future Without Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	357	0.71	253.80	
1	357	0.71	253.80	253.80
20	360	0.70	250.83	4794.12
Max=	**20**		**AAHUs =**	**252.40**

Future With Project			Total	Cummulative
TY	Water Acres	x HSI	HUs	HUs
0	357	0.71	253.80	
1	2	0.21	0.42	97.44
3	4	0.51	2.03	2.25
5	7	0.88	6.17	7.83
20	29	0.91	26.42	242.77
Max=	**20**		**AAHUs**	**17.51**

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project Open Water AAHUs =	17.51
B. Future Without Project Open Water AAHUs =	252.40
Net Change (FWP - FWOP) =	**-234.88**

TOTAL BENEFITS IN AAHUs DUE TO PROJECT	
A. Emergent Marsh Habitat Net AAHUs =	287.17
B. Open Water Habitat Net AAHUs =	-234.88
Net Benefits=(2.1xEMAAHUs+OWAAHUs)/3.1	**118.77**

Coastal Wetlands Planning, Protection, and Restoration Act

21st Priority Project List Report

Appendix D

Economic Analyses for Candidate Projects

Appendix D

Economic Analyses for Candidate Projects

Table of Contents

Coastal Wetlands Conservation and Restoration Plan
Bayou Grande Cheniere Marsh Creation
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$47,825,628	Total Fully Funded Costs	$48,646,882

Total Charges	Present Worth	Average Annual
First Costs	$47,472,909	$3,493,140
Monitoring	$0	$0
State O & M Costs	$459,513	$33,812
Other Federal Costs	$78,241	$5,757
Average Annual Cost	$3,532,709	$3,532,709
Average Annual Habitat Units	190	
Cost Per Habitat Unit	$18,593	
Total Net Acres	419	

Coastal Wetlands Conservation and Restoration Plan
Bayou L'Ours Terracing
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$5,064,042	Total Fully Funded Costs	$5,447,519

Total Charges	Present Worth	Average Annual
First Costs	$4,973,144	$365,933
Monitoring	$0	$0
State O & M Costs	$199,963	$14,714
Other Federal Costs	$67,860	$4,993
Average Annual Cost	$385,639	$385,639
Average Annual Habitat Units	32	
Cost Per Habitat Unit	$12,051	
Total Net Acres	58	

Coastal Wetlands Conservation and Restoration Plan
Cole's Bayou Marsh Restoration
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$25,400,444	Total Fully Funded Costs	$26,631,224

Total Charges	Present Worth	Average Annual
First Costs	$25,317,630	$1,862,916
Monitoring	$401,590	$29,550
State O & M Costs	$325,878	$23,979
Other Federal Costs	$88,626	$6,521
Average Annual Cost	$1,922,965	$1,922,965
Average Annual Habitat Units	234	
Cost Per Habitat Unit	$8,218	
Total Net Acres	398	

Coastal Wetlands Conservation and Restoration Plan
Fritchie Marsh Creation and Terracing
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$44,745,143	Total Fully Funded Costs	$46,080,753

Total Charges	Present Worth	Average Annual
First Costs	$44,555,723	$3,278,488
Monitoring	$633,866	$46,641
State O & M Costs	$173,461	$12,764
Other Federal Costs	$90,576	$6,665
Average Annual Cost	$3,344,557	$3,344,557
Average Annual Habitat Units	209	
Cost Per Habitat Unit	$16,003	
Total Net Acres	575	

Coastal Wetlands Conservation and Restoration Plan
LaBranche Central Marsh Creation
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$41,576,067	Total Fully Funded Costs	$42,159,208

Total Charges	Present Worth	Average Annual
First Costs	$41,275,510	$3,037,124
Monitoring	$0	$0
State O & M Costs	$313,305	$23,054
Other Federal Costs	$74,982	$5,517
Average Annual Cost	$3,065,695	$3,065,695
Average Annual Habitat Units	309	
Cost Per Habitat Unit	$9,921	
Total Net Acres	731	

Coastal Wetlands Conservation and Restoration Plan
Lake Lery
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$30,530,617	Total Fully Funded Costs	$31,278,012

Total Charges	Present Worth	Average Annual
First Costs	$30,373,474	$2,234,933
Monitoring	$303,258	$22,314
State O & M Costs	$115,978	$8,534
Other Federal Costs	$77,936	$5,735
Average Annual Cost	$2,271,516	$2,271,516
Average Annual Habitat Units	172	
Cost Per Habitat Unit	$13,206	
Total Net Acres	412	

Coastal Wetlands Conservation and Restoration Plan
Northwest Turtle Bay Marsh Creation
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$22,262,106	Total Fully Funded Costs	$23,198,757

Total Charges	Present Worth	Average Annual
First Costs	$22,193,140	$1,633,010
Monitoring	$0	$0
State O & M Costs	$596,380	$43,883
Other Federal Costs	$85,982	$6,327
Average Annual Cost	$1,683,220	$1,683,220
Average Annual Habitat Units	187	
Cost Per Habitat Unit	$9,001	
Total Net Acres	407	

Coastal Wetlands Conservation and Restoration Plan
Oyster Bayou Marsh Restoration
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$28,849,321	Total Fully Funded Costs	$29,781,355

Total Charges	Present Worth	Average Annual
First Costs	$28,750,844	$2,115,537
Monitoring	$433,937	$31,930
State O & M Costs	$128,262	$9,438
Other Federal Costs	$81,636	$6,007
Average Annual Cost	$2,162,912	$2,162,912
Average Annual Habitat Units	231	
Cost Per Habitat Unit	$9,363	
Total Net Acres	489	

Coastal Wetlands Conservation and Restoration Plan
SE Marsh Island Marsh Creation
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$21,447,293	Total Fully Funded Costs	$22,532,305

Total Charges	Present Worth	Average Annual
First Costs	$21,523,561	$1,583,741
Monitoring	$282,679	$20,800
State O & M Costs	$307,125	$22,599
Other Federal Costs	$74,412	$5,475
Average Annual Cost	$1,632,615	$1,632,615
Average Annual Habitat Units	216	
Cost Per Habitat Unit	$7,558	
Total Net Acres	338	

Coastal Wetlands Conservation and Restoration Plan
White Ditch Marsh Creation
Project Priority List 21 (ver.070711)

Project Construction Years:	4	Total Project Years	24
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$29,506,050	Total Fully Funded Costs	$30,520,482

Total Charges	Present Worth	Average Annual
First Costs	$29,442,431	$2,166,426
Monitoring	$282,679	$20,800
State O & M Costs	$255,542	$18,803
Other Federal Costs	$72,040	$5,301
Average Annual Cost	$2,211,330	$2,211,330
Average Annual Habitat Units	119	
Cost Per Habitat Unit	$18,583	
Total Net Acres	331	

Coastal Wetlands Conservation and Restoration Plan
Automated Marsh Planting DEMO
Project Priority List 21 (ver.071810)

Project Construction Years:	2	Total Project Years	7
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$2,213,585	Total Fully Funded Costs	$2,300,608

Total Charges	Present Worth	Average Annual
First Costs	$2,199,135	$161,816
Monitoring	$0	$0
State O & M Costs	$59,190	$4,355
Other Federal Costs	$9,323	$686
Average Annual Cost	$166,858	$166,858
Average Annual Habitat Units	NA	
Cost Per Habitat Unit	$0	
Total Net Acres	NA	

Coastal Wetlands Conservation and Restoration Plan
Deltalok Demonstration Project
Project Priority List 21

Project Construction Years:	2	Total Project Years	7
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$1,571,900	Total Fully Funded Costs	$1,750,312

Total Charges	Present Worth	Average Annual
First Costs	$1,587,110	$116,782
Monitoring	$0	$0
State O & M Costs	$78,290	$5,761
Other Federal Costs	$63,636	$4,682
Average Annual Cost	$127,226	$127,226
Average Annual Habitat Units	NA	
Cost Per Habitat Unit	$0	
Total Net Acres	NA	

Coastal Wetlands Conservation and Restoration Plan

Habitat Enhancement through Vegetative Plantings Using Gulf Saver Bags DEMO

Project Priority List 21 (ver.070711)

Project Construction Years:	2	Total Project Years	7
Interest Rate	4.000%	Amortization Factor	0.07358
Fully Funded First Costs	$928,968	Total Fully Funded Costs	$1,053,181

Total Charges	Present Worth	Average Annual
First Costs	$930,266	$68,451
Monitoring	$0	$0
State O & M Costs	$81,044	$5,963
Other Federal Costs	$20,896	$1,538
Average Annual Cost	$75,952	$75,952
Average Annual Habitat Units	NA	
Cost Per Habitat Unit	$0	
Total Net Acres	NA	

Coastal Wetlands Planning, Protection, and Restoration Act

21st Priority Project List Report

Appendix E

Public Support for Candidate Projects

21st Priority Project List

Public Support for Candidate Projects

Bayou Grand Cheniere Marsh Creation and Terracing

- Albertine Kimble, Plaquemines Parish Government

Bayou L'Ours Terracing

- Lin Kiger, President and CEO, Lafourche Chamber of Commerce
- Simone Theriot Maloz, Executive Director, Restore or Retreat
- Phillip Precht, Manager - Feelands, The Louisiana Land and Exploration Company
- Archie Chaisson III, Administrator, Office of Coastal Zone Management, Lafourche Parish Government

Cole's Bayou Marsh Restoration

No written comments submitted for this project

Fritchie Marsh Creation and Terracing

No written comments submitted for this project

Labranche Central Marsh Creation

No written comments submitted for this project

Lake Lery Shoreline Marsh Creation

No written comments submitted for this project

Northwest Turtle Bay Marsh Creation

- Phillip Precht, Manager - Feelands, The Louisiana Land and Exploration Company
- Marnie Winter, Director, Jefferson Parish Department of Environmental Affairs

Oyster Bayou Marsh Restoration

No written comments submitted for this project

Southeast Marsh Island Marsh Creation

- No written comments submitted for this project

White Ditch Marsh Creation

- Albertine Kimble, Plaquemines Parish Government

Public Support for Candidate Demonstration Projects

Automated Marsh Planting Demo

No written comments submitted for this project

Deltalok Coastline Stabilization Demo

- Marnie Winter, Director, Jefferson Parish Department of Environmental Affairs

Gulf Saver Bags Demo

No written comments submitted for this project

Coastal Wetlands Planning, Protection, and Restoration Act

21st Priority Project List Report

Appendix F

Project Status Summary Report from 1st through 21st Priority Project Lists

by Lead Agency, Priority List, and Basin

Appendix F

Project Status Summary Report from 1st through 21st Priority Project Lists

by Lead Agency, Priority List, and Basin

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DEPARTMENT OF THE INTERIOR, FISH & WILDLIFE SERVICE

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

PROJECT STATUS SUMMARY REPORT

29 May 2012

Summary report on the status of CWPPRA projects prepared for the Louisiana Coastal Wetlands Conservation and Restoration Task Force.

Reports enclosed:

Project Details by Lead Agency

Project Summary by Basin

Project Summary by Priority List

Information based on data furnished by the Federal Lead Agencies and collected by the Corps of Engineers

Prepared by:

Planning, Programs and Project Management Division
Projects Branch
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60267
New Orleans, LA 70160-0267

CEMVN-PM-W

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

28-May-2012

Project Summary Report by Priority List

P/L	No. of Projects	Acres	CSA Executed	Under Const.	Const. Completed	Federal Const. Funds Available	Non/Fed Const. Funds Matching Share	Baseline Estimate	Current/Approved Funded Estimate	Obligations To Date	Expenditures To Date
1	14	18,932	14	0	14	$28,084,900	$11,341,314	$39,933,317	$66,595,763	$62,391,871	$59,025,407
2	14	13,090	14	0	14	$28,173,110	$14,081,363	$37,421,334	$84,757,298	$81,371,853	$69,079,168
3	11	12,073	11	0	10	$29,939,100	$8,256,219	$32,879,168	$50,659,808	$42,880,528	$38,137,317
4	4	1,650	4	0	4	$29,957,533	$2,155,295	$10,468,030	$13,228,247	$13,128,360	$12,502,676
5	6	1,907	6	0	6	$33,371,625	$1,743,667	$15,535,356	$14,002,509	$13,895,791	$12,623,430
6	11	9,705	11	0	10	$39,134,000	$6,692,951	$54,614,997	$66,859,193	$47,691,394	$39,359,701
7	4	1,873	4	0	4	$42,540,715	$5,120,539	$21,090,046	$34,136,929	$30,895,774	$29,475,151
8	7	1,529	6	1	5	$41,864,079	$5,663,481	$41,452,292	$37,487,913	$22,206,729	$21,154,781
9	13	2,722	11	2	8	$47,907,300	$14,674,717	$102,504,256	$93,072,793	$83,587,045	$56,316,651
10	11	9,607	9	0	6	$47,659,220	$15,286,662	$90,506,652	$98,908,966	$90,593,082	$70,697,620
11	12	23,149	11	2	6	$57,332,369	$38,796,229	$295,341,215	$258,641,528	$230,775,775	$155,415,153
11.1	1	330	1	0	1	$0	$7,065,116	$19,252,500	$14,130,233	$14,008,446	$13,918,568
12	4	1,313	3	1	2	$51,938,097	$6,349,999	$51,327,575	$40,880,193	$36,250,425	$31,720,948
13	5	1,470	4	1	2	$54,023,130	$7,593,392	$52,913,123	$50,622,611	$41,890,594	$37,548,323
14	3	464	3	1	1	$53,054,804	$7,052,065	$46,260,702	$44,057,935	$40,307,028	$29,461,626
15	2	765	2	1	0	$58,059,645	$5,970,199	$39,114,680	$39,012,393	$32,878,731	$897,773
16	5	1,757	4	1	1	$71,402,872	$7,262,803	$49,100,014	$48,418,687	$38,317,134	$4,899,163
17	6	1,435	5	0	1	$83,286,685	$11,503,826	$77,132,206	$76,692,170	$39,408,081	$4,400,534
18	5	2,912	4	0	0	$84,916,489	$7,649,630	$51,638,886	$50,997,534	$8,394,832	$3,478,837
19	4	2,051	4	0	0	$79,566,889	$1,610,512	$10,736,747	$10,736,747	$9,375,440	$2,380,760
20	5	2,364	1	0	0	$77,389,442	$2,219,558	$22,896,117	$14,797,055	$3,275,569	$504,459
21	4	2,025	0	0	0	$74,239,647	$1,881,332	$12,542,213	$12,542,213	$3,887,913	$0
Active Projects	151	113,123	132	10	95	$1,113,841,651	$194,876,675	$1,174,661,426	$1,221,238,719	$987,412,394	$692,998,046
Deauthorized	36		23	0	2			$110,011,943	$29,493,510	$22,568,417	$22,526,135
Total Projects	187	113,123	155	10	97	$1,113,841,651	$194,876,675	$1,284,673,369	$1,250,732,228	$1,009,980,811	$715,524,181
Cons Plan	1		1	0	1	$0	$41,091	$238,871	$191,807	$143,855	$143,855
CPSSF	1	0	1	0	0	$0	$55,805	$372,036	$372,036	$0	$0
CRMS	1		1	1	0	$0	$9,956,326	$60,129,663	$66,375,508	$42,282,608	$35,156,960
MCF	1		1	1	0	$0	$225,000	$1,500,000	$1,500,000	$869,356	$666,704
SRAF	1		1	1	0	$0	$85,438	$569,586	$569,586	$426,056	$426,056
Total Construction Program	192	113,123	160	13	98	$1,113,841,651	$205,184,531	$1,347,483,525	$1,319,741,165	$1,053,702,686	$751,917,756
							$1,319,026,181				

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Summary Report by Priority List

NOTES:

1. Total of 192 projects includes 151 active construction projects, 34 deauthorized projects, 2 transferred projects, the CRMS-Wetlands Monitoring project,8 the Monitoring Contingency Fund, the Storm Recovery Assessment Fund, the Construction Program Technical Support Services Fund, and the State of Louisiana's Wetlands Conservation Plan.
2. Federal funding for FY12 is estimated to be $74,239,647 for the construction program..
3. Total construction program funds available is $1,319,026,18.
4. The current estimate for reconciled, closed-out deauthorized projects is equal to expenditures to date.
5. Current Estimate for the 5th priority list includes authorized funds for FY 96, FY 97 FY 98 and FY 99 for phased projects with multi-year funding.
6. Current Estimate for the 6th priority list includes authorized funds for FY 97, FY 98 and FY 99 for phased projects with multi-year funding.
7. The Task Force approved 8 unfunded projects, totalling $77,492,000 on Priority List 7 (not included in totals).
8. Obligations include expenditures and remaining obligations to date.
9. Non-Federal Construction Funds Available are estimated using cost share percentages as authorized for before and after approval of Conservation Plan.
10. Priority Lists 9 through 20 are funded utilizing cash flow management. Baseline and current esimates for these priority lists reflect only approved, funded estimates. Both baseline and current estimates are revised as funding is approved.
11. The amount shown for the non-federal construction funds available is comprised of 5% minimum cash of current estimate, and the remainder may be WIK and/or cash. The percentage of WIK would influence the total construction funds (cash) available.
12. PPL 11, Maurepas Diversion project, benefits 36,121 acres of swamp. This number is not included in the acre number in this table, beause this acreage is classified differently than acres protected by marsh projects.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lead Agency: DEPT. OF THE ARMY, CORPS OF ENGINEERS										
Priority List 1										
Barataria Bay Waterway Wetland Creation	BARA	JEFF	445	24-Apr-1995 A	22-Jul-1996 A	15-Oct-1996 A	$1,759,257	$1,172,896	66.7	$1,172,896 $1,172,896
Status: The enlargement of Queen Bess Island was incorporated into the project and the construction of a 9-acre cell was completed in October 1996, at a cost of $945,678. Remaining funds may be used to clear marsh creation sites of oyster leases. If oyster-related conflicts are removed from the remaining marsh creation sites, these areas will be incorporated into the Corp's O&M disposal plan for the next three maintenance cycles. The USACE, LADNR, and LDWF are currently pursuing an administrative process to identify and prioritize beneficial use sites along the BBWW. Additional monitoring of the Queen Bess site was discontinued in 2002 on the recommendation of the local sponsor and monitoring team. There is no operations and maintenance plan for this project. The 20-year life for this CWPPRA project expires on 15 Oct 2016.										
Bayou Labranche Wetland Creation	PONT	STCHA	203	17-Apr-1993 A	06-Jan-1994 A	07-Apr-1994 A	$4,461,301	$3,817,929	85.6	$3,853,925 $3,812,792
Status: Contract awarded to T. L. James Co. (Dredge "Tom James") for dredging approximately 2,500,000 cy of Lake Pontchartrain sediments and placing in marsh creation area. Contract final inspection was performed on April 7, 1994. Site visit by Task Force took place on April 13, 1994. The project is being monitored; the majority of the monitoring has already been completed and is proceeding in accordance as originally planned for this project. The goal of creating a shallow water habitat conducive to the natural establishment of wetland vegetation seems to have been partially met. As sediment continues to consolidate and water is maintained in the area, upland vegetation is expected to be supplanted by more oblilgate wetland species. One project goal is to increase the marsh:open water ratio in the project area to a minimum of 70% emergent marsh to 30% open water after 5 years following project completion. As of 1997, the project area contained about 82% land and 18% water, which is higher than the minimum goal. The consolidation of dredged material over time has reached an elevation that appears to sustain the 70% (land and marsh) component of the project area. The soil properties and the vegetation community of the project have developed into characteristic wetland habitat for the region. The project will be monitored for 20 years. There is no O&M plan for this project; the project's 20 year life expires on 7 Apr 2014.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lake Salvador Shoreline Protection at Jean Lafitte NHP&P	BARA	JEFF		29-Oct-1996 A	01-Jun-1995 A	21-Mar-1996 A	$60,000	$58,753	97.9	$58,753 $58,753
	Status:	This project was added to Priority List 1 at the March 1995 Task Force meeting. The Task Force approved the expenditure of up to $45,000 in Federal funds and non-Federal funds of $15,000 (25%) for the design of the project. A design review meeting was held with Jean Lafitte Park personnel in May 1996 to resolve design comments prior to advertisement for the construction contract. The contract was awarded December 4, 1996 for $610,000 to Bertucci Contracting Corp. The contract was completed in March 1997. Complete. This project was design only.								
Vermilion River Cutoff Bank Protection	TECHE	VERMI	65	17-Apr-1993 A	10-Jan-1996 A	11-Feb-1996 A	$1,526,000	$2,022,987	132.6 !	$2,024,367 $1,998,382
	Status:	The project was modified by moving the dike from the west to the east bank of the cutoff to better protect the wetlands. The need for the sediment retention fence on the west bank is still undetermined. The Task Force approved a revised project estimate of $2,500,000; however, current estimate is less. The Task Force approved a revised project estimate of $2,500,000; however, current estimate is less. Condemnation of real estate easements was required because of unclear ownership titles and significantly lengthened the project schedule. Construction was completed in February 1996. Complete.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
West Bay Sediment Diversion	DELTA	PLAQ	9,831	29-Aug-2002 A	10-Sep-2003 A	28-Nov-2003 A	$8,517,066	$33,311,311	391.1 !	$32,618,883 $31,506,257

Status: Flow measurements taken in May 2008 recorded a discharge of 51,270 cubic feet per second of Mississippi River water through the project diversion channel. Since constructed in 2003 the diversion project discharge has averaged 19,188 cfs. Initial construction of the project was designed to allow the discharge of 20,000 cfs at the 50% exceedence stage. Discharge measurements are taken roughly monthly using an accoustic doppler profiler as part of project surveillance and performance monitoring. At this point there is no evidence in the project area of marsh accretion from the deposition of diverted river sediment.

In 2006 the USACE performed maintenance dredging in the Pilottown Anchorage Area to remove induced shoal material in accordance with the project operations plan. Material from the dredging work was used benefcially for marsh creation in West Bay. The dredging event was performed using a hopper dredge linked to a pump out system - a first of its kind use of this technology in Louisiana wetlands restoration. To date approximately 225 acres of marsh have been created through the beneficial use of dredged material from the channel construction and maintaining the anchorage area.

Project construction began in September 2003 and construction was completed in November 2003. An advertisement for construction of the project opened 08 July 2003 and bids were opened on 11 August 2003. Chevron-Texaco relocated a major oil pipeline in May 2003 under a reimbursable construction agreement. A real estate plan for the project was completed in October 2002 and execution of the plan will be completed in July 2003. The project Cost Sharing Agreement was signed August 29, 2002. A 95% design review was held May 17, 2002. A Record of Decision finalizing the EIS was signed on March 18, 2002. The Task Force, by fax vote, approved a revised project description and reauthorized the project to comply with CWPPRA Section 3952 in April 2002. At the January 10, 2001 Task Force meeting, approval was granted to proceed with the project at the current price of $22 million due to the increased costs of maintaining the anchorage area. A VE study on the project was undertaken in August 2000.

Total Priority List	1	10,544	$16,323,624	$40,383,875	247.4	$39,728,824 $38,549,080

5 Project(s)
5 Cost Sharing Agreements Executed
5 Construction Started
5 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 2

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Clear Marais Bank Protection	CA/SB	CALCA	1,067	29-Apr-1996 A	29-Aug-1996 A	03-Mar-1997 A	$1,741,310	$3,696,088	212.3 !	$3,577,693 $2,928,017

Status: The original construction estimate was low, based on the proposed plan in that the rock quantity estimate was less than half of the quantity needed (based on the original design), and the estimate did not include a floatation channel needed for construction. This accounts for most of the cost increase shown. The current estimate is based on the original rock dike design and costs about $89/foot.

Complete.

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
West Belle Pass Headland Restoration	TERRE	LAFOU	474	27-Dec-1996 A	10-Feb-1998 A	15-Aug-2007 A	$4,854,102	$6,751,441	139.1 !	$6,690,069 $6,603,801

Status: Status: Original project construction completed July 1998. Supplemental disposal for wetland creation anticipated September 2006.

Problems: Construction of the original project started in February 1998, and pumping of dredged material into the project area for wetland creation began in May 1998. Project area conditions were sub-optimal at the time of disposal due to unforeseen weather patterns. In 1998, the area experienced frequent storm activity with sustained winds, high-energy waves, and large amounts of rainfall. Southerly winds heightened tides and raised water levels in the project area to such an extent that dewatering of the dredged material was greatly inhibited. Slurry heights were difficult to determine and therefore, estimates of the amount and height of the material placed in the project area were uncertain at best. In addition, winds from the west battered the project area making the integrity of dike between Timbalier Bay and Bay Toulouse extremely difficult to maintain. The material for the dike had to be layered in geotextile to hold it together and, shortly after disposal was discontinued, the dike breached from the high water and waves affecting the project area. As a result, once the project's disposal areas dewatered and settled shallow open water still remained in much of the project area where emergent wetlands were anticipated. Therefore, with the 2006 scheduled maintenance of the inland portion of Bayou Lafourche and Belle Pass upcoming, CEMVN plans to once again deposit maintenance material from these channels into the West Belle Pass project area in an effort to complete the wetland restoration anticipated under the original project.

All the dredged material containment features and rock protection of the project were constructed during the original construction. However, refurbishment of the westernmost retainment dike and reconstruction of the closure between Timberlier Bay and Bay Toulouse would be necessary to achieve a second disposal into the project area.

Restoration Strategy: Dredged material from Bayou Lafourche and Belle Pass would be deposited in the bays and canals of the project area to an elevation between +3.5 to +4.0 feet (ft) MLG, so that the settled elevation would be approximately the same as nearby healthy marsh, which occurs between +2.0 and +2.5 ft MLG.

Progress to Date: Supplemental Environmental Assessment # 271B is currently out on public review. Construction of the project is anticipated to begin in mid September.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		2	1,541				$6,595,412	$10,447,529	158.4	$10,267,763 $9,531,819

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

Priority List 3

Channel Armor Gap Crevasse	DELTA	PLAQ	936	13-Jan-1997 A	22-Sep-1997 A	02-Nov-1997 A	$808,397	$888,985	110.0	$860,564 $758,524

Status: Cost increase was due to additional project management costs, by both Federal and Local Sponsor.

Surveys identified a pipeline in the crevasse area which would be negatively impacted by the project. US Fish & Wildlife Service reviewed their permit for the pipeline and determined that Shell Pipeline was required to lower it at their own cost. USFWS requested a modification to the alignment on USFWS-owned lands.

Construction complete.

MRGO Disposal Area Marsh Protection	PONT	STBER	755	17-Jan-1997 A	25-Jan-1999 A	29-Jan-1999 A	$512,198	$313,145	61.1	$313,145 $313,145

Status: Completed scope of work greatly reduced. Work was to be performed via a simplified acquisition contract as estimated construction cost is under $100,000. Bids received were higher than Government estimate by 25%. Subsequently received an in-house labor estimate from Vicksburg District. Vicksburg District completed construction on 29 January 1999.

Cost increase was due to additional project management costs, environmental investigations and local sponsor activities not included in the baseline estimate. Further title research indicates that private ownership titles are unclear, requiring condemnation. This accounts for the long period between CSA execution and project construction.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT
Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Pass-a-Loutre Crevasse [DEAUTHORIZED]	DELTA	PLAQ					$2,857,790	$119,835	4.2	$119,835 $119,835
Status: Two pipelines and two power poles are in the area of the crevasse, increasing relocation costs by approximately $2.15 million. LA DNR asked that the Corps investigate alternative locations to avoid or minimize impacts to the pipelines, but there are no more suitable locations for the cut. The Corps has also reviewed the design to determine whether relocations cost-savings could be achieved. Reducing the bottom width of the crevasse from 430 feet as originally proposed to 200 feet reduced the relocation cost only marginally. A draft memorandum dated December 5, 1997 was sent to the CWPPRA Technical Committee Chairman requesting the Task Force to deauthorize the project. COE requested deauthorization at the January 16, 1998 Task Force meeting. Task Force formally deauthorized project July 23, 1998.									
Total Priority List		3	1,691				$4,178,385	$1,321,965	31.6	$1,293,545 $1,191,504

3 Project(s)
2 Cost Sharing Agreements Executed
2 Construction Started
2 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 4

Beneficial Use of Hopper Dredge Material Demonstration (DEMO) [DEAUTHORIZED]	DELTA	PLAQ		30-Jun-1997 A			$300,000	$58,310	19.4	$60,673 $58,310
Status: Current scheme was found to be non-implementable due to inability of the hopper dredge to get close enough to the disposal area to spray over the bank of the Mississippi River. Project deauthorized October 4, 2000.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Grand Bay Crevasse [DEAUTHORIZED]	BRET	PLAQ					$2,468,908	$65,747	2.7	$65,747 $65,747

Status: The major landowner has indicated non-support of the project and has withheld ROE because of concern about sedimentation negatively impacting oil and gas interests within the deposition area.

A draft memorandum dated December 5, 1997 was sent to the CWPPRA Technical Committee Chairman requesting the Task Force to deauthorize the project. COE requested deauthorization at the January 16, 1998 Task Force meeting. Project deauthorized July 23, 1998.

Total Priority List	4						$2,768,908	$124,057	4.5	$126,420 $124,057

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

Priority List 5

Bayou Chevee Shoreline Protection	PONT	ORL	75	01-Feb-2001 A	25-Aug-2001 A	17-Dec-2001 A	$2,555,029	$2,589,403	101.3	$2,562,030 $2,300,062

Status: Approval of model CSA for PPL 5, 6, and 8 projects granted on November 13, 2000. Construction began August 2001 and completed December 2001.

Revised project consisted of constructing a 2,870-foot rock dike across the mouth of the north cove and a 2,820-foot rock dike tying into and extending an existing USFWS rock dike, across the south cove. Approximately 75 acres of brackish marsh will be protected by the project.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		5	75				$2,555,029	$2,589,403	101.3	$2,562,030 $2,300,062

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

Priority List 6

Flexible Dustpan Demo at Head of Passes (DEMO)	DELTA	PLAQ	0	31-May-2002 A	03-Jun-2002 A	21-Jun-2002 A	$1,600,000	$1,909,020	119.3	$1,907,634 $1,894,695

Status: CSA executed May 31, 2002. Construction completed June 21, 2002.

The Dustpan/Cutterhead Marsh Creation Demonstration project as originally approved, no longer involves the use of a cutterhead dredge. At the October 25, 2001 Task Force meeting, it was approved the motion to use the authorized funds for a "flexible dustpan" demonstration project and approved changing the name of the project to "Flexible Dustpan Demo at Head of Passes".

The project was completed as an operations and maintenance task order through an ERDC research and development IDC contract. The project identified some minor areas of concern with regard to the dredge plants effectiveness as a maintenance tool. The dredge was effective in its performance for the beneficial placement of material. The final surveys and quantities have not yet been reported.

Marsh Creation East of the Atchafalaya River-Avoca Island [DEAUTHORIZED]	TERRE	STMRY					$6,438,400	$66,869	1.0	$66,869 $66,869

Status: A draft memorandum dated December 5, 1997 was sent to the Technical Committee Chairman requesting the Task Force to deauthorize the project. COE requested deauthorization at the January 16, 1998 Task Force meeting.

Project deauthorized July 23, 1998.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Marsh Island Hydrologic Restoration	TECHE	IBERI	408	01-Feb-2001 A	25-Jul-2001 A	12-Dec-2001 A	$4,094,900	$5,143,323	125.6 !	$5,094,629 $4,400,145
	Status:	Approval of model CSA for PPL 5, 6 and 8 projects granted on November 13, 2000. CSA executed on February 1, 2001. Advertised as 100% small business set-aside. Construction began July 2001 and completed December 2001. Revised design of closures from earthen to rock because soil borings indicate highly organic material in borrow area.								
Total Priority List	6	408					$12,133,300	$7,119,212	58.7	$7,069,131 $6,361,708

3 Project(s)
2 Cost Sharing Agreements Executed
2 Construction Started
2 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 8

Sabine Refuge Marsh Creation, Cycle 1	CA/SB	CAMER	214	09-Mar-2001 A	15-Aug-2001 A	26-Feb-2002 A	$15,724,965	$3,421,671	21.8	$3,429,942 $3,421,671
	Status:	This project was approved by the Task Force as a part of Priority Project List 8. The project consists of constructing 5 marsh creation sites within the Sabine National Wildlife Refuge using material dredged out of the Calcasieu River Ship Channel. The current estimated project cost to construct all cycles is approximately $21.4 million. The first cycle was completed on February 26, 2002. The total project cost for dredging cycle 1 was $3,412,415. The project was advertised for bid as a component of the Calcasieu River and Pass Maintenance Dredging contract on February 16, 2001. Construction initiation was advanced in conjunction with an accelerated maintenance dredging schedule for the Calcasieu River. On January 28, 2004 the CWPPRA Task Force provided additional funding and construction approval for Cycles 2 and 3. Cycle 2 is currently scheduled to be constructed in 2005. Cycle 3 would be constructed in 2006.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Sabine Refuge Marsh Creation, Cycle 2	CA/SB	CAMER	261	17-Feb-2005 A	28-Apr-2009 A		$9,266,842	$16,583,553	179.0 !	$11,029,675 $10,985,380

Status: This project was approved by the Task Force as a part of Priority Project List 8. The project consists of constructing 5 marsh creation sites within the Sabine National Wildlife Refuge using material dredged out of the Calcasieu River Ship Channel. The current estimated project cost to construct all cycles is approximately $21.4 million.

The first cycle was completed on February 26, 2002. The total project cost for dredging cycle 1 was $3,412,415. The project was advertised for bid as a component of the Calcasieu River and Pass Maintenance Dredging contract on February 16, 2001. Construction initiation was advanced in conjunction with an accelerated maintenance dredging schedule for the Calcasieu River.

On January 28, 2004, the CWPPRA Task Force provided additional funding and construction approval for Cycles 2 and 3. Cycle 2 is currently scheduled to be constructed at the beginning of 2008. Acquisition of the land rights required for the pipeline corridor is underway. The placement of dredged material in Cycle 3 is completed, and upon settlement, the dikes will be degraded to mimic natural hydrologic conditions. Upon completion of Cycle 2, the COE and DNR will ask the Task Force for construction approval for Cycles 4 and 5.

Sabine Refuge Marsh Creation, Cycle 3	CA/SB	CAMER	187	28-Mar-2005 A	25-Oct-2006 A	30-Sep-2010 A	$3,629,333	$4,536,666	125.0	$2,792,962 $2,758,180

Status: This project was approved by the Task Force as a part of Priority Project List 8. The project consists of constructing 5 marsh creation sites within the Sabine National Wildlife Refuge using material dredged out of the Calcasieu River Ship Channel. The current estimated project cost to construct all cycles is approximately $21.4 million. The first cycle was completed on February 26, 2002. The total project cost for dredging cycle 1 was $3,412,415. The project was advertised for bid as a component of the Calcasieu River and Pass Maintenance Dredging contract on February 16, 2001. Construction initiation was advanced in conjunction with an accelerated maintenance dredging schedule for the Calcasieu River. On January 28, 2004, the CWPPRA Task Force provided additional funding and construction approval for Cycles 2 and 3. Construction of Cycle 2 was completed in 2009. Cycle 3 consists of the creation of 232 acres of marsh platform using material dredged from the Calcasieu River Ship Channel. Between February 12 and March 31, 2007, 828,767 cubic yards of dredged sediment material were placed into the Sabine Refuge Cycle 3 marsh creation area. Lower level earthen overflow weirs were constructed to assist in the dewatering of the marsh creation disposal area and to create fringe marsh with the overflow. The dredged slurry was placed between elevations 2.03 NAVD 88 and 2.71 NAVD 88. Construction of low level weirs along north and west boundary of Cycle 3 allowed 10 to 20 percent of the dredged material to splay into the surrounding area. Containment along the South and East border was breached in Fall of 2010 to complete all construction items.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Sabine Refuge Marsh Creation, Cycles 4 and 5	CA/SB	CAMER	331		01-Mar-2012 *		$8,111,705	$7,952,796	98.0	$0 $0

Status: This project was approved by the Task Force as a part of Priority Project List 8. The project consists of constructing 5 marsh creation sites within the Sabine National Wildlife Refuge using material dredged out of the Calcasieu River Ship Channel. The current estimated project cost to construct all cycles is approximately $21.4 million.

The first cycle was completed on February 26, 2002. The total project cost for dredging cycle 1 was $3,412,415. The project was advertised for bid as a component of the Calcasieu River and Pass Maintenance Dredging contract on February 16, 2001. Construction initiation was advanced in conjunction with an accelerated maintenance dredging schedule for the Calcasieu River.

On January 28, 2004, the CWPPRA Task Force provided additional funding and construction approval for Cycles 2 and 3. Cycle 2 is scheduled for constructed at the beginning of 2008. Cycle 3 is currently under construction. Upon completion of Cycle 2, the COE and LDNR will ask the Task Force for construction approval for Cycles 4 and 5.

Total Priority List	8	993				$36,732,845	$32,494,686	88.5	$17,252,579 $17,165,230

4 Project(s)
3 Cost Sharing Agreements Executed
3 Construction Started
2 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 9

Freshwater Bayou Bank Stabilization - Belle Isle Canal to Lock	TECHE	VERMI	241				$1,498,967	$1,498,967	100.0	$1,101,738 $1,101,738

Status: A site visit was held in January 2001 with the Local Sponsor and landowner. Right of entry for surveys and borings was obtained March 14, 2001, and data collection followed. The USACE team met with LDNR staff after survey data was processed and obtained consensus on cross-sections and depth contours. A 30% design review was held in June 2002. The project was revised to include Area A - shoreline protection work only dropping a hydrologic restoration feature. A 95% design review was completed in January 2004. Phase II authorization will be sought again in January 2007.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Opportunistic Use of the Bonnet Carre Spillway [DEAUTHORIZED]	PONT	STCHA					$150,706	$188,383	125.0 !	$83,932 $83,932
	Status:	At the June 27, 2007 CWPPRA Task Force meeting, the Task Force voted to begin the deauthorization process for this project. In accordance with the CWPPRA Project Standard Operating Procedures Manual, notices were sent out in July 2007 to all interested parties requesting their comments and advising them that, at the next CWPPRA Task Force meeting (currently scheduled for October 25, 2007), a final decision on deauthorization will be made.								
Periodic Intro of Sediment and Nutrients at Selected Diversion Sites Demo (DEMO) [DEAUTHORIZED]	COAST	VARY					$1,502,817	$83,556	5.6	$83,556 $83,556
	Status:	In August 2005, project was stalled due to Katrina workload. In November 2006 team began coordinating with 4th Supplemental project, Modification to Caenarvon, to ensure consistency. Currently the team needs to fully develop Preliminary Design Report. Team is working on updating costs to reflect post-Katrina price levels. Also, the team is working on developing benefits of a thin layer of sediment versus marsh creation.								
Weeks Bay MC and SP/Commercial Canal/Freshwater Redirection	TECHE	IBERI	278				$1,229,337	$1,229,337	100.0	$534,057 $534,057
	Status:	An alternatives analysis performed by SHAW corp was submitted to the Technical Committee in September 2011. Further review of the alternatives analysis and recommended alternative was conducted by USACE and CPRA. Upon further review, the project was deemed infeasible for construction and recommended for deauthorization at the December 2011 Technical Committee meeting. A Task Force decision to postpone deauthorization remains current status of project.								
Total Priority List		9	519				$4,381,827	$3,000,243	68.5	$1,803,283 $1,803,283

4 Project(s)
0 Cost Sharing Agreements Executed
0 Construction Started
0 Construction Completed
2 Project(s) Deferred/Deauthorized

Priority List 10

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	SCHEDULES CSA	SCHEDULES Const Start	SCHEDULES Const End	ESTIMATES Baseline	ESTIMATES Current	ESTIMATES %	Actual Obligations/ Expenditures
Benneys Bay Diversion	DELTA	PLAQ	5,706				$1,076,328	$1,076,328	100.0	$976,518 $976,518
	Status:	This project was approved for Phase I design on PPL9 in January 1999. The project work plan for Phase I was submitted to the P&E Subcommittee in May 2001. Right of Entry to perform surveys and geotechnical borings was received in August 2001. Site surveys were performed in October 2001 and geotechnical borings were collected in June 2002. A 30% design review was completed in September 2002. At the design review meeting agreement was reached to proceed further with the proposed design except for one feature (SREDs - sediment retention enhancement devices) which were removed at the request of the local sponsor. A Final Design Report has been developed and is being reviewed by the LDNR. A revised WVA and design cost estimate are in preparation for review at the CWPPRA working groups. The project is scheduled to complete all design work in 2006 in preparation for a Phase II funding request.								
Delta Building Diversion at Myrtle Grove [DEAUTHORIZED]	BARA	JEFF					$3,002,114	$3,002,114	100.0	$2,543,325 $2,543,325
	Status:	The proposed NMFS/UNO fisheries modeling effort, and its relationship to required EIS input, has been discussed by the principal agencies involved with this project. The current view within the management team is that additional fisheries data collection and analysis will be required over and above the proposed modeling. At this time, it has been decided to begin assembling an inter-agency EIS team and allow them to outline major data and analytic requirements for the NEPA document. The required NEPA scoping meetings have been held and the scoping document is being compliled. An initial Value Engineering study is scheduled for the week of July 22, 2002. WRDA may fund Phase 2.								
Delta Building Diversion North of Fort St. Philip	BRET	PLAQ	501				$1,155,200	$1,444,000	125.0	$1,178,640 $1,178,640
	Status:	95% desgin review anticipated July 25, 2007.								
Total Priority List		10	6,207				$5,233,642	$5,522,442	105.5	$4,698,483 $4,698,483

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

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Priority List 12										
Avoca Island Diversion and Land Building	TERRE	STMRY	143		15-Oct-2015	15-Jul-2016	$2,229,876	$2,229,876	100.0	$1,716,949 $1,716,949
Status: This project was approved for Phase I design on PPL12 in January 2003. A kickoff meeting and site visit were held in March 2003. The project work plan for Phase I was submitted to the P&E Subcommittee in May 2003. Right of Entry to perform surveys and geotechnical borings was requested in June 2003 and extended in August 2004. Site surveys began in December 2003 and were completed in May 2004. Initial geotechnical field work completed in April 2004. An initial cultural resources and environmental assessment is complete. Field data for hydrologic modeling is complete and model runs have been conducted. A draft Preliminary Design Report was prepared in late 2004 and LDNR (now CPRA) and the Corps (New Orleans District) worked to complete the report, incorporating additional data and analysis. The project design team investigated the addition of a marsh creation component to increase project wetland benefits. Additional surveys and soil borings were collected to refine the proposed designs. A second draft 30% Preliminary Design Report was submitted to CPRA for review on 25 May 2007. On 10 Jul 2007 the Corps met with CPRA to discuss the 25 May 2007 draft 30% Report and CPRA submitted a request for additional information (mostly geotechnical concerns). On 26-27 Feb 2009, a Corps Hydraulics & Hydrology (H&H) rep met with the Corps' ERDC facility in Vicksburg, MS, to discuss the modeling of marsh creation for this project. Results of that meeting have been summarized and are under internal review by the Corps' Eng Div. A copy of the H&H summary was provided to CPRA (formerly identified as LDNR) during a project status meeting in Baton Rouge on 28 Apr 09. The Corps geotechs completed their input to the Preliminary Design Review Report by 30 Jun 2009 and a copy of the geotech report was provided to CPRA on 1 Jul 2009. CPRA and the Corps met in New Orleans on 22 Oct 2009 to discuss project features and to finalize updates of the May 2007 Preliminary Design Report. Per CPRA's request during the Oct 2009 meeting, the Corps provided them a graphics package on 10 Nov 09 and on 19 Nov 09, CPRA provided comments regarding that package for Corps response. The Corps provided their response to the last set of CPRA comments in Dec, 2009. All sections of the Preliminary Design Report are complete save the Hydraulics section. The Corps awaits input from ERDC in Vicksburg, MS. Once the Corps receives ERDC's review comments and completes their final review of the Hydraulics section and also completes the cost estimate update, the latest Preliminary Design Report will be finalized and provided for review to CPRA. Work was suspended on the project due to lack of a Cost Share Agreement between the Corps and CPRA in Dec 2009. Once the CSA issue is resolved & a CSA is signed between the Corps and CPRA, work towards a mutually agreeable final project design can begin again. In addition, the project scope change process can be initiated and the 30% and 95% review dates formalized & enacted, with the intent to request Phase II funding (construction funding) in January 2015.									
Lake Borgne and MRGO Shoreline Protection [DEAUTHORIZED]	PONT	STBER					$1,348,345	$1,098,345	81.5	$1,089,193 $1,089,193
Status: This project was approved for Phase I design on PPL12 in January 2003. A kickoff meeting and site visit were held in April 2003. The project work plan for Phase I was submitted to the P&E Subcommittee in October 2003. Right of Entry to perform surveys and geotechnical borings was requested in June 2003 and received in August 2003. Surveys and geotechnical borings were collected during fall 2003. A preliminary design report was completed in December 2003. A 30% design review was held in August 2004. A 95% design review was held on March 29, 2005. A request for Phase II construction approval from the Task Force is scheduled for January 2007.									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Mississippi River Sediment Trap [DEAUTHORIZED]	DELTA	PLAQ					$1,880,376	$354,791	18.9	$354,791 $354,791
	Status:	This complex project was approved for Phase I design activities in August 2002. A kickoff meeting was held in September 2002. The project work plan is under development pending a plan reformulation meeting with the LA Dept. of Natural Resources and Corps of Engineers design teams.								
South White Lake Shoreline Protection	MERM	VERMI	844	24-Mar-2005 A	01-Nov-2005 A	29-Aug-2006 A	$19,673,929	$10,518,942	53.5	$10,503,524 $10,462,844
	Status:	Due to inclement weather, the annual site inspection is currently in process of being re-scheduled from 20 Mar 2012 to new date.								
Total Priority List		12	987				$25,132,526	$14,201,954	56.5	$13,664,455 $13,623,776

4 Project(s)
1 Cost Sharing Agreements Executed
1 Construction Started
1 Construction Completed
2 Project(s) Deferred/Deauthorized

Priority List 13

Shoreline Protection Foundation Improvements Demonstration (DEMO)	COAST	COAST	0	24-Mar-2005 A	01-Nov-2005 A	29-Aug-2006 A	$1,000,000	$1,055,000	105.5	$691,475 $691,471
	Status:	Last data collection occurred in October, 2010. Demo analysis report is tentatively scheduled for completion by 31 Jul 2012.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Spanish Pass Diversion	DELTA	PLAQ	433		01-Oct-2015	01-Oct-2016	$1,137,344	$1,421,680	125.0	$310,152 $310,152
Status: The Task Force gave Phase 1 approval on January 28, 2004. The project delivery team has been assembled. A kickoff meeting and field trip were held on March 29, 2004. The work plan was developed and submitted to the P&E Subcommittee prior to April 30, 2004. The project delivery team has obtained rights of entry to install gages and conduct surveys in the project area. Gages were installed on November 18, 2004 and the survey work is completed. Hydraulic modeling work was completed and a Dec 2006 progress report revealed that the project as proposed would not attain originally anticipated wetland benefits. The New Orleans District Corps of Engineers (MVN) met with Parish officials and LDNR on 1 May 07. MVN later met with Plaquemines Parish on 19 Sep 2007, and again on 28 Feb 08, to discuss future direction for this project. Efforts addressing the Cost Share Agreement (CSA) issue are ongoing between CPRA (formerly identified as LDNR) and the New Orleans District COE; resolution of the CSA issue will enable further progress such as development of various alternatives to revise the project scope in conjunction with Plaquemines Parish officials and CPRA.									
Total Priority List		13	433				$2,137,344	$2,476,680	115.9	$1,001,627 $1,001,623

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

Priority List 16

PROJECT	BASIN	PARISH	ACRES	CSA	Const Start	Const End	Baseline	Current	%	Actual Obligations/ Expenditures
Southwest LA Gulf Shoreline Nourishment and Protection	MERM	CAMER	888		02-Jul-2015	08-Jul-2016	$1,266,842	$1,266,842	100.0	$10,155 $10,155
Status: This project was approved for Phase 1 design in Oct 2006. The COE internal project delivery team (PDT) has been assembled. Upon attainment of a Cost Share Agreement with CPRA, a Phase 1 work plan will be developed and a kickoff meeting/site visit scheduled. In Mar 2009, a project Fact Sheet and map was approved by the New Orleans District for placement on the LaCoast website. Efforts addressing the Cost Share Agreemment issue are ongoing between the CPRA and the COE; the project is unable to be further developed until the CSA issue is resolved.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE ARMY (COE)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
	Total Priority List	16	888				$1,266,842	$1,266,842	100.0	$10,155 $10,155

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

Total	**DEPT. OF THE ARMY, CORPS OF ENGINEERS**		**24,286**				**$119,439,684**	**$120,948,888**	**101.3**	**$99,478,295** **$96,360,780**

34 Project(s)
18 Cost Sharing Agreements Executed
17 Construction Started
16 Construction Completed
9 Project(s) Deferred/Deauthorized

Notes:

1. Expenditures based on Corps of Engineers financial data.
2. Date codes: A = Actual date * = Behind schedule
3. Percent codes: ! = 125% of baseline estimate exceeded

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lead Agency: ENVIRONMENTAL PROTECTION AGENCY, REGION 6										
Priority List Conservation Plan										
State of Louisiana Wetlands Conservation Plan	COAST	COAST		13-Jun-1995 A	03-Jul-1995 A	21-Nov-1997 A	$238,871	$191,807	80.3	$143,855 $143,855
Status: The date the MIPR was issued to obligate the Federal funds for the development of the plan is used as the construction start date for reporting purposes. Complete.										
Total Priority List Cons Plan							$238,871	$191,807	80.3	$143,855 $143,855

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

Priority List 1

Isles Dernieres Restoration East Island	TERRE	TERRE	9	17-Apr-1993 A	16-Jan-1998 A	15-Jun-1999 A	$6,345,468	$8,762,416	138.1 !	$7,400,723 $7,272,172
Status: This phase of the Isles Dernieres restoration project was combined with Isles Dernieres, Phase I (Trinity Island), a priority list 2 project. Additional funds to cover the increased construction cost on lowest bid received were approved at the January 16, 1998 Task Force meeting. Construction start was January 16, 1998. Hydraulic dredging was completed September 1998. Vegetation planting was completed June 1999.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		1	9				$6,345,468	$8,762,416	138.1	$7,400,723 $7,272,172

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

Priority List 2

Isles Dernieres Restoration Trinity Island	TERRE	TERRE	109	17-Apr-1993 A	27-Jan-1998 A	15-Jun-1999 A	$6,907,897	$10,774,974	156.0 !	$9,092,416 $9,052,759

Status: Costs increased due to construction bids significantly greater than projected in plans and specifications. Additional funds to cover the increased project construction/dredging cost were approved at the January 16, 1998 Task Force meeting.

The 30' hydraulic dredge, the Tom James, mobilized at East Island on about January 27, 1998. Dredging was completed in September 1998. Vegetation plantings was completed June 1999.

Total Priority List		2	109				$6,907,897	$10,774,974	156.0	$9,092,416 $9,052,759

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

Priority List 3

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Red Mud Demo (DEMO) [DEAUTHORIZED]	PONT	STJON		03-Nov-1994 A			$350,000	$470,500	134.4 !	$368,406 $368,406
Status: Facility construction is essentially complete; project was put on hold pending resolution of cell contamination by saltwater before planting occurred and has subsequently been deauthorized. Demonstration cells completed; no vegetation installed. The Task Force approved the deauthorization of the project on August 7, 2001. Escrowed funds will be returned to Kaiser Aluminum and Chemical Corp.										
Whiskey Island Restoration	TERRE	TERRE	1,239	06-Apr-1995 A	13-Feb-1998 A	15-Jun-2000 A	$4,844,274	$7,106,586	146.7 !	$6,004,393 $5,907,089
Status: At the January 16, 1998 meeting, the Task Force approved additional funds to cover the increased construction cost on lowest bid received. Work was initiated on February 13, 1998. Dredging completed July 1998. Initial vegetation with spartina on bay shore, July 1998. Additional vegetation seeding/planting was carried out in spring 2000.										
Total Priority List		3	1,239				$5,194,274	$7,577,086	145.9	$6,372,799 $6,275,496

2 Project(s)
2 Cost Sharing Agreements Executed
1 Construction Started
1 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 4

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Compost Demonstration (DEMO) [DEAUTHORIZED]	CA/SB	CAMER		22-Jul-1996 A			$370,594	$246,900	66.6	$205,992 $205,992

Status: Plans and specifications have been finalized. All permits and construction approvals have been obtained.

The amount of compost vegetation needed has not yet been supplied. A smaller sized demonstration has been designed. Advertisement for construction bids has been made.

The Task Force approved deauthorization on January 16, 2002.

Total Priority List	4						$370,594	$246,900	66.6	$205,992 $205,992

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

Priority List 5

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Bayou Lafourche Siphon [DEAUTHORIZED]	TERRE	IBERV		19-Feb-1997 A			$24,487,337	$1,500,000	6.1	$1,432,041 $1,432,041

Status: Priority List 5 authorized funding in the amount of $1,000,000 for the FY 96 Phase 1 of this project. Priority List 6 authorized $8,000,000 for the FY 97 Phase 2 of this project. In FY 98, Priority List 7 authorized $7,987,000, for a project estimate of $16,987,000. At the January 20, 1999 Task Force meeting for approval of Priority List 8, $7,500,000 completed funding for the project, for a total of $24,487,337. EPA motioned to allow $16,095,883 from project funds be delayed and put to immediate use on PPL 8. The public has been involved in development of the scope of the evaluation phase. EPA proposes an alternative approach for siphoning and pumping 1,000 cfs year-round (versus the 2,000 cfs siphon only at high river times). Addition of pumps increases the estimated cost. Additional engineering is projected to be completed in 2000.

The Cost Sharing Agreement (CSA) was executed February 19, 1997. Preliminary draft report was distributed to Technical Committee members in October 1998. Additional hydrologic work by the U.S. Geological Survey and the COE. Additional geotechnical analysis has been conducted. Review has been conducted of technical reports and estimated costs is in progress.

At the October 25, 2001 meeting, the Task Force agreed to proceed with Phase 1 Engineering and Design, and approved an estimate of $9,700,000, subject to several stipulations. The State of Louisiana will pay 50 percent of the Phase 1 E&D costs of $9.7 million, as agreed to by the State Wetlands Authority. The allocation of CWPPRA funds for Phase 1 E&D does not commit the Task Force to a specific funding level for project construction. A decision to proceed beyond the 30% design review will be made by the Task Force and the State.

Total Priority List	5					$24,487,337	$1,500,000	6.1	$1,432,041 $1,432,041

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

Priority List 5.1

PROJECT	BASIN	PARISH	ACRES	SCHEDULES CSA	Const Start	Const End	ESTIMATES Baseline	Current	%	Actual Obligations/ Expenditures
Mississippi River Reintroduction into Bayou Lafourche [DEAUTHORIZED]	TERRE	IBERV		23-Jul-2003 A			$9,700,000	$9,700,000	100.0	$3,472,668 $3,432,749
	Status:	The Mississippi River Reintroduction into Bayou Lafourche Project (BA-25b) has been proposed for de-authorization from the CWPPRA program. However, recognizing the importance of this project, the State of Louisiana, through the Louisiana Department of Natural Resources, has committed to developing this project and is continuing final design efforts toward completion beyond its authorization under the CWPPRA program.								
Total Priority List		5.1					$9,700,000	$9,700,000	100.0	$3,472,668 $3,432,749

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

Priority List 6

Bayou Boeuf Pump Station [DEAUTHORIZED]	TERRE	STMAR					$150,000	$3,452	2.3	$3,452 $3,452
	Status:	This was a 3-phased project. Priority List 6 authorized funding of $150,000; Priority List 7 was scheduled to fund $250,000; and Priority List 8 was scheduled to fund $100,000. Total project cost was estimated to be $500,000. By letter dated November 18, 1997, EPA notified the Technical Committee that they and LA DNR agree to deauthorize the project. Deauthorization was approved at the July 23, 1998 Task Force meeting.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List	6						$150,000	$3,452	2.3	$3,452 $3,452

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

Priority List 9

LA Highway 1 Marsh Creation [DEAUTHORIZED]	BARA	LAFOU		05-Oct-2000 A			$1,151,484	$250,257	21.7	$250,257 $250,257
	Status: The project was deauthorized at the February 17, 2005 Task Force meeting.									
New Cut Dune and Marsh Restoration	TERRE	TERRE	102	01-Sep-2000 A	01-Oct-2006 A	30-Sep-2008 A	$7,393,626	$13,111,795	177.3 !	$10,256,671 $9,974,554
	Status: Lessoned learned meeting was held on April 23, 2008. LDNR grant for Phase II construction activities was closed-out on September 30, 2008. Remaining Phase II increment activities included on-going annual inspections.									
Timbalier Island Dune and Marsh Restoration	TERRE	TERRE	273	05-Oct-2000 A	01-Jun-2004 A	19-Mar-2009 A	$16,234,679	$16,662,199	102.6	$13,460,849 $13,457,551
	Status: Lessoned learned meeting was held on April 23, 2008. LDNR grant for Phase II construction activities was closed-out on March 19, 2009. Remaining Phase II increment activities included on-going annual inspections.									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		9	375				$24,779,789	$30,024,251	121.2	$23,967,777 $23,682,362

3 Project(s)
3 Cost Sharing Agreements Executed
2 Construction Started
2 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 10

Lake Borgne Shoreline Protection	PONT	STBER	165	02-Oct-2001 A	01-Aug-2007 A	12-Apr-2010 A	$18,378,900	$28,548,045	155.3 !	$24,214,262 $17,202,448
	Status: Construction Completion Report dated April 12, 2010. Close out of Phase 1 to be completed upon on finalization of OM&M Plan which is contingent upon finalization of O&M Maintenance Lift plans.									
Small Freshwater Diversion to the Northwestern Barataria Basin	BARA	STJAM	941	08-Oct-2001 A	01-May-2014	13-May-2015	$1,899,834	$2,362,687	124.4	$2,017,536 $674,041
	Status: Letter report received from swamp ecologist, qualitatively describing some of the ecological tradeoffs of the proposed project vs a possible focus on hydrologic restoration only. A revised cost estimate was developed for the new conceptual diversion. We are currently deliberating over the results, but are looking carefully at a possible future scope change request to focus on the hydrologic restoration components of the approved Phase 1 project.									
Total Priority List		10	1,106				$20,278,734	$30,910,732	152.4	$26,231,798 $17,876,489

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

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Priority List 11										
River Reintroduction into Maurepas Swamp	PONT	STJON	5,438	04-Apr-2002 A	01-Feb-2014	01-Feb-2017	$5,434,288	$6,780,307	124.8	$5,883,965 $5,199,163
Status: Responses to comments on 30% Design were submitted to the agencies who commented. Coordination with COE on design details related to comments is ongoing. Design is ongoing. The Gap analysis has been completed by COE. 95% design is currently expected to be complete by 10/01/2012.										
Ship Shoal: Whiskey West Flank Restoration	TERRE	TERRE	195	17-Mar-2003 A	15-Jan-2014	01-Oct-2014	$2,998,960	$3,742,053	124.8	$3,289,115 $1,972,900
Status: The project area was re-surveyed by OCPR in the fall of 2009 to verify the fill quantities. The estimated quantities were approximately 100,000 cubic yards less than the original design template indicating the design is still viable.										
Total Priority List	11		5,633				$8,433,248	$10,522,360	124.8	$9,173,081 $7,172,063

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

Priority List 12										
Bayou Dupont Sediment Delivery System	BARA	PLAQ	326	21-Mar-2004 A	04-Feb-2009 A	30-Jun-2012	$28,342,879	$27,050,484	95.4	$22,876,868 $18,472,624
Status: Contractor Notice-to-Proceed was issued on February 4, 2009 and survey work at the project started on April 2, 2009. Containment dikes for the project have been completed and assembly of the sediment delivery pipeline is near completion. Jack and bore activities started on August 24, 2009, and dredging activities are scheduled to begin on or about September 4, 2009.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		12	326				$28,342,879	$27,050,484	95.4	$22,876,868 $18,472,624

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

Priority List 13

Whiskey Island Back Barrier Marsh Creation	TERRE	TERRE	272	29-Sep-2004 A	11-Feb-2009 A	30-Nov-2012	$27,453,090	$30,138,970	109.8	$24,836,236 $21,132,165

Status: Additional planting conducted Fall 2011, however, success of planting to determine final close-out of construction activity. Final assessement of vegetation success to be made after a complete vegetative growing season.

Total Priority List		13	272				$27,453,090	$30,138,970	109.8	$24,836,236 $21,132,165

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

Priority List 15

Bayou Lamoque Freshwater Diversion [TRANSFER]	BRET	PLAQ					$1,205,354	$9,510	0.8	$9,510 $9,510

Status: The project received Phase I approval from the Task Force on Priority Project List 15 in February 2006. The Corps of Engineers, the Environmental Protection Agency, and the LA Department of Natural Resources are currently developing a work plan of Phase I activities.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Venice Ponds Marsh Creation and Crevasses	DELTA	PLAQ	318	19-Jun-2009 A	01-Sep-2013	01-Sep-2014	$1,074,522	$1,074,522	100.0	$913,338 $434,319
	Status: EPA awaiting transfer of funds from COE; completion of EPA-OCPR CA pending transfer of funds from COE to EPA									
Total Priority List		15	318				$2,279,876	$1,084,032	47.5	$922,848 $443,828

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

Priority List 16

Enhancement of Barrier Island Vegetation Demo [DEMO]	COAST	COAST	0	27-Jul-2007 A	14-Jun-2010 A	31-Dec-2010 A	$919,599	$919,599	100.0	$789,983 $239,345
	Status: All experiments are complete. Results are being analyzed, and a final report is due soon.									
Total Priority List		16	0				$919,599	$919,599	100.0	$789,983 $239,345

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

Priority List 17

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Bohemia Mississippi River Reintroduction	BRET	PLAQ	637	16-Jul-2008 A	01-Jun-2014	01-Jun-2015	$1,359,699	$1,359,699	100.0	$1,210,881 $176,386
	Status:	Geotech has been mostly completed. Model runs have been initiated. NEPA analysis has begun. 30% E&D review is scheduled for November 2011.								
Total Priority List		17	637				$1,359,699	$1,359,699	100.0	$1,210,881 $176,386

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

Priority List 18

Bertrandville Siphon	BRET	PLAQ	1,613	15-Jun-2011 A	01-Jun-2015	01-Jun-2016	$2,129,816	$2,129,816	100.0	$1,810,594 $40,528
	Status:	The Louisiana Office of Coastal Protection and Restoration submitted their grant application for Phase I Engineering and Design on July 22, 2009 for a total amount of $1,778,162.								
Total Priority List		18	1,613				$2,129,816	$2,129,816	100.0	$1,810,594 $40,528

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

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: ENVIRONMENTAL PROTECTION AGENCY (EPA)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total ENVIRONMENTAL PROTECTION AGENCY, REGION 6			11,637				$169,371,171	$172,896,577	102.1	$139,944,014 $117,054,305

22 Project(s)
20 Cost Sharing Agreements Executed
9 Construction Started
7 Construction Completed
7 Project(s) Deferred/Deauthorized

Notes:

1. Expenditures based on Corps of Engineers financial data.
2. Date codes: A = Actual date * = Behind schedule
3. Percent codes: ! = 125% of baseline estimate exceeded

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lead Agency: DEPT. OF THE INTERIOR, FISH & WILDLIFE SERVICE										
Priority List 1										
Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 1	PONT	ORL	1,550	17-Apr-1993 A	01-Jun-1995 A	30-May-1996 A	$1,657,708	$1,680,193	101.4	$1,671,301 $1,392,073
Status:	Construction was completed in May 1996. The Operation and Maintenance Plan was approved in October 2004. The FWS is the lead O&M agency for this project in coordination with the State Coastal Protection and Restoration Authority (CPRA). The Corps of Engineers removed the two 30-inch diameter CWPPRA-constructed pumping stations in 2010 and replaced them in December 2011. This was done because larger pumps were needed to accommodate the larger hurricane protection levees modified in 2011.									
Cameron Creole Plugs	CA/SB	CAMER	865	17-Apr-1993 A	01-Oct-1996 A	28-Jan-1997 A	$660,460	$1,145,161	173.4 !	$1,169,234 $1,073,949
Status:	The Cameron-Creole Plugs project was constructed on February 1, 1997. The Fish and Wildlife Service and the State Coastal Protection and Restoration Authority (CPRA) finalized an Operation and Maintenance Plan in 2002. The CPRA will be responsible for project maintenance.									
Cameron Prairie National Wildlife Refuge Shoreline Protection	MERM	CAMER	247	17-Apr-1993 A	19-May-1994 A	09-Aug-1994 A	$1,177,668	$1,227,123	104.2	$1,202,176 $1,051,085
Status:	The Fish and Wildlife Service and the LA Coastal Protection and Restoration Authority(CPRA) revised the Operation and Maintenance Plan in 2003. The State CPRA is responsible for project maintenance, however to date no maintenance with the exception of maintaining warning signs has been needed. The project is nearing its 20-year life which ends in 2014.									
Sabine National Wildlife Refuge Erosion Protection	CA/SB	CAMER	5,542	17-Apr-1993 A	24-Oct-1994 A	01-Mar-1995 A	$4,895,780	$1,602,656	32.7	$1,555,390 $1,309,987
Status:	The Fish and Wildlife Service and the LA Dept.of Natural Resources are finalizing a draft Operation and Maintenance Plan. The LDNR will be responsible for project maintenance									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		1	8,204				$8,391,616	$5,655,133	67.4	$5,598,100 $4,827,094

4 Project(s)
4 Cost Sharing Agreements Executed
4 Construction Started
4 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 2

Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 2	PONT	ORL	1,280	30-Jun-1994 A	15-Apr-1996 A	28-May-1997 A	$1,452,035	$1,692,552	116.6	$1,617,803 $1,441,639

Status: Construction was completed on March 18, 1997 and accepted at a final inspection on May 28, 1997. The Operation and Maintenance Plan was approved in October 2004. The FWS is the lead O&M agency for this project.
The Corps of Engineers removed the two 33-inch diameter CWPPRA-constructed pumping stations in 2010 and replaced them in December 2011. This was done because larger pumps were needed to accommodate the larger hurricane protection levees modified in 2011.

Total Priority List		2	1,280				$1,452,035	$1,692,552	116.6	$1,617,803 $1,441,639

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

Priority List 3

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT
Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Sabine Refuge Structure Replacement (Hog Island)	CA/SB	CAMER	953	26-Oct-1996 A	01-Nov-1999 A	10-Sep-2003 A	$4,581,454	$5,563,258	121.4	$5,536,991 $4,181,571

Status: Sabine Refuge Structure Replacement Project

Status January 2008

Construction began the week of November 1, 1999, dedicated in December 2000, and completed June 2001. The structures were installed and semi-operational by the following dates: Headquarters Canal structure - February 9, 2000; Hog Island Gully structure - August 2000; and the West Cove structure - June 2001.

Initially electrical problems were caused because the 3-Phase electrical service to the structures was not the proper 3-Phase. Transformers and filters were added to the structures in December 2001. Problems continued with motors running in reverse until 2002. The structures continued to operate incorrectly in the automatic mode because the correct "3-Phase" electricity was not available.

Rotary phase converters, installed in September 2003, eliminated motor reversal and other problems for an estimated cost of $20,000 for the Hog Island Gully and West Cove structure sites.

Continued Problems at the Hog Island Gully Structure during 2004

All structures, except for one bay of the Hog Island Gully structure, were fully operational until late October 2004. But since that time, both the Hog Island Gully and the West Cove structures have been having operation problems.

The Monitoring Plan was approved on June 17, 1999.

The Operation and Maintenance Plan was approved by the FWS and DNR in June 23, 2004. The Service will be responsible for all structure operations and minor maintenance and DNR will be responsible for the larger maintenance items.

Current Structure Operations and Repair Post Hurricane Rita

Hurricane Rita in October 2005 overtopped the structures and damaged the electric motors, guard rails and other equipment. The structures have been operated in the partially open mode until repairs can be made. Some FEMA funds have been received by DNR for repair of Hurricane Rita damage. Other funds from the Fish and Wildlife Service are also being used for structure repair and upgrade. Repair and upgrading is currently in contracting with the TVA handling contract administration for the Service.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		3	953				$4,581,454	$5,563,258	121.4	$5,536,991 $4,181,571

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

Priority List 5

Grand Bayou Hydrologic Restoration [DEAUTHORIZED]	TERRE	LAFOU		28-May-2004 A			$5,135,468	$1,452,357	28.3	$1,452,357 $1,452,357

Status: Based on hydrologic modeling results, the project would result in net salinity increases rather than decreases. Staff of the Pointe au Chene Wildlife Management Area, DNR, and USFWS have agreed to begin pursuing project de-authoriztion.

Total Priority List		5					$5,135,468	$1,452,357	28.3	$1,452,357 $1,452,357

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

Priority List 6

Lake Boudreaux Freshwater Introduction	TERRE	TERRE	266	22-Oct-1998 A	01-Jun-2013	01-Oct-2014	$9,831,306	$20,048,152	203.9 !	$3,019,539 $2,775,850

Status: Landrights work is scheduled for completion in Oct. 2012. Pre-application meeting and field trip have been completed and work is beginning on addressing comments raised.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Nutria Harvest for Wetland Restoration (DEMO)	COAST	COAST	0	27-Oct-1998 A	20-Sep-1998 A	30-Oct-2003 A	$2,140,000	$806,220	37.7	$806,220 $806,220
	Status:									
	Nutria Harvest Demonstration Project Status July 2005 From April through June 2003 the following activities were completed: Promotional Events: 1) Chef Parola demonstrated nutria meat preparation and organized judging for the U. S. Army Corps of Engineers annual “Earth Day Celebration” in New Orleans, 2) LDWF assisted Chef Kevin Diez by providing nutria meat for the Baton Rouge Family Fun Fair, and 3) LDWF provided nutria sausage to the Opelousas Chamber of Commerce for a national cycling event. LDWF contracted with Firefly Digital to upgrade the Nutria Website “www.nutria.com” to be completed in September 2003. The upgrade will provide easier site navigational access and more accurate and rapid user information. This project was completed in October 2003. The project sponsors have completed project close-out activities.									
Total Priority List		6	266				$11,971,306	$20,854,372	174.2	$3,825,759 $3,582,070

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

Priority List 9

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Freshwater Introduction South of Highway 82	MERM	CAMER	296	12-Sep-2000 A	01-Sep-2005 A	13-Dec-2006 A	$6,051,325	$5,157,843	85.2	$5,084,720 $5,014,655

Status:

Highway 82 Freshwater Introduction

Status July 2005

The project was approved for Phase I engineering and design on January 11, 2000. An initial implementation meeting was held in April 2000; field trips were held in May and June 2000. The FWS/DNR Cost Share Agreement was signed on September 12, 2000. Elevational surveys of marsh levels and existing water monitoring stations and control points were completed by Lonnie Harper and Associates on October 26, 2000.

A hydrologic study of the project area entitled, “Analysis of Water Level Data from Rockefeller Refuge and the Grand and White Lakes Basin” was submitted by Erick Swenson (LSU Coastal Ecology Institute) in October 2001. That report concluded that a “precipitation-induced” water level gradient (0.6 feet or greater 50% of the time) existed between marshes north of Highway 82 and the target marshes in the Rockefeller Refuge south of that highway. That gradient was 1.5 feet or greater 30% of the time. Marsh levels varied from 1.0 to 1.2 feet NAVD88 north and to 1.0 to 1.4 feet NAVD88 south of Highway 82. The project hydrology ahs been modeled by Fenstermaker and Associates as described below.

Hydrodynamic Modeling Study

Fenstermaker and Associates began a hydrodynamic modeling study of the project on January 28, 2002. A model set-up interagency meeting was held May 24, 2002. The one-dimensional "Mike 11" model was used for the analysis. Model calibration and verification were completed November 21, 2002, and December 12, 2002 respectively. A draft modeling report was presented in April 2003, and a final report was presented in September 2003.

Model Results

The model indicated that the project, with a number of original features removed or reduced, would significantly flow freshwater south of Hwy 82 to reduce salinities in the project area. The model results suggested the following modifications to the conceptual project; 1) removal of the Boundary Line borrow canal plug, 2) removal of the northeastern north-south canal, 3) removal of 2 of the recommended four 3-48 inch-diameter-culverted structures along the boundary canal, 4) relocate the new Dyson structure to the north, and 5) removal of the Big Constance structure modification feature. The incorporation of these recommendations would significantly reduce project costs.

30% Design Review Meeting

A favorable 30% Design Review meeting was held on May 14, 2003 with USFWS concurrence to proceed to final design. On July 10, 2003 the LA Department of Natural Resources gave concurrence to proceed with project construction.

NEPA Review

PROJECT	BASIN	PARISH	ACRES	SCHEDULES CSA	SCHEDULES Const Start	SCHEDULES Const End	ESTIMATES Baseline	ESTIMATES Current	ESTIMATES %	Actual Obligations/ Expenditures
				The Corps and LA Dept of Natural Resources permit and consistency applications were submitted on January 30, 2004. DNR's initial and modified Consistency Determinations were received on March 11, 2004, and June 3, 2004 respectively. The modified Corps permit applications were submitted May 27, 2004. The Corps public notices were issued on June 18, 2004. LA Dept. of Transportation letters of no objection were received on October 2, 2003, February 2, 2004, and April 19, 2004. The Corps Section 404 permits were received on March 10 and March 18, 2005. The draft Environmental Assessment was submitted for agency review on September 10, 2004, and the Final Environmental Assessment and Finding of No Significant Impact was distributed on April 12, 2005. Phase II Construction Items A successful 95% Design Review Meeting was held on August 11, 2004. The NRCS Overgrazing Determination was received December 1, 2003. The Corps Section 303(e) Determination received from the Corps on May 6, 2004. Landrights were certified by the LA DNR as completed on May 10, 2004. Phase II construction funding approval was received at the October 2004 Task Force meeting. Construction bids were received by June 21, 2005. Construction is anticipated to begin by July 15, 2005.					
Mandalay Bank Protection Demonstration (DEMO)	TERRE	TERRE	0	06-Dec-2000 A	25-Apr-2003 A	01-Sep-2003 A	$1,194,495	$1,732,498	145.0 !	$1,746,660 $1,732,498
	Status:	Construction was completed 9/1/2003.								
Total Priority List		9	296				$7,245,820	$6,890,341	95.1	$6,831,380 $6,747,153

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

Priority List 10

Delta Management at Fort St. Philip	BRET	PLAQ	267	16-May-2001 A	19-Jun-2006 A	14-Dec-2006 A	$3,183,940	$2,150,263	67.5	$2,014,481 $1,612,566
	Status:	Inspections in 2010 and 2011 indicate that the project is functioning as intended. An inspection is scheduled for Spring 2012.								

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
East Sabine Lake Hydrologic Restoration	CA/SB	CAMER	225	17-Jul-2001 A	01-Dec-2004 A	11-Aug-2009 A	$6,490,751	$5,087,902	78.4	$4,847,754 $4,631,178

Status:

East Sabine Lake Hydrologic Restoration Project

Status January 2008

A joint FWS- NRCS-DNR cost-share agreement was completed on July 17, 2001. Phase I E&D funding and Phase II construction funding were approved by the Task Force on January 10, 2001, and November 2003 respectively.

Hydrodynamic Modeling Study

FTN completed hydrodynamic modeling for the proposed water control structures at Right Prong, Greens, Three and Willow Bayous. Phase I hydrodynamic modeling consisted of reconnaissance, data acquisition, model selection, and model geometry establishment. Nine data recorders were deployed for a 16-month period (February 2002 to June 2003) for modeling purposes. Surveys were completed by May 2002.
The "East Sabine Lake Hydrologic Restoration Hydrodynamic Modeling Study Phase II: Calibration and Verification Report," "Historical Data Review Modeling Phase III Data and Final Report," and the "Phase III Determination of Boundary Conditions for Evaluating Project Alternatives" were completed October 5, 2004. With-project model runs that included modeling of fixed crest weirs with boat bays (10 feet wide by 4 feet deep) at Willow, Three, Greens and Right Prong Black Bayous were completed.

Hydrodynamic modeling results predicted that the proposed structures would have very little effects in reducing project area salinities.

Construction

The construction contract was awarded in December 2004, and the first portion of Construction Unit 1 was completed in October 2006. The following project features have been constructed: 1) Pines Ridge Bayou weir, 2) Bridge Bayou culverts, 3) 171,000 linear feet of earthen terraces in the Greens Lake area, 4) 3,000 linear feet of rock breakwater, with 50-foot wide gaps, at the eastern Sabine Lake shoreline beginning at Willow Bayou, and, 5) a rock weir in SE Section 16.

Project Modifications

11 miles (58,100 linear feet) of planned Sabine Lake shoreline plantings were removed and more earthen terraces were added using vegetative planting funds because of an unsuccessful 7,500 linear foot test planting along the Sabine Lake shoreline conducted by the State Soil and Water Conservation District and the NRCS.

The CWPPRA Task Force approved adding 50,000 linear feet of terraces, constructing 4, 50-foot-wide gaps in the rock breakwater, and deleting Construction Unit 2 components in October 2006. Discontinuing further CU 2 design was based on recent hydrodynamic modeling results, an examination of historic salinity data, and possible structure negative impacts.

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
		Current Construction								
		The Pines Bayou weir was rehabilitated in August 2007 due to heavy damage caused by Hurricane Rita. Four 50-foot wide gaps were also installed in August 2007, in the 3,000 foot-long rock breakwater near Willow Bayou. A contract for 50,000 linear feet of additional earthen terraces was advertised in fall 2007 and the low bidder notified in January 2008. Construction should begin in spring 2008.								
Grand-White Lake Landbridge Restoration	MERM	CAMER	213	24-Jul-2001 A	10-Jul-2003 A	01-Oct-2004 A	$9,635,224	$4,785,626	49.7	$4,591,836 $3,678,728
	Status:									
		Grand-White Lakes Land Bridge Restoration								
		Status July 2005								
		Phase 1 engineering and design funding was approved by the Task Force on January 10, 2001. The LDNR/ USFWS Cost Share Agreement was executed on July 24, 2001. LDNR certified landrights completion on December 12, 2001.								
		Project sponsors received Phase II construction funding approval from the CWPPRA Task Force on August 7, 2002. All of the CWPPRA and NEPA project construction requirements have been completed; 1.) the NRCS Overgrazing Determination (August 30, 2002), 2) LA state Coastal Zone Consistency Determination (September 19, 2002), 3) the LA Department of Environmental Quality Water Quality Certification (October 28, 2002), 4) the Environmental Assessment (November 19, 2002), 5) the Corps' CWPPRA Section 303(e) Determination (December 2002), and 6) the Corps' Section 404 Permit (December 2002). A favorable 95% Design Review Conference was held September 12, 2002.								
		The project construction contract for Construction Unit 1 (Grand Lake rock shoreline stabilization) was awarded in June 2003, the Notice to Proceed was issued on July 10, 2003, and construction for that phase was completed in October 2003. Construction Unit 2 (Collicon Lake Terraces) construction began in early July 2004 and was completed in October 2004. The project ground breaking was held August 15, 2003.								
		Operation and maintenance post construction field trips in February and April 2005 indicated that Construction Unit 1 - the Grand Lake shoreline rock dike and marsh creation is performing well. The rock has not subsided and a small strip of wetland was created between the rock and the shoreline with spoil from access channel dredging. Construction Unit 2 terraces have experienced post construction erosion. The Collicon Lake lake-ward terrace tops have eroded approximately 66% since project construction. Most of the lake-ward planted giant cutgrass vegetation has eroded and a cut bank remains. Most of the inner shoreward terraces are holding up well with giant cutgrass vegetation growing and expanding. Nutria herbivory of the planted vegetation on the northern and northwestern Collicon Lake terraces has been observed.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
North Lake Mechant Landbridge Restoration	TERRE	TERRE	604	16-May-2001 A	01-Apr-2003 A	16-Dec-2009 A	$31,727,917	$37,068,684	116.8	$37,192,543 $35,612,733
	Status:	Construction of this project has been completed. This project is now in the Operation and Maintenance Phase.								
Terrebonne Bay Shore Protection Demonstration (DEMO)	COAST	TERRE	0	24-Jul-2001 A	25-Aug-2007 A	19-Dec-2007 A	$2,006,424	$2,718,818	135.5 !	$2,766,782 $2,438,111
	Status:	Final inspection of this project was completed by FWS and DNR on December 19, 2007 and we could find no apparent problems. Since that date, the landowner has requested additional navigation aids in the form of PVC pipe with reflective tape. This will be done ASAP. I would have to say that this project faced some particularly difficult problems in getting a bid that was within budget (went to bid 4 times right after the hurricanes). DNR/Thibobaux Field Office was up for the job I would like to say that they worked quickly on all aspects of this project. I would like to personally thank them for not giving up on the project and for what I would consider a job very well done.... THANK YOU for a great job.								
Total Priority List	10	1,309					$53,044,256	$51,811,293	97.7	$51,413,396 $47,973,316

5 Project(s)
5 Cost Sharing Agreements Executed
5 Construction Started
5 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 11

Dedicated Dredging on the Barataria Basin Landbridge	BARA	JEFF	242	03-Apr-2002 A	11-Sep-2008 A	15-Apr-2010 A	$17,672,811	$15,796,426	89.4	$16,575,259 $16,536,855
	Status:	The project was inspected during a coastal flight in August 2011. The marsh creation sites are well vegetated with 90-100 percent cover.								

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
South Grand Chenier Hydrologic Restoration	MERM	CAMER	352	03-Apr-2002 A	01-Dec-2013	01-Dec-2014	$2,358,420	$2,358,420	100.0	$1,771,751 $1,697,914

Status: The project was approved for Engineering and Design (E&D) by the CWPPRA Task Force in January 2002. An implementation meeting and field trip was held on March 13, 2002 attended by agencies, landowner representatives, and consulting engineers. The final hydrodynamic modeling report was completed in September 2004. In September 2005, Hurricane Rita heavily impacted area landowners; in March 2006 a modeling results and project feature landowner meeting was held; in December 2006, key landowner approval was received to flow water across Hwy 82 to the project area south of Grand Chenier; in February 2007, we conducted an engineering survey field trip of the project area; and in August 2007 design surveying began.

Surveying was completed by September 2007. A wave analysis model, to determine the effects of the Gulf of Mexico borrow area on the Gulf shoreline, was completed in January 2008. Geotechnical investigations were completed in 2008.

Hydrodynamic Modeling - A modeling and surveying contract was awarded to Fenstermaker and Associates on June 14, 2002. Elevation surveys and the installation of continuous water level and salinity recorders were completed and installed by August 2002. Preliminary and final model “Set Up" meetings were held on June 11, 2003, and August 6, 2003, respectively. Model calibration and validation was completed on September 30, 2003, and September 5, 2004, respectively. The model results indicated that the project would be successful in flowing freshwater across Highway 82, at Grand Chenier, to reduce higher salinities in marshes south of the highway in the Hog Bayou Watershed caused by the Mermentau Ship Channel without impact of creating high water levels. The model indicated that benefit Area A north of Hog Bayou and south of Hwy 82 near Lower Mud Lake would not receive significant salinity lowering benefits possibly due to the Mermentau River "fresher" water source being closer to Lower Mud Lake. The project team decided to remove the Area A features from the project. This would reduce the freshwater introduction component by 126 cfs (50%), leaving 126 cfs to benefit eastern marshes south of the Dr. Miller Canal. The draft and final draft model reports entitled, "Hydrodynamic Modeling of the ME-29 South Grand Chenier Hydrologic Restoration Project" were completed in July 2004 and April 2005 respectfully.

Landrights Landrights meetings were held between project sponsors and the major landowners on October 17, 2002, in New Orleans, on January 16, 2003, at Rockefeller Refuge, and in March 2006, at Cameron Prairie National Wildlife Refuge to present modeling results and project features. Landrights approval for surveying and geotechnical sampling were received in August 2007. Project Schedule Design surveying and geotechnical field work were completed by May 2008, and a geotechnical report completed by July 2008.

The preliminary design (30%) meeting was held on Aug. 6, 2009, and the 95 % Design Review meeting was held November 3, 2009. Phase II construction approval was recommended by the Technical Committee in December 2009 and approved at the January 20, 2010, Task Force meeting.

Due to the inability to receive landrights approvals from two of the seven major landowners, project construction funds were returned to the CWPPRA Program at the January 19, 2012, Task Force meeting, until such a time as landowner approvals are received, after which construction funding would again be requested after revised costs and benefits are determined.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
West Lake Boudreaux Shoreline Protection and Marsh Creation	TERRE	TERRE	277	03-Apr-2002 A	24-Jul-2007 A	04-Apr-2011 A	$17,519,731	$17,949,754	102.5	$17,313,537 $15,886,087
Status: Construction of this project is complete. TE-46 is now in the Operation and Maintenance phase.										
Total Priority List		11	871				$37,550,962	$36,104,600	96.1	$35,660,547 $34,120,857

3 Project(s)
3 Cost Sharing Agreements Executed
2 Construction Started
2 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 13

Goose Point/Point Platte Marsh Creation	PONT	STTAM	436	14-May-2004 A	02-Apr-2008 A	12-Feb-2009 A	$21,067,777	$15,752,049	74.8	$14,210,774 $13,711,052
Status: The project was completed in 2009. Unspent construction funds have been returned to the program.										
Total Priority List		13	436				$21,067,777	$15,752,049	74.8	$14,210,774 $13,711,052

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

Priority List 15

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lake Hermitage Marsh Creation	BARA	PLAQ	447	28-Mar-2006 A	24-Feb-2012 A	30-Nov-2013	$38,040,158	$37,937,871	99.7	$31,965,393 $463,455
	Status: The project was advertised for bids in October 2011. The construction contract was awarded to Pine Bluff Sand and Gravel in January 2012. Construction began in February 2012.									
Total Priority List		15	447				$38,040,158	$37,937,871	99.7	$31,965,393 $463,455

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

Priority List 17

South Lake Lery Shoreline and Marsh Restoration	BRET	MULTI	409	19-Feb-2008 A	01-Oct-2012	31-Jan-2014	$32,466,987	$32,238,260	99.3	$1,742,310 $1,553,017
	Status: In January 2012, this project received Phase II funding to construct the submitted project design without the inclusion of marsh creation Cell 6. Currently the project is awaiting an approved Corps permit and landright agreements.									
Total Priority List		17	409				$32,466,987	$32,238,260	99.3	$1,742,310 $1,553,017

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

Priority List 19

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lost Lake Marsh Creation and Hydrologic Restoration	TERRE	TERRE	749	22-Apr-2010 A	01-Aug-2013	01-Mar-2014	$2,320,214	$2,320,214	100.0	$2,216,955 $361,985
	Status:	The project is currently in engineering and design. A request for Phase 2 funding is planned for January 2013.								
Total Priority List		19	749				$2,320,214	$2,320,214	100.0	$2,216,955 $361,985

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

Priority List 20

Bayou Bonfouca Marsh Creation	PONT	STTAM	424				$2,567,244	$2,567,244	100.0	$42,040 $26,487
	Status:	All geotechnical and bathymetry survey field data have been completed and reports submitted to CPRA. A 30% design conference date has been set for April 25, 2012. Special issues concerning endangered species are undergoing review.								
Cameron-Creole Watershed Grand Bayou Marsh Creation	CA/SB	CAMER	534				$2,376,789	$2,376,789	100.0	$39,224 $17,882
	Status:	Survey work and geotechnical investigations are complete, and prelimianry reports have been submitted to CPRA. A 30% design conference has not been scheduled but is expected sometime in July or August. A meeting is scheduled with the Corps on April 24th to discuss the feasibility of using material dredged from the Calcasieu Ship Channel during a maintenance event.								
Terrebonne Bay Marsh Creation-Nourishment	TERRE	TERRE	353				$2,901,750	$2,901,750	100.0	$41,746 $17,317
	Status:									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		20	1,311				$7,845,783	$7,845,783	100.0	$123,009 $61,687

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

Priority List 21

Northwest Turtle Bay Marsh Creation	BARA	JEFF	407				$2,354,788	$2,354,788	100.0	$1,318,789 $0
	Status:									
Total Priority List		21	407				$2,354,788	$2,354,788	100.0	$1,318,789 $0

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

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (FWS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total DEPT. OF THE INTERIOR, FISH & WILDLIFE SERVICE			16,938				$233,468,624	$228,472,871	97.9	$163,513,563 $120,477,254

27 Project(s)
23 Cost Sharing Agreements Executed
18 Construction Started
17 Construction Completed
1 Project(s) Deferred/Deauthorized

Notes:

1. Expenditures based on Corps of Engineers financial data.
2. Date codes: A = Actual date * = Behind schedule
3. Percent codes: ! = 125% of baseline estimate exceeded

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lead Agency: DEPT. OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE										
Priority List 1										
Fourchon Hydrologic Restoration [DEAUTHORIZED]	TERRE	LAFOU					$252,036	$7,703	3.1	$7,703 $7,703
	Status:	In a meeting on October 7, 1993, Port Fourchon conveyed to NMFS personnel that any additional work in the project area could be conducted by the Port and they did not wish to see the project pursued because they question its benefits and are concerned that undesired Government / general public involvement would result after implementation. Deauthorized.								
Lower Bayou LaCache Hydrologic Restoration [DEAUTHORIZED]	TERRE	TERRE		17-Apr-1993 A			$1,694,739	$99,625	5.9	$99,625 $99,625
	Status:	In a public hearing on September 22, 1993, with landowners in the project area, users strenuously objected to the proposed closure of the two east-west connections between Bayou Petit Caillou and Bayou Terrebonne. NMFS received a letter from LA DNR, dated February 6, 1995, recommending deauthorization of the project. NMFS forwarded the letter to COE for Task Force approval. Deauthorized.								
Total Priority List	1						$1,946,775	$107,328	5.5	$107,328 $107,328

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

Priority List 2

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Atchafalaya Sediment Delivery	ATCH	STMRY	2,232	01-Aug-1994 A	25-Jan-1998 A	21-Mar-1998 A	$907,810	$2,532,147	278.9 !	$2,471,307 $2,118,890
	Status:	Project cost increase was approved by the Task Force at the January 16, 1998 meeting. Construction project complete. First costs accounting underway.								
Big Island Mining	ATCH	STMRY	1,560	01-Aug-1994 A	25-Jan-1998 A	08-Oct-1998 A	$4,136,057	$7,077,404	171.1 !	$7,032,130 $6,709,840
	Status:	Project cost increase was approved by the Task Force at the January 16, 1998 meeting. Construction project complete. First costs accounting underway.								
Point Au Fer Canal Plugs	TERRE	TERRE	375	01-Jan-1994 A	01-Oct-1995 A	08-May-1997 A	$1,069,589	$5,510,570	515.2 !	$5,157,514 $3,132,120
	Status:	Project / Gulf of Mexico shoreline surveys are underway to assist with maintenance recommendations to conduct a rock lift along low areas of PH 2 & 3 and the possible extension of the ends back into the shoreline. This construction activity would likely occur before the Fall of 20112.								
Total Priority List		2	4,167				$6,113,456	$15,120,121	247.3	$14,660,951 $11,960,849

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

Priority List 3

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Bayou Perot/Bayou Rigolettes Marsh Restoration [DEAUTHORIZED]	BARA	JEFF		03-Mar-1995 A			$1,835,047	$20,963	1.1	$20,963 $20,963
	Status:	A feasibility study conducted by LA DNR indicated that possible wetlands benefits from construction of this project are questionable. LA DNR has indicated a willingness to deauthorize the project. In April 1996, LA DNR had asked to reconsider the project with potential of combining this with two other projects in the watershed. Project deauthorized at January 16, 1998 Task Force meeting. Deauthorized.								
East Timbalier Island Sediment Restoration, Phase 1	TERRE	LAFOU	1,913	01-Feb-1995 A	01-May-1999 A	01-May-2001 A	$2,046,971	$3,720,721	181.8 !	$3,713,531 $3,680,798
	Status:	Construction completed in December 1999. Aerial seeding of the dune platform was achieved in spring 2000, and the installation of sand fencing was completed September 30, 2000. Vegetative dune plantings were completed May 1, 2001.								
Lake Chapeau Sediment Input and Hydrologic Restoration	TERRE	TERRE	509	01-Mar-1995 A	14-Sep-1998 A	18-May-1999 A	$4,149,182	$6,788,413	163.6 !	$5,991,565 $5,525,107
	Status:	Maintenance event to degrade the project feature identified as Weir 3 began on 4/27/2011, and the work was accepted on 6/24/2011.								
Lake Salvador Shore Protection Demonstration (DEMO)	BARA	STCHA	0	01-Mar-1995 A	02-Jul-1997 A	30-Jun-1998 A	$1,444,628	$2,801,782	193.9 !	$2,801,782 $2,801,782
	Status:	Phase 1 was completed September 1997. Phase 2 is shoreline protection between Bayou desAllemnands and Lake Salvador. Construction began in April 1998 and completed in June 1998. Final first costs have been finalized. Closed out cooperative agreement between NOAA and LADNR. First costs accounting undersay. Project has served its demonstration purpose and is being removed by DNR with O&M funds, summer of 2002.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		3	2,422				$9,475,828	$13,331,879	140.7	$12,527,841 $12,028,650

4 Project(s)
4 Cost Sharing Agreements Executed
3 Construction Started
3 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 4

East Timbalier Island Sediment Restoration, Phase 2	TERRE	LAFOU	215	08-Jun-1995 A	01-May-1999 A	15-Jan-2000 A	$5,752,404	$7,600,150	132.1 !	$7,589,788 $7,528,146

Status: NOAA and DNR is currently closing out the cooperative agreements for East Tinbalier Island Phase 1 and 2. Considering the damage invoked on the island as a result of Hurricane Lily and Tropical Storm Isadore, future construction will be reassessed pursuant to engineering feasibility and the Phase 2 prioritization process.

Eden Isles East Marsh Restoration [DEAUTHORIZED]	PONT	STTAM					$5,018,968	$39,025	0.8	$39,025 $39,025

Status: NMFS letter of September 8, 1997 requested the CWPPRA Task Force to move forward with deauthorization of this project. Bids were placed twice to acquire the land; both times they were rejected due to higher bids by private developers. Project deauthorized at January 16, 1998 Task Force meeting.

Deauthorized.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		4	215				$10,771,372	$7,639,176	70.9	$7,628,813 $7,567,171

2 Project(s)
1 Cost Sharing Agreements Executed
1 Construction Started
1 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 5

Little Vermilion Bay Sediment Trapping	TECHE	VERMI	441	22-May-1997 A	10-May-1999 A	20-Aug-1999 A	$940,065	$886,030	94.3	$870,414 $703,909

Status: An O&M inspection was conducted by OCPR on 2-22-11. It was reported that the terraces and vegetation appear to be in good condition. Emergent vegetation was noted to be colonizing in some locations between terraces. The Freshwater Bayou canal bank continues to erode and retreat along the northern edge of the project resulting in some erosion on the ends of those terraces closest to Freshwater Bayou. Near term options to address this issue are currently being considered.

Myrtle Grove Siphon [DEAUTHORIZED]	BARA	PLAQ		20-Mar-1997 A			$15,525,950	$481,803	3.1	$481,803 $481,803

Status: The 5th Priority List authorized funding in the amount of $4,500,000 for the FY 96 Phase 1 of this project. Priority List 6 authorized funding in the amount of $6,000,000 for FY 97. Priority List 8 is authorized to fund the remaining $5,000,000. Total project cost is estimated to be $15,525,950.

NOAA and LADNR are closing out the cooperative agreement and returning remaining project funds to the CWPPRA program. Project will remain active as authorized.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		5	441				$16,466,015	$1,367,833	8.3	$1,352,217 $1,185,712

2 Project(s)
2 Cost Sharing Agreements Executed
1 Construction Started
1 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 6

Black Bayou Hydrologic Restoration	CA/SB	CAMER	3,594	28-May-1998 A	01-Jul-2001 A	03-Nov-2003 A	$6,316,806	$6,166,860	97.6	$6,323,159 $5,854,058
	Status:	An O&M inspection is scheduled for 5-04-11.								
Delta Wide Crevasses	DELTA	PLAQ	2,386	28-May-1998 A	21-Jun-1999 A	01-May-2005 A	$5,473,934	$4,728,319	86.4	$4,476,051 $2,055,334
	Status:	High River stages delayed Project O&M annual inspections until July 19. All crevasses were in good shape. Project design team are in discussions with both USFWS and LDWF to identify the new, and final list of crevasse splays for construction (Phase 3 of 3). It is anticipated that the work could be underway by the end of 2012.								
Sediment Trapping at The Jaws	TECHE	STMAR	1,999	28-May-1998 A	14-Jul-2004 A	19-May-2005 A	$3,167,400	$1,653,792	52.2	$1,638,352 $1,370,822
	Status:	An O&M inspection was conducted on 4-05-11. The overall condition of the terraces is good. Evidence of recovery from herbivory was noted, as was colonization of mud flats between terraces and bay shoreline.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		6	7,979				$14,958,140	$12,548,971	83.9	$12,437,561 $9,280,214

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

Priority List 7

Grand Terre Vegetative Plantings	BARA	JEFF	127	23-Dec-1998 A	01-May-2001 A	01-Jul-2001 A	$928,895	$346,246	37.3	$344,381 $344,381
	Status:	Planting of 3,100 units each of bitter panicum, gulf cordgrass, and marshhay cordgrass on beach nourishment/dune area, and installation of approximately 35,000 smooth cordgrass and 800 black mangrove was completed in June 2001. Monitoring is underway. Project area is being evaluated for additional plantings in 2003/2004.								
Pecan Island Terracing	MERM	VERMI	442	01-Apr-1999 A	15-Dec-2002 A	10-Sep-2003 A	$2,185,900	$2,390,984	109.4	$2,368,543 $2,211,223
	Status:	An O&M inspection is planned for May 2011.								
Total Priority List		7	569				$3,114,795	$2,737,230	87.9	$2,712,924 $2,555,604

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

Priority List 8

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Bayou Bienvenue Pump Station Diversion and Terracing [DEAUTHORIZED]	PONT	STBER		01-Jun-2000 A			$3,295,574	$212,153	6.4	$212,153 $212,153
Status: Cooperative Agreement awarded in June 1, 2000. Preliminary design analyses indicate that terrace construction significantly more costly than originally estimated due to poor geo-technical condition. The project is estimated to cost between $17 and $20 million to build. At the January 16, 2002 Task Force meeting, DNR and NOAA/NMFS requested initiation of the deauthorization procedure. Deauthorization was approved by the Task Force at the April 16, 2002 meeting.										
Hopedale Hydrologic Restoration	PONT	STBER	134	11-Jan-2000 A	10-Jan-2004 A	15-Jan-2005 A	$2,179,491	$2,281,287	104.7	$2,266,518 $1,847,867
Status: Cooperative Agreement was awarded January 11, 2000. Engineering and design is complete, with design surveys, geo-technical investigations and hydrologic modeling complete. Landrights for the major project feature are complete. NEPA compliance and regulatory requirements are complete. A construction contract was awarded in November 2003, and construction was initiated in March 2004. COnstruction was completed in January 2005, and the project is currently being operated by St. Bernard Parish under a cooperative agreement with the Louisiana Department of Natural Resources.										
Total Priority List		8	134				$5,475,065	$2,493,439	45.5	$2,478,671 $2,060,019

2 Project(s)
2 Cost Sharing Agreements Executed
1 Construction Started
1 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 9

Castille Pass Channel Sediment Delivery [DEAUTHORIZED]	ATCH	STMRY		29-Sep-2000 A			$1,484,633	$1,717,883	115.7	$1,717,883 $1,717,883
Status: As a result of perceived induced shoaling by the proposed construction features, the COE identified several special conditions for permit issuance. These special award conditions (maintenance dredging for perpetuity) are not yet programmatically approved, thus, the NMFS and OCPR have moved to de-authorize the project.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Chandeleur Islands Marsh Restoration	PONT	STBER	220	10-Sep-2000 A	01-Jun-2001 A	31-Jul-2001 A	$1,435,066	$839,927	58.5	$839,927 $839,927
Status:	Cooperative Agreement was awarded September 10, 2000. Vegetative planting is scheduled for spring, 2001, and are phased over two years. Pilot planting project completed in June, 2000. First phase of vegetative plantings completed July 2001 with installation of approximately 80,000 smooth cordgrass plants along 6.6 miles of overwash fan perimeters. Project area is being evaluated for additional plantings in 2003.									
East Grand Terre Island Restoration [TRANSFER]	BARA	JEFF		21-Sep-2000 A			$1,856,203	$2,211,739	119.2	$2,211,739 $2,211,739
Status:	The project is anticipated to be transfered to the CIAP program for construction.									
Four Mile Canal Terracing and Sediment Trapping	TECHE	VERMI	167	25-Sep-2000 A	10-Jun-2003 A	23-May-2004 A	$5,086,511	$2,113,831	41.6	$2,090,224 $2,051,215
Status:	An O&M inspection was conducted by OCPR on 2-22-11. OCPR reported the project is showing signs of continued erosion along the 4-Mile canal side of the project on the ends of the terraces. However, at this time an O&M does not appear to be warranted.									
LaBranche Wetlands Terracing, Planting, and Shoreline Protection [DEAUTHORIZED]	PONT	STCHA		21-Sep-2000 A			$821,752	$306,836	37.3	$306,836 $306,836
Status:	Cooperative Agreement was awarded September 21, 2000. Engineering and design complete. Construction is scheduled for 2002. Task Force approved Phase 2 funding at January 10, 2001 meeting. In a letter dated September 7, 2001, NMFS returned Phase 2 funding because of waning landowner support. Deauthorization is not requested at this time.									
Total Priority List	9		387				$10,684,165	$7,190,216	67.3	$7,166,609 $7,127,600

5 Project(s)
5 Cost Sharing Agreements Executed
2 Construction Started
2 Construction Completed
3 Project(s) Deferred/Deauthorized

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Priority List 10										
Rockefeller Refuge Gulf Shoreline Stabilization	MERM	CAMER	920	27-Sep-2001 A			$1,929,888	$2,408,478	124.8	$1,334,429 $1,332,159
Status: The project design team is planning to report out the test section monitoring results, and make a construction recommendation to the CWPPRA program in September.										
Total Priority List 10			920				$1,929,888	$2,408,478	124.8	$1,334,429 $1,332,159

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

Priority List 11										
Barataria Barrier Island: Pelican Island and Pass La Mer to Chaland Pass	BARA	PLAQ	334	06-Aug-2002 A	25-Mar-2006 A	01-Jan-2013	$61,995,587	$75,896,418	122.4	$72,895,540 $23,508,354
Status: CU 2 (Pelican Island) Const Start - 15 Nov 2011 (A) heavy construction Const Completion - 15 Sept 2012 (S) heavy construction Vegetative Plantings - Fall 2012/Spring 2013										
Little Lake Shoreline Protection/Dedicated Dredging near Round Lake	BARA	LAFOU	713	06-Aug-2002 A	04-Aug-2005 A	30-Mar-2007 A	$35,994,894	$21,979,788	61.1	$21,954,397 $21,773,750
Status: The 2011 Annual O&M inspection revealed that the rock dike along the northern section of the project (Sections 1-9 of 26 total sections) hd settled. A survey will be initiated on September 7 to help determine the extent of settlement. Project team should have the survey report by mid-October to consider a maintenance event.										
Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration	BARA	PLAQ	263	06-Aug-2002 A	06-Jun-2008 A	25-Aug-2009 A	$29,753,880	$39,760,617	133.6 !	$39,438,589 $37,514,718
Status: Heavy construction and associated demobilization completed May 2009. First year of vegetated plantings completed in August 2009. The need for containment dike gapping and additional plantings and sand fences will be evaluated in spring 2010.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		11	1,310				$127,744,361	$137,636,823	107.7	$134,288,525 $82,796,823

3 Project(s)
3 Cost Sharing Agreements Executed
3 Construction Started
2 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 14

Riverine Sand Mining/Scofield Island Restoration [DEAUTHORIZED]	BARA	PLAQ	04-Oct-2005 A			$3,221,887	$2,955,832	91.7	$3,039,062 $3,039,062

Status: State of Louisiana planning to construct the project using state-only funds. Final CWPPRA deauthorization was approved by the Task Force at its 19 January 2012 meeting.

Total Priority List		14				$3,221,887	$2,955,832	91.7	$3,039,062 $3,039,062

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

Priority List 15

South Pecan Island Freshwater Introduction [DEAUTHORIZED]	MERM	VERMI	21-Sep-2006 A			$1,102,043	$779,422	70.7	$779,422 $779,422

Status: The acquisition of land rights has been unsuccessful with one of the eight landowners. Therefore, the NMFS and OCPR will be recommending to the Technical Committee that this project proceed to deauthorization.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		15					$1,102,043	$779,422	70.7	$779,422 $779,422

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

Priority List 16

Madison Bay Marsh Creation and Terracing	TERRE	TERRE	372	31-May-2007 A			$3,002,171	$3,002,171	100.0	$2,622,901 $978,303
	Status: The project design team is scheduled to make a recommendation to the CWPPRA Technical Committee that the project area should be relocated east approximately 4 miles.									
West Belle Pass Barrier Headland Restoration Project	TERRE	LAFOU	305	31-May-2007 A	09-Sep-2011 A	10-Sep-2012	$42,250,417	$41,569,090	98.4	$33,572,940 $2,391,280
	Status: Weeks Marine has completed construction of the primary containment dike and has pumped approximately 10% of the beach fill. Dredging of the marsh fill component is scheduled to begin around June 3, 2012.									
Total Priority List		16	677				$45,252,588	$44,571,261	98.5	$36,195,841 $3,369,583

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

Priority List 17

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Bayou Dupont Ridge Creation and Marsh Restoration	BARA	JEFF	186	17-Jul-2008 A	01-Oct-2012	01-Oct-2013	$38,539,615	$37,984,593	98.6	$32,140,727 $1,262,431
	Status:	Comments related to the permit have been addressed and submitted to the USACE for review including a slope stability analysis for the Alliance Anchorage Borrow Site. CPRA continues to work with landowners related to the landrights agreements.								
Bio-Engineered Oyster Reef Demonstration (DEMO)	MERM	MULTI	0		02-Aug-2011 A	17-Feb-2012 A	$1,981,822	$2,325,535	117.3	$2,013,607 $1,016,745
	Status:	Project construction was completed in early February 2012. Biological and structural monitoring are underway.								
Total Priority List		17	186				$40,521,437	$40,310,128	99.5	$34,154,334 $2,279,177

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

Priority List 18

Grand Liard Marsh and Ridge Restoration	BARA	PLAQ	370		01-Sep-2012	01-Jul-2013	$42,579,616	$42,095,162	98.9	$2,960,641 $1,377,472
	Status:									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		18	370				$42,579,616	$42,095,162	98.9	$2,960,641 $1,377,472

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

Priority List 19

Chenier Ronquille Barrier Island Restoration	BARA	PLAQ	308	18-Aug-2010 A	01-Oct-2013	01-Jul-2014	$3,419,263	$3,419,263	100.0	$3,036,426 $918,860
	Status:	Project did not receive construction funding/Phase 2 approval. State and federal sponsors continuing to finalize environmental clearances that have already been initiated. The sponsors may elect to re-compete for Phase 2 authorization in December 2012.								
Total Priority List		19	308				$3,419,263	$3,419,263	100.0	$3,036,426 $918,860

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

Priority List 21

Cole's Bayou Marsh Restoration	TECHE	VERMI	398				$3,136,805	$3,136,805	100.0	$0 $0
	Status:									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF COMMERCE (NMFS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Oyster Bayou Marsh Restoration	CA/SB	CAMER	489				$3,165,322	$3,165,322	100.0	$0
	Status:									$0
Total Priority List		21	887				$6,302,127	$6,302,127	100.0	$0
										$0

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

Total	**DEPT. OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE**		**20,972**				**$351,078,821**	**$343,014,689**	**97.7**	**$276,861,595** **$149,765,707**

39 Project(s)
33 Cost Sharing Agreements Executed
21 Construction Started
19 Construction Completed
11 Project(s) Deferred/Deauthorized

Notes:
1. Expenditures based on Corps of Engineers financial data.
2. Date codes: A = Actual date * = Behind schedule
3. Percent codes: ! = 125% of baseline estimate exceeded

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Lead Agency: DEPT. OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE										
Priority List 1										
GIWW to Clovelly Hydrologic Restoration	BARA	LAFOU	175	17-Apr-1993 A	21-Apr-1997 A	31-Oct-2000 A	$8,141,512	$11,031,072	135.5 !	$8,900,026 $7,613,795
Status: The project was divided into two contracts in order to expedite implementation. The first contract to install most of the weir structures, began May 1, 1997 and completed November 30, 1997, at a cost of $646,691. The second contract to install bank protection, one weir and one plug, began January 1, 2000 and completed October 31, 2000, at a cost of $3,400,000. All project construction is complete. O&M Plan signed September 16, 2002.										
Vegetative Plantings - Dewitt-Rollover Planting Demonstration (DEMO) [DEAUTHORIZED]	MERM	VERMI		17-Apr-1993 A	11-Jul-1994 A	26-Aug-1994 A	$191,003	$92,147	48.2	$92,147 $92,147
Status: Sub-project of the Vegetative Plantings project. Complete and deauthorized.										
Vegetative Plantings - Falgout Canal Planting Demonstration(DEMO)	TERRE	TERRE	0	17-Apr-1993 A	30-Aug-1996 A	30-Dec-1996 A	$144,561	$206,523	142.9 !	$206,523 $206,523
Status: Sub-project of the Vegetative Plantings project. Wave-stilling devices are in place. Vegetative plantings are in place. Complete.										
Vegetative Plantings - Timbalier Island Planting Demonstration (DEMO)	TERRE	TERRE	0	17-Apr-1993 A	15-Mar-1995 A	30-Jul-1996 A	$372,589	$300,492	80.6	$300,492 $300,492
Status: Sub-project of the Vegetative Plantings project. Complete.										
Vegetative Plantings - West Hackberry Planting Demonstration (DEMO)	CA/SB	CAMER	0	17-Apr-1993 A	15-Apr-1993 A	30-Mar-1994 A	$213,947	$256,251	119.8	$257,181 $256,251
Status: Sub-project of the Vegetative Plantings project. Complete.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	SCHEDULES CSA	SCHEDULES Const Start	SCHEDULES Const End	ESTIMATES Baseline	ESTIMATES Current	ESTIMATES %	Actual Obligations/ Expenditures
Total Priority List		1	175				$9,063,612	$11,886,485	131.1	$9,756,370 $8,469,208

5 Project(s)
5 Cost Sharing Agreements Executed
5 Construction Started
5 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 2

Brown Lake Hydrologic Restoration [DEAUTHORIZED]	CA/SB	CAMER		28-Mar-1994 A			$3,222,800	$1,097,828	34.1	$1,097,828 $1,097,828
	Status:	Landowner support for the project has been withdrawn due to changes in project features therefore project team moved to deauthorize project. Task Force voted to approve deathorization in Fall 2009.								
Caernarvon Diversion Outfall Management	BRET	PLAQ	802	13-Oct-1994 A	01-Jun-2001 A	19-Jun-2002 A	$2,522,199	$4,536,000	179.8 !	$4,559,103 $3,755,846
	Status:	This project was proposed for deauthorization in December 1996, but was referred for revisions at the request of the landowners and DNR. The project was modified. The final plan/EA has been prepared. Bids were opened 23 February 2001. The low bid exceeded the funds available. Task Force approved additional funds. Construction complete June 19, 2002.								
East Mud Lake Marsh Management	CA/SB	CAMER	1,520	24-Mar-1994 A	01-Oct-1995 A	15-Jun-1996 A	$2,903,635	$5,219,019	179.7 !	$5,468,144 $4,709,131
	Status:	Bid opening was August 8, 1995 and contract awarded to Crain Bros. Construction started in early October 1995. Water control structures are installed and the vegetation installed in the summer of 1996. Construction complete. O&M plan executed. Maintenance needs on a water control structure is being evaluated.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Freshwater Bayou Wetland Protection	MERM	VERMI	1,593	17-Aug-1994 A	29-Aug-1994 A	15-Aug-1998 A	$2,770,093	$3,558,027	128.4 !	$3,528,646 $3,290,852
Status:	The project was expedited in order to allow the use of stone removed from the Wax Lake Outlet Weir at a substantial cost savings. Construction is included as an option in the Corps of Engineers contract for the Wax Lake Outlet Weir removal. Option was exercised on September 2, 1994. Project construction is complete. Maintenance contract underway to repair rock dike.									
Fritchie Marsh Restoration	PONT	STTAM	1,040	21-Feb-1995 A	01-Nov-2000 A	01-Mar-2001 A	$3,048,389	$2,201,674	72.2	$2,150,929 $1,805,865
Status:	O&M plan executed January 29, 2003.									
Highway 384 Hydrologic Restoration	CA/SB	CAMER	150	13-Oct-1994 A	01-Oct-1999 A	07-Jan-2000 A	$700,717	$1,308,137	186.7 !	$1,244,587 $1,199,465
Status:	Construction start slipped from November 1997 to July 1999 because of landright issues. All landright agreements signed. Construction complete January 7, 2000. O&M plan executed. Maintenance contract complete. Minor damage from Hurricane Lili to be repaired. Contract in preparation.									
Jonathan Davis Wetland Restoration	BARA	JEFF	510	05-Jan-1995 A	22-Jun-1998 A	12-Jan-2012 A	$3,398,867	$28,886,616	849.9 !	$27,791,426 $21,452,643
Status:	The BA-20 Jonathon Davis project has completed all construction units. Construction Unit #1 began construction June 22, 1998 and was completed in September 1998. Construction Unit #2 began construction February 19, 2001 and was completed on May 29, 2001. Construction Unit #3 began construction January 28, 2003 and was completed on July 16, 2003. Construction Unit #4 began construction July 29, 2010 and was completed on January 12, 2012.									
Vermilion Bay/Boston Canal Shore Protection	TECHE	VERMI	378	24-Mar-1994 A	13-Sep-1994 A	30-Nov-1995 A	$1,008,634	$1,012,649	100.4	$990,085 $878,301
Status:	Complete.									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		2	5,993				$19,575,334	$47,819,951	244.3	$46,830,748 $38,189,930

8 Project(s)
8 Cost Sharing Agreements Executed
7 Construction Started
7 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 3

Brady Canal Hydrologic Restoration	TERRE	TERRE	297	15-May-1998 A	01-May-1999 A	22-May-2000 A	$4,717,928	$6,411,109	135.9 !	$5,368,946 $4,926,363

Status: Project delayed because of landowner concerns about permit conditions regarding monitoring, and objection from a pipeline company in the area. In addition, CSA revisions were needed to accommodate the landowner's interest in providing non-Federal funding. Permitting and design conditions have resulted in the CSA being modified to also include Fina Oil Co. and LL&E. Both will help cost share the project. The revised CSA is complete.

Construction project is complete. O&M plan signed July 16, 2002.

Cameron-Creole Maintenance	CA/SB	CAMER	2,602	09-Jan-1997 A	30-Sep-1997 A	30-Sep-1997 A	$3,719,926	$4,262,525	114.6	$3,522,158 $1,767,034

Status: The first three contracts for maintenance work are complete. The project provides for maintenance on an as-needed basis.

Cote Blanche Hydrologic Restoration	TECHE	STMRY	2,223	01-Jul-1996 A	25-Mar-1998 A	15-Dec-1998 A	$5,173,062	$8,533,990	165.0 !	$7,820,303 $7,422,167

Status: Construction start date slipped from November 1997 to March 1998 because of concern about the source of shell to construct the project. Site inspection for bidder was held January 12, 1998. Concern for a source of shell may require budget modifications. Contract awarded February 1998; notice to proceed March 1998. Construction was completed December 1998.

O&M plan executed. Maintenance contract complete.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Southwest Shore White Lake Demonstration (DEMO) [DEAUTHORIZED]	MERM	VERMI		11-Jan-1995 A	30-Apr-1996 A	31-Jul-1996 A	$126,062	$103,468	82.1	$103,468 $103,468
	Status:	Complete. Project deauthorized.								
Violet Freshwater Distribution [DEAUTHORIZED]	PONT	STBER		13-Oct-1994 A			$1,821,438	$128,627	7.1	$128,627 $128,627
	Status:	Rights-of-way to gain access to the site was a problem due to multiple landowner coordination, and additional questions have arisen about rights to operate existing siphon. Project deauthorized, October 4, 2000.								
West Pointe a la Hache Outfall Management	BARA	PLAQ	646	05-Jan-1995 A	01-May-2013	30-Aug-2013	$881,148	$4,269,295	484.5 !	$947,149 $853,736
	Status:	OCPR design contract is near complete. A 30% review meeting is planned for June 2012.								
White's Ditch Outfall Management [DEAUTHORIZED]	BRET	PLAQ		13-Oct-1994 A			$756,134	$32,862	4.3	$32,862 $32,862
	Status:	LA DNR concurred with NRCS to deauthorize the project. Project deauthorized at the January 16, 1998 Task Force meeting. Deauthorized.								
Total Priority List		3	5,768				$17,195,698	$23,741,876	138.1	$17,923,514 $15,234,257

7 Project(s)
7 Cost Sharing Agreements Executed
4 Construction Started
4 Construction Completed
3 Project(s) Deferred/Deauthorized

Priority List 4

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Barataria Bay Waterway West Side Shoreline Protection	BARA	JEFF	232	23-Jun-1997 A	01-Jun-2000 A	01-Nov-2000 A	$2,192,418	$3,013,365	137.4 !	$2,983,967 $2,787,259
Status:	The project is being coordinated with the COE dredging program. Contract advertised December 1999. Construction complete. Dedication ceremony held October 20, 2000. O&M plan signed July 15, 2002.									
Bayou L'Ours Ridge Hydrologic Restoration [DEAUTHORIZED]	BARA	LAFOU		23-Jun-1997 A			$2,418,676	$371,232	15.3	$371,232 $371,232
Status:	The initial step of deauthorization was taken at the January Task Force meeting. The process will be finalized at the April Task Force meeting.									
Flotant Marsh Fencing Demonstration (DEMO) [DEAUTHORIZED]	TERRE	TERRE		16-Jul-1999 A			$367,066	$106,960	29.1	$106,960 $106,960
Status:	Difficulty in locating an appropriate site for demonstration and difficulty in addressing engineering constraints. Project deauthorized, October 4, 2000.									
Perry Ridge Shore Protection	CA/SB	CALCA	1,203	23-Jun-1997 A	15-Dec-1998 A	15-Feb-1999 A	$2,223,518	$2,289,090	102.9	$2,229,443 $1,862,301
Status:	Project complete.									
Plowed Terraces Demonstration (DEMO)	CA/SB	CAMER	0	22-Oct-1998 A	30-Apr-1999 A	31-Aug-2000 A	$299,690	$325,641	108.7	$325,162 $324,970
Status:	Project initially put on hold pending results of an earlier terraces demonstration project being paid for by the Gulf of Mexico program. The first attempt to plow the terraces in the summer of 1999 was not successful. A second contract was advertised in January 2000 to try again. Construction is complete.									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		4	1,435				$7,501,368	$6,106,289	81.4	$6,016,765 $5,452,723

5 Project(s)
5 Cost Sharing Agreements Executed
3 Construction Started
3 Construction Completed
2 Project(s) Deferred/Deauthorized

Priority List 5

Freshwater Bayou Bank Stabilization	MERM	VERMI	511	01-Jul-1997 A	15-Feb-1998 A	15-Jun-1998 A	$3,998,919	$2,586,323	64.7	$2,581,001 $2,542,019
	Status:	The local cost share is being paid by Acadian Gas Company. Contract was awarded January 14, 1998. Construction is complete.								
Naomi Outfall Management	BARA	JEFF	633	12-May-1999 A	01-Jun-2002 A	15-Jul-2002 A	$1,743,805	$2,216,213	127.1 !	$2,214,046 $1,924,443
	Status:	This project was combined with the BBWW "Dupre Cut" East project for planning and design; construction will be separate. The operation of the siphon is being reviewed by DNR. Hydraulic analysis is complete; results concurred in by both agencies. Construction contract advertised in March 2002. Construction began June 2002 and completed in July 2002. O&M plan in draft.								
Raccoon Island Breakwaters Demonstration (DEMO)	TERRE	TERRE	0	03-Sep-1996 A	21-Apr-1997 A	31-Jul-1997 A	$1,497,538	$1,795,388	119.9	$1,788,609 $1,751,046
	Status:	Complete.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Sweet Lake/Willow Lake Hydrologic Restoration	CA/SB	CAMER	247	23-Jun-1997 A	01-Nov-1999 A	02-Oct-2002 A	$4,800,000	$3,929,152	81.9	$3,879,690 $3,401,950
Status:	The rock bank protection feature of the project is complete. The second contract has been awarded; terrace construction and vegetative planting will be finished by October 1, 2002. Contractor was unable to complete the construction. Contract terminated; remaining work was advertised December 2001. Contract awarded, and construction completed October 2, 2002.									
Total Priority List	5	1,391					$12,040,262	$10,527,076	87.4	$10,463,347 $9,619,458

4 Project(s)
4 Cost Sharing Agreements Executed
4 Construction Started
4 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 6

Barataria Bay Waterway East Side Shoreline Protection	BARA	JEFF	217	12-May-1999 A	01-Dec-2000 A	31-May-2001 A	$5,019,900	$5,224,477	104.1	$5,179,621 $4,769,503
Status:	This project was combined with the Naomi Outfall Management project for planning and design; construction was separate. Project construction complete. O&M plan signed October 2, 2002.									
Cheniere au Tigre Sediment Trapping Demonstration (DEMO)	TECHE	VERMI	0	20-Jul-1999 A	01-Sep-2001 A	02-Nov-2001 A	$500,000	$624,999	125.0	$622,022 $596,781
Status:	A request for proposals was advertised in Feb 2000. No valid proposals received. Proceeding with design of a rock structure. Project advertised for bid. Bid came in over estimate. LDNR and NRCS shifted funds from monitoring to construction. Delay in getting new obligation due to internal COE procedures. Government order received July 13, 2001. Construction complete.									

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Oaks/Avery Canal Hydrologic Restoration, Increment 1	TECHE	VERMI	160	22-Oct-1998 A	15-Apr-1999 A	11-Oct-2002 A	$2,367,700	$2,925,216	123.5	$2,869,968 $2,287,282
Status: O&M plan was finalized on 2/11/04.										
Penchant Basin Natural Resources Plan, Increment 1	TERRE	TERRE	675	23-Apr-2002 A	25-May-2010 A	24-Aug-2011 A	$14,103,051	$17,628,814	125.0 !	$15,754,200 $12,549,013
Status: Project construction was completed on August 24, 2011.										
Total Priority List	6		1,052				$21,990,651	$26,403,506	120.1	$24,425,811 $20,202,578

4 Project(s)
4 Cost Sharing Agreements Executed
4 Construction Started
4 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 7

Barataria Basin Landbridge Shoreline Protection, Phase 1 and 2	BARA	JEFF	1,304	16-Jul-1999 A	01-Dec-2000 A	05-Mar-2009 A	$17,515,029	$30,861,598	176.2 !	$27,644,749 $26,381,447
Status: Construction Unit #4 was completed on May 4th, 2009. Construction Unit #5 was completed on March 5th, 2009.										
Thin Mat Floating Marsh Enhancement Demonstration (DEMO)	TERRE	TERRE	0	16-Oct-1998 A	15-Jun-1999 A	10-May-2000 A	$460,222	$538,101	116.9	$538,101 $538,101
Status: Construction complete. Monitoring ongoing.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		7	1,304				$17,975,251	$31,399,698	174.7	$28,182,850 $26,919,548

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

Priority List 8

Humble Canal Hydrologic Restoration	MERM	CAMER	378	21-Mar-2000 A	01-Jul-2002 A	01-Mar-2003 A	$1,526,136	$1,530,812	100.3	$1,520,071 $1,058,019
	Status:	Construction complete March 2003.								
Lake Portage Land Bridge	TECHE	VERMI	24	07-Apr-2000 A	15-Feb-2003 A	15-May-2004 A	$1,013,820	$1,181,129	116.5	$1,167,562 $1,083,665
	Status:	Project construction was completed on May 15, 2004. Monitoring Plan was finalized on July 19, 2004								
Upper Oak River Freshwater Siphon [DEAUTHORIZED]	BRET	PLAQ					$2,500,239	$56,476	2.3	$56,476 $56,476
	Status:	Total project cost estimate is $12,994,800; Priority List 8 funded $2,500,000 for completion of engineering and design and construction of the outflow channel. Funding of the siphon will be requested when engineering and design are completed. Project feasibility being evaluated. DNR has solicited a cost estimate from one of their engineering firms to perform a feasibility study. Target dates will be established if project is deemed feasible. Deauthorization procedures initiated.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		8	402				$5,040,195	$2,768,417	54.9	$2,744,108 $2,198,160

3 Project(s)
2 Cost Sharing Agreements Executed
2 Construction Started
2 Construction Completed
1 Project(s) Deferred/Deauthorized

Priority List 9

Barataria Basin Landbridge Shoreline Protection, Phase 3	BARA	JEFF	264	25-Jul-2000 A	20-Oct-2003 A	30-Apr-2014	$46,542,450	$37,205,013	79.9	$35,318,945 $9,317,517

Status: Construction Unit #1 started construction in December 2000 and completed construction in May 2001.

Construction Unit #2 started construction in July 2002 and completed construction in October 2002.

Construction Unit #3 started construction on October 20, 2003 and completed construction on May 26, 2004.

Construction Unit #4 started construction on May 8, 2006 and completed construction May 4, 2009.

Construction Unit #5 started construction in April 2007 and completed construction on March 5, 2009.

Construction Unit #6 started construction on April 27, 2005 and completed construction on April 26, 2006.

Construction Unit #7 and Construction Unit #8 are scheduled to start construction in November 2012 and are expected to be completed construction in April 2014.

Black Bayou Culverts Hydrologic Restoration	CA/SB	CAMER	540	25-Jul-2000 A	25-May-2005 A	26-Jan-2010 A	$5,900,387	$6,475,307	109.7	$6,472,327 $6,261,121

Status: Project suffered damage during construction phase. This issue is scheduled to be resolved by August 2009.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Little Pecan Bayou Hydrologic Restoration	MERM	CAMER	56	25-Jul-2000 A			$1,245,278	$1,556,598	125.0 !	$1,395,299 $1,295,068
Status: Project team is currently re-evaluating alternatives, schedule for completion halted pending project decision.										
Perry Ridge West Bank Stabilization	CA/SB	CAMER	83	25-Jul-2000 A	01-Nov-2001 A	31-Jul-2002 A	$3,742,451	$1,778,016	47.5	$1,718,231 $1,674,241
Status: The Perry Ridge project approved on Priority List 4 was the first phase of this project. This is the second and final phase of the project. Task Force approved Phase 2 construction funding January 10, 2001. The rock bank protection is installed. The contract for the terraces and vegetation has been completed.										
South Lake Decade Freshwater Introduction	TERRE	TERRE	202	25-Jul-2000 A	24-Jan-2011 A	30-Aug-2013	$4,949,684	$3,711,462	75.0	$3,567,397 $3,062,508
Status: CPRA has assigned a new Project Team to reevaluate the proposal for Construction Unit #2. Their evaluation is scheduled to be completed in July 2012.										
Total Priority List	9		1,145				$62,380,250	$50,726,396	81.3	$48,472,199 $21,610,455

5 Project(s)
5 Cost Sharing Agreements Executed
4 Construction Started
2 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 10

GIWW Bank Restoration of Critical Areas in Terrebonne	TERRE	TERRE	65	16-May-2001 A	01-Dec-2012	30-Oct-2013	$13,022,246	$11,258,135	86.5	$9,458,299 $1,360,497
Status: Project is currently ready for construction pending land rights assignment from state.										

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		10	65				$13,022,246	$11,258,135	86.5	$9,458,299 $1,360,497

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

Priority List 11

Barataria Basin Landbridge Shoreline Protection, Phase 4	BARA	JEFF	256	09-May-2002 A	27-Apr-2005 A	26-Apr-2006 A	$22,787,951	$13,178,492	57.8	$12,175,425 $6,552,301
	Status:	Construction Unit #6 was completed on April 26, 2006.								
Coastwide Nutria Control Program	COAST	COAST	14,963	26-Feb-2002 A	20-Nov-2002 A	15-Jul-2003 A	$68,864,870	$31,534,672	45.8	$21,250,740 $17,963,898
	Status:	In Year 9 (2010-11) Trapping Season, 338,512 nutria tails were collected.								
Grand Lake Shoreline Protection	MERM	CAMER	45		01-May-2013	30-Aug-2013	$12,792,013	$10,055,616	78.6	$775,883 $775,883
	Status:	At the June 8, 2011 Task Force meeting the project was moved to NRCS as federal sponsor. Currently the project team is evaluating the design of the remaining portion of the project to determine whether revisions are needed due to changes in site conditions. Project team is scheduled to advertise for construction in November 2011, with construction beginning February 2012 and ending in May 2012.								
Raccoon Island Shoreline Protection/Marsh Creation	TERRE	TERRE	71	23-Apr-2002 A	13-Dec-2005 A	30-Nov-2012	$17,167,810	$19,608,966	114.2	$17,451,573 $6,033,328
	Status:	Archaeological and Cultural Resource assessment of pipeline conveyance channel is ongoing. The project team is coordinating with LDWF to expand the construction window to allow work during the nesting season so as to prevent delaying this project until next construction season. A special waiver is being sought to allow work to begin. Advertisement anticipated for November 2011 with construction beginning in January 2012 and ending in August 2012.								

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		11	15,335				$121,612,644	$74,377,746	61.2	$51,653,621 $31,325,410

4 Project(s)
3 Cost Sharing Agreements Executed
3 Construction Started
2 Construction Completed
0 Project(s) Deferred/Deauthorized

Priority List 11.1

Holly Beach Sand Management	CA/SB	CALCA	330	09-May-2002 A	01-Aug-2002 A	31-Mar-2003 A	$19,252,500	$14,130,233	73.4	$14,008,446 $13,918,568
	Status: The placement of the sand material on to the beach was completed on Saturday, March 1, 2003. Required work that is now in progress consist of demobilization of the pipeline segments, dressing the completed beach work,erection of the Sand Fencing and installation of the vegetation.									
Total Priority List		11.1	330				$19,252,500	$14,130,233	73.4	$14,008,446 $13,918,568

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

Priority List 12

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Freshwater Floating Marsh Creation Demonstration (DEMO)	COAST	COAST	0	12-Jun-2003 A	01-Jul-2004 A	01-Jun-2006 A	$1,080,891	$1,080,891	100.0	$1,153,085 $1,068,531

Status: The deployed vegetated structures at the Mandalay field site have been in place since Spring 2006, and are functioning as designed. By the end of 2008 (the third growing season in the field), vegetation in the floating structures has spread significantly from their mother structures and are beginning to interweave with plants from adjacent structures, and the belowground plant material was generating an increasingly extensive network of the fibrous roots and rhizomes necessary to establish the foundation of a sustainable organic marsh mat.

Some of the deployed structures at Mandalay were damaged, but overall the project structures and associated vegetation weathered the storms well with less than 5% of the structures damaged or lost. In this project, the P. hemitomon plants established in the floating structures performed extremely well in the areas not impacted by increases in water salinity from storm induced high water, and when protected from nutria grazing.

Total Priority List	12	0				$1,080,891	$1,080,891	100.0	$1,153,085 $1,068,531

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

Priority List 13

Bayou Sale Shoreline Protection	TECHE	STMRY	329	16-Jun-2004 A	01-Sep-2014	30-Aug-2015	$2,254,912	$2,254,912	100.0	$1,841,957 $1,703,482

Status: Project requested approval to change scope due to design complications caused by pipelines and debris in area. The Technical Committee did not approve request. Design is currently evaluating other alternatives. A 30% review meeting is anticipated for May 2012.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		13	329				$2,254,912	$2,254,912	100.0	$1,841,957 $1,703,482

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

Priority List 14

East Marsh Island Marsh Creation	TECHE	IBERI	169	04-Oct-2006 A	15-Feb-2010 A	22-Jul-2011 A	$23,025,451	$22,611,689	98.2	$19,968,099 $15,105,375
	Status:	Construction of marsh creation has been completed. Vegetative Plantings began March 2011, expected to be completed by July 2011.								
South Shore of the Pen Shoreline Protection and Marsh Creation	BARA	JEFF	106	07-Dec-2005 A	17-Jun-2010 A	30-Apr-2012 *	$21,639,574	$19,850,569	91.7	$18,871,082 $13,418,422
	Status:	Project construction is anticipated to be completed by May 2012.								
White Ditch Resurrection and Outfall Management	BRET	PLAQ	189	11-Aug-2005 A	01-Sep-2014	30-Aug-2015	$1,595,677	$1,595,677	100.0	$1,467,848 $937,830
	Status:	Modeling is complete. Project Team deciding on preferred alternative to begin design. A 30% review meeting is anticipated for June 2012.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		14	464				$46,260,702	$44,057,935	95.2	$40,307,028 $29,461,626

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

Priority List 16

Alligator Bend Marsh Restoration and Shoreline Protection	PONT	ORL	192	11-Jun-2008 A	01-Sep-2013	30-Aug-2014	$1,660,985	$1,660,985	100.0	$1,321,155 $1,280,080

Status: Project Design was completed in November 2011. Task Force did not approve funding for construction at January 2012 meeting. Project will request funding again at the January 2013 meeting.

Total Priority List		16	192				$1,660,985	$1,660,985	100.0	$1,321,155 $1,280,080

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

Priority List 17

Sediment Containment System for Marsh Creation Demonstration (DEMO)	COAST	COAST	0	28-Jan-2008 A	01-Nov-2012	01-Apr-2014	$1,163,343	$1,163,343	100.0	$1,002,584 $146,665

Status: This demonstration project will be applied to the PO-75 Labranche Pilot Study and at the BA-27c Barataria Land Bridge CU#7 & CU#8. Both of these projects are scheduled to be advertised in June 2012.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
West Pointe a la Hache Marsh Creation	BARA	PLAQ	203	24-Jan-2008 A	01-Sep-2014	30-Aug-2015	$1,620,740	$1,620,740	100.0	$1,297,972 $245,291
	Status:	Project is currently locating suitable borrow site, performing surveying and geotechnical analysis. A 30% review meeting is anticipated for June 2012.								
Total Priority List	17		203				$2,784,083	$2,784,083	100.0	$2,300,556 $391,955

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

Priority List 18

Cameron-Creole Freshwater Introduction	CA/SB	CAMER	473	04-May-2009 A	30-Apr-2012 *	30-Aug-2015	$2,696,928	$2,540,030	94.2	$1,373,846 $957,674
	Status:	Construction Unit #1 was advertised on 1/20/12. Construction Unit #2 is currently being re-evaluated by OCPR to determine if more extensive modeling is going to be required. A 30% review meeting is anticipated for May 2013 pending project team decision on current modeling effort.								
Central Terrebonne Freshwater Enhancement	TERRE	TERRE	456	04-May-2009 A	01-Sep-2014	30-Aug-2015	$2,326,289	$2,326,289	100.0	$1,810,446 $718,651
	Status:	Data collection is ongoing. Model Calibration and Verification Phase has begun. Model Scenarios will begin in August 2011.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Non-Rock Alternatives to Shoreline Protection Demo (DEMO)	COAST	COAST	0	04-May-2009 A	27-May-2013	24-Apr-2017	$1,906,237	$1,906,237	100.0	$439,305 $384,511

Status: Projected Timelines

Project was advertised on Nov. 15, 2011

Site VisitsNov. 16 & 17, 2011

Proposals Due on RFPMar. 15, 2012)

< Phase I >
Review of ProposalsMay 14, 2012)

Interview ProcessJune 28, 2012)

< Phase 2 >
Notice of Selection (for Phase 2 design) (July 13, 2012)

Draft Design Schedule from NRCS(Aug. 3, 2012)

Phase 2 Contract Award (Aug. 13, 2012)

Final Design Schedule from NRCS(Aug. 17, 2012)

Begin Surveys and Prepare P&S for advertisement
(Sep. 19, 2012)

Final Product Selection and Develop Phase III Budget(Nov. 26, 2012)

Submit Budget Increase Request to Technical Committee (TC)(Nov. 27, 2012)

Request Task Force Approval and BudgetJanuary 17, 2013

< Phase 3 >
Notice of Selection (for Phase III)(Jan. 25, 2013)

Advertise NRCS Dredging Contract(Mar. 18, 2013)

Finalize NRCS Plans & Specifications(May 25, 2013)

Phase 3 Contract Award (May 27, 2013)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
		NTP on NRCS Dredging Contract(May 31, 2013)								
		Construction of Shoreline Protection Systems(Jan. 22, 2014)								
		Construction Report(Feb. 21, 2014)								
		Monitoring Period(Jan. 23, 2017)								
		Completion Report and Project Closeout(Apr. 24, 2017)								
Total Priority List		18	929				$6,929,454	$6,772,556	97.7	$3,623,598 $2,060,836

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

Priority List 19

Freshwater Bayou Marsh Creation	MERM	VERMI	279	01-Apr-2010 A	01-Sep-2013	30-Aug-2014	$2,425,997	$2,425,997	100.0	$2,024,945 $403,887
	Status:	Project currently performing geotechnical and surveying. A 30% review meeting is anticipated for June 2012.								
LaBranche East Marsh Creation	PONT	STCHA	715	01-Apr-2010 A	01-Sep-2015	30-Aug-2016	$2,571,273	$2,571,273	100.0	$2,097,115 $696,028
	Status:	Project us currently performing surveying and geotechnical analysis, with a 30% review anticipated for June 2012.								

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		19	994				$4,997,270	$4,997,270	100.0	$4,122,060 $1,099,915

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

Priority List 20

Coastwide Planting	COAST	COAST	779	20-Sep-2011 A	01-Jun-2012	01-Jun-2013	$12,689,725	$4,590,663	36.2	$1,113,257 $132,191
	Status:									
Kelso Bayou Marsh Creation	CA/SB	CAMER	274		01-Sep-2014	30-Aug-2015	$2,360,609	$2,360,609	100.0	$2,039,302 $310,581
	Status:									
Total Priority List		20	1,053				$15,050,334	$6,951,272	46.2	$3,152,559 $442,772

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

Priority List 21

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF AGRICULTURE (NRCS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
LaBranche Central Marsh Creation	PONT	STCHA	731				$3,885,298	$3,885,298	100.0	$2,569,124
	Status:									$0
Total Priority List		21	731				$3,885,298	$3,885,298	100.0	$2,569,124
										$0

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

Total	**DEPT. OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE**		**39,290**				**$411,553,940**	**$385,591,010**	**93.7**	**$330,327,199**
										$232,009,990

65 Project(s)
61 Cost Sharing Agreements Executed
42 Construction Started
38 Construction Completed
8 Project(s) Deferred/Deauthorized

Notes:

1. Expenditures based on Corps of Engineers financial data.
2. Date codes: A = Actual date * = Behind schedule
3. Percent codes: ! = 125% of baseline estimate exceeded

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures

Lead Agency: DEPT. OF THE INTERIOR, U.S. Geological Survey

Priority List 0.1

Coastwide Reference Monitoring System - Wetlands	COAST	COAST		08-Jun-2004 A	14-Aug-2003 A		$60,129,663	$66,375,508	110.4	$42,282,608 $35,156,960

Status: The status of the CRMS network and data collection is as follows: all sites (391) have approved landrights and are fully constructed. Data collection is occurring at all sites. All data are posted within the DNR SONRIS database. Available data includes hydrologic, vegetation, elevation/accretion, and soil properties and coastwide aerial photography and satellite imagery. Ten CRMS sites were equipped with real time continuous hydrologic gages in September 2010. A CRMS website has been established as an offshoot of LaCoast.gov (http://www.lacoast.gov/crms2/Home.aspx). The CRMS website provides graphing, visualizations, and data download functionality. The website is designed to facilitate easy access to data and products.

CRMS analytical teams, including agency and academic personnel, were established for landscape, hydrology, vegetation, soils, and data delivery. The teams have developed ecological indices in consultation with the CWPPRA Monitoring Work Group. The ecological indices are incorporated in the CRMS report card which was released in 2011 and is accessed through the CRMS website. The website continues to evolve to support the data and tools that are developed through the CRMS program.

CRMS data are being used in the Operations, Maintenance, and Monitoring Reports for CWPPRA projects and will be incorporated into the 2012 CWPPRA Report to U.S. Congress to evaluate project effectiveness. Several articles have been submitted for publication and are in peer review, but the following documents have been published:

Coastwide Reference Monitoring System (CRMS): U.S. Geological Survey Fact Sheet 2010-3018, 2 p. http://pubs.usgs.gov/fs/2010/3018/.

Cretini, K.F., and Steyer, G.D. 2011, Floristic Quality Index -- An assessment tool for restoration projects and monitoring sites in coastal Louisiana: U.S. Geological Survey Fact Sheet 2011-3044, 4 p. http://pubs.usgs.gov/fs/2011/3044/.

Cretini, K.F, Visser, J.M., Krauss, K.W., and Steyer, G.D. 2012. Development and use of a floristic quality index for coastal Louisiana marshes. Environmental Monitoring and Assessment. 184(4):2389-2403.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (USGS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total Priority List		0.1					$60,129,663	$66,375,508	110.4	$42,282,608 $35,156,960

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

Priority List 0.2

Monitoring Contingency Fund	COAST	COAST	22-Sep-2004 A	08-Dec-1999 A	$1,500,000	$1,500,000	100.0	$869,356 $666,704

Status: On July 10, 2009 USGS approved the backlog of previously approved (by P&E) contingency fund requests that were never invoiced (i.e., multiple projects, CRMS implementation plan and landrights) in the amount of $334,562.53 and a resurveying of Atchafalaya and Big Island projects $70,894.21 (June 4, 2007).

On October 9, 2008, the CWPPRA Task Force approved $320,000 for 4 tasks associated with Hurricanes Gustav and Ike. A new land water survey (USGS), elevation re-survey (CPRA), helicopter salinity survey (USGS) and retrofit of sondes (CPRA).

Total Priority List	0.2				$1,500,000	$1,500,000	100.0	$869,356 $666,704

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

Priority List 0.3

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (USGS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Storm Recovery Assessment Fund	COAST	COAST		21-Aug-2007 A	18-Oct-2006 A		$569,586	$569,586	100.0	$426,056 $426,056
	Status:	On November 5, 2008, the CWPPRA Task Force approved an additional $266,227.00 to cover assessments associated with Hurricanes Gustav and Ike. Amendment #1 to the original cooperative agreement was submitted by USGS to the Louisiana CPRA in October 2011. Awaiting signature from Director's of CPRA and USGS.								
Total Priority List		0.3					$569,586	$569,586	100.0	$426,056 $426,056

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

Priority List 0.4

Construction Program Technical Support Services Fund	COAST	COAST	0	19-Oct-2011 A			$372,036	$372,036	100.0	$0 $0
	Status:									
Total Priority List		0.4	0				$372,036	$372,036	100.0	$0 $0

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

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Lead Agency: DEPT. OF THE INTERIOR (USGS)

PROJECT	BASIN	PARISH	ACRES	********** SCHEDULES ********** CSA	Const Start	Const End	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
Total DEPT. OF THE INTERIOR, U.S. Geological Survey			0				$62,571,285	$68,817,130	110.0	$43,578,021 $36,249,720

4 Project(s)
4 Cost Sharing Agreements Executed
3 Construction Started
0 Construction Completed
0 Project(s) Deferred/Deauthorized

Notes:

1. Expenditures based on Corps of Engineers financial data.
2. Date codes: A = Actual date * = Behind schedule
3. Percent codes: ! = 125% of baseline estimate exceeded

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report - Total All Priority Lists

PROJECT		ACRES	******** ESTIMATES ******** Baseline	Current	%	Actual Obligations/ Expenditures
SUMMARY	Total All Projects	113,123	$1,347,483,525	$1,319,741,165	97.9	$1,053,702,686 $751,917,756

192 Project(s)

160 Cost Sharing Agreements Executed

111 Construction Started

98 Construction Completed

36 Project(s) Deferred/Deauthorized

Total Available Funds

Federal Funds	$1,113,841,651
Non/Federal Funds	$205,184,531
Total Funds	$1,319,026,181

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Atchafalaya										
Priority List:	**2**	2	3,792	2	2	2	0	$5,043,867	$9,609,551	$8,828,730
Priority List:	**9**	1		1	0	0	1	$1,484,633	$1,717,883	$1,717,883
Basin Total		3	3,792	3	2	2	1	$6,528,500	$11,327,433	$10,546,612
Basin: Barataria										
Priority List:	**1**	3	620	3	3	3	0	$9,960,769	$12,262,721	$8,845,444
Priority List:	**2**	1	510	1	1	1	0	$3,398,867	$28,886,616	$21,452,643
Priority List:	**3**	3	646	3	1	1	1	$4,160,823	$7,092,040	$3,676,481
Priority List:	**4**	2	232	2	1	1	1	$4,611,094	$3,384,598	$3,158,492
Priority List:	**5**	2	633	2	1	1	1	$17,269,755	$2,698,016	$2,406,246
Priority List:	**6**	1	217	1	1	1	0	$5,019,900	$5,224,477	$4,769,503
Priority List:	**7**	2	1,431	2	2	2	0	$18,443,924	$31,207,844	$26,725,828
Priority List:	**9**	3	264	3	1	0	2	$49,550,137	$39,667,010	$11,779,513
Priority List:	**10**	2	941	1	0	0	1	$4,901,948	$5,364,801	$3,217,365
Priority List:	**11**	5	1,808	5	5	4	0	$168,205,123	$166,611,740	$105,885,979
Priority List:	**12**	1	326	1	1	0	0	$28,342,879	$27,050,484	$18,472,624
Priority List:	**14**	2	106	2	1	0	1	$24,861,461	$22,806,401	$16,457,483
Priority List:	**15**	1	447	1	1	0	0	$38,040,158	$37,937,871	$463,455
Priority List:	**17**	2	389	2	0	0	0	$40,160,355	$39,605,333	$1,507,722
Priority List:	**18**	1	370	0	0	0	0	$42,579,616	$42,095,162	$1,377,472
Priority List:	**19**	1	308	1	0	0	0	$3,419,263	$3,419,263	$918,860
Priority List:	**21**	1	407	0	0	0	0	$2,354,788	$2,354,788	$0
Basin Total		33	9,655	30	19	14	7	$465,280,860	$477,669,164	$231,115,111

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Breton Sound										
Priority List:	**2**	1	802	1	1	1	0	$2,522,199	$4,536,000	$3,755,846
Priority List:	**3**	1		1	0	0	1	$756,134	$32,862	$32,862
Priority List:	**4**	1		0	0	0	1	$2,468,908	$65,747	$65,747
Priority List:	**8**	1		0	0	0	1	$2,500,239	$56,476	$56,476
Priority List:	**10**	2	768	1	1	1	0	$4,339,140	$3,594,263	$2,791,206
Priority List:	**14**	1	189	1	0	0	0	$1,595,677	$1,595,677	$937,830
Priority List:	**15**	1		0	0	0	1	$1,205,354	$9,510	$9,510
Priority List:	**17**	2	1,046	2	0	0	0	$33,826,686	$33,597,959	$1,729,402
Priority List:	**18**	1	1,613	1	0	0	0	$2,129,816	$2,129,816	$40,528
Basin Total		11	4,418	7	2	2	4	$51,344,153	$45,618,310	$9,419,407

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Calcasieu/Sabine										
Priority List:	**1**	3	6,407	3	3	3	0	$5,770,187	$3,004,068	$2,640,187
Priority List:	**2**	4	2,737	4	3	3	1	$8,568,462	$11,321,073	$9,934,442
Priority List:	**3**	2	3,555	2	2	2	0	$8,301,380	$9,825,783	$5,948,605
Priority List:	**4**	3	1,203	3	2	2	1	$2,893,802	$2,861,631	$2,393,264
Priority List:	**5**	1	247	1	1	1	0	$4,800,000	$3,929,152	$3,401,950
Priority List:	**6**	1	3,594	1	1	1	0	$6,316,806	$6,166,860	$5,854,058
Priority List:	**8**	4	993	3	3	2	0	$36,732,845	$32,494,686	$17,165,230
Priority List:	**9**	2	623	2	2	2	0	$9,642,838	$8,253,323	$7,935,362
Priority List:	**10**	1	225	1	1	1	0	$6,490,751	$5,087,902	$4,631,178
Priority List:	**11.1**	1	330	1	1	1	0	$19,252,500	$14,130,233	$13,918,568
Priority List:	**18**	1	473	1	0	0	0	$2,696,928	$2,540,030	$957,674
Priority List:	**20**	2	808	0	0	0	0	$4,737,398	$4,737,398	$328,464
Priority List:	**21**	1	489	0	0	0	0	$3,165,322	$3,165,322	$0
Basin Total		26	21,684	22	19	18	2	$119,369,219	$107,517,459	$75,108,980

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Coastal Basins										
Priority List:	**Cons Plan**	1		1	1	1	0	$238,871	$191,807	$143,855
Priority List:	**0.1**	1		1	1	0	0	$60,129,663	$66,375,508	$35,156,960
Priority List:	**0.2**	1		1	1	0	0	$1,500,000	$1,500,000	$666,704
Priority List:	**0.3**	1		1	1	0	0	$569,586	$569,586	$426,056
Priority List:	**0.4**	1	0	1	0	0	0	$372,036	$372,036	$0
Priority List:	**6**	1	0	1	1	1	0	$2,140,000	$806,220	$806,220
Priority List:	**9**	1		0	0	0	1	$1,502,817	$83,556	$83,556
Priority List:	**10**	1	0	1	1	1	0	$2,006,424	$2,718,818	$2,438,111
Priority List:	**11**	1	14,963	1	1	1	0	$68,864,870	$31,534,672	$17,963,898
Priority List:	**12**	1	0	1	1	1	0	$1,080,891	$1,080,891	$1,068,531
Priority List:	**13**	1	0	1	1	1	0	$1,000,000	$1,055,000	$691,471
Priority List:	**16**	1	0	1	1	1	0	$919,599	$919,599	$239,345
Priority List:	**17**	1	0	1	0	0	0	$1,163,343	$1,163,343	$146,665
Priority List:	**18**	1	0	1	0	0	0	$1,906,237	$1,906,237	$384,511
Priority List:	**20**	1	779	1	0	0	0	$12,689,725	$4,590,663	$132,191
Basin Total		15	15,742	14	10	7	1	$156,084,062	$114,867,936	$60,348,074

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Miss. River Delta										
Priority List:	**1**	1	9,831	1	1	1	0	$8,517,066	$33,311,311	$31,506,257
Priority List:	**3**	2	936	1	1	1	1	$3,666,187	$1,008,820	$878,359
Priority List:	**4**	1		1	0	0	1	$300,000	$58,310	$58,310
Priority List:	**6**	2	2,386	2	2	2	0	$7,073,934	$6,637,339	$3,950,029
Priority List:	**10**	1	5,706	0	0	0	0	$1,076,328	$1,076,328	$976,518
Priority List:	**12**	1		0	0	0	1	$1,880,376	$354,791	$354,791
Priority List:	**13**	1	433	0	0	0	0	$1,137,344	$1,421,680	$310,152
Priority List:	**15**	1	318	1	0	0	0	$1,074,522	$1,074,522	$434,319
Basin Total		10	19,610	6	4	4	3	$24,725,757	$44,943,100	$38,468,734

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Mermentau										
Priority List:	**1**	2	247	2	2	2	1	$1,368,671	$1,319,270	$1,143,232
Priority List:	**2**	1	1,593	1	1	1	0	$2,770,093	$3,558,027	$3,290,852
Priority List:	**3**	1		1	1	1	1	$126,062	$103,468	$103,468
Priority List:	**5**	1	511	1	1	1	0	$3,998,919	$2,586,323	$2,542,019
Priority List:	**7**	1	442	1	1	1	0	$2,185,900	$2,390,984	$2,211,223
Priority List:	**8**	1	378	1	1	1	0	$1,526,136	$1,530,812	$1,058,019
Priority List:	**9**	2	352	2	1	1	0	$7,296,603	$6,714,441	$6,309,724
Priority List:	**10**	2	1,133	2	1	1	0	$11,565,112	$7,194,104	$5,010,887
Priority List:	**11**	2	397	1	0	0	0	$15,150,433	$12,414,036	$2,473,797
Priority List:	**12**	1	844	1	1	1	0	$19,673,929	$10,518,942	$10,462,844
Priority List:	**15**	1		1	0	0	1	$1,102,043	$779,422	$779,422
Priority List:	**16**	1	888	0	0	0	0	$1,266,842	$1,266,842	$10,155
Priority List:	**17**	1	0	0	1	1	0	$1,981,822	$2,325,535	$1,016,745
Priority List:	**19**	1	279	1	0	0	0	$2,425,997	$2,425,997	$403,887
Basin Total		18	7,064	15	11	11	3	$72,438,562	$55,128,204	$36,816,273

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Pontchartrain										
Priority List:	**1**	2	1,753	2	2	2	0	$6,119,009	$5,498,122	$5,204,866
Priority List:	**2**	2	2,320	2	2	2	0	$4,500,424	$3,894,225	$3,247,503
Priority List:	**3**	3	755	3	1	1	2	$2,683,636	$912,272	$810,179
Priority List:	**4**	1		0	0	0	1	$5,018,968	$39,025	$39,025
Priority List:	**5**	1	75	1	1	1	0	$2,555,029	$2,589,403	$2,300,062
Priority List:	**8**	2	134	2	1	1	1	$5,475,065	$2,493,439	$2,060,019
Priority List:	**9**	3	220	2	1	1	2	$2,407,524	$1,335,146	$1,230,695
Priority List:	**10**	1	165	1	1	1	0	$18,378,900	$28,548,045	$17,202,448
Priority List:	**11**	1	5,438	1	0	0	0	$5,434,288	$6,780,307	$5,199,163
Priority List:	**12**	1		0	0	0	1	$1,348,345	$1,098,345	$1,089,193
Priority List:	**13**	1	436	1	1	1	0	$21,067,777	$15,752,049	$13,711,052
Priority List:	**16**	1	192	1	0	0	0	$1,660,985	$1,660,985	$1,280,080
Priority List:	**19**	1	715	1	0	0	0	$2,571,273	$2,571,273	$696,028
Priority List:	**20**	1	424	0	0	0	0	$2,567,244	$2,567,244	$26,487
Priority List:	**21**	1	731	0	0	0	0	$3,885,298	$3,885,298	$0
Basin Total		22	13,358	17	10	10	7	$85,673,765	$79,625,180	$54,096,800

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Teche / Vermilion										
Priority List:	**1**	1	65	1	1	1	0	$1,526,000	$2,022,987	$1,998,382
Priority List:	**2**	1	378	1	1	1	0	$1,008,634	$1,012,649	$878,301
Priority List:	**3**	1	2,223	1	1	1	0	$5,173,062	$8,533,990	$7,422,167
Priority List:	**5**	1	441	1	1	1	0	$940,065	$886,030	$703,909
Priority List:	**6**	4	2,567	4	4	4	0	$10,130,000	$10,347,331	$8,655,029
Priority List:	**8**	1	24	1	1	1	0	$1,013,820	$1,181,129	$1,083,665
Priority List:	**9**	3	686	1	1	1	0	$7,814,815	$4,842,135	$3,687,011
Priority List:	**13**	1	329	1	0	0	0	$2,254,912	$2,254,912	$1,703,482
Priority List:	**14**	1	169	1	1	1	0	$23,025,451	$22,611,689	$15,105,375
Priority List:	**21**	1	398	0	0	0	0	$3,136,805	$3,136,805	$0
Basin Total		15	7,280	12	11	11	0	$56,023,564	$56,829,656	$41,237,320

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

Project Status Summary Report by Basin

		No. of Projects	Acres	CSA Executed	Under Const.	Completed	Projects Deauth.	Baseline Estimate	Current Estimate	Expenditures To Date
Basin: Terrebonne										
Priority List:	**1**	5	9	4	3	3	2	$8,809,393	$9,376,760	$7,886,515
Priority List:	**2**	3	958	3	3	3	0	$12,831,588	$23,036,985	$18,788,680
Priority List:	**3**	4	3,958	4	4	4	0	$15,758,355	$24,026,828	$20,039,358
Priority List:	**4**	2	215	2	1	1	1	$6,119,470	$7,707,111	$7,635,106
Priority List:	**5**	3	0	3	1	1	2	$31,120,343	$4,747,745	$4,635,443
Priority List:	**5.1**	1		1	0	0	1	$9,700,000	$9,700,000	$3,432,749
Priority List:	**6**	4	941	2	1	1	2	$30,522,757	$37,747,287	$15,395,184
Priority List:	**7**	1	0	1	1	1	0	$460,222	$538,101	$538,101
Priority List:	**9**	4	577	4	4	3	0	$29,772,484	$35,217,954	$28,227,110
Priority List:	**10**	2	669	2	1	1	0	$44,750,163	$48,326,819	$36,973,231
Priority List:	**11**	3	543	3	2	1	0	$37,686,501	$41,300,773	$23,892,316
Priority List:	**12**	1	143	0	0	0	0	$2,229,876	$2,229,876	$1,716,949
Priority List:	**13**	1	272	1	1	0	0	$27,453,090	$30,138,970	$21,132,165
Priority List:	**16**	2	677	2	1	0	0	$45,252,588	$44,571,261	$3,369,583
Priority List:	**18**	1	456	1	0	0	0	$2,326,289	$2,326,289	$718,651
Priority List:	**19**	1	749	1	0	0	0	$2,320,214	$2,320,214	$361,985
Priority List:	**20**	1	353	0	0	0	0	$2,901,750	$2,901,750	$17,317
Basin Total		39	10,520	34	23	19	8	$310,015,083	$326,214,722	$194,760,444
Total All Basins		192	113,123	160	111	98	36	$1,347,483,525	$1,319,741,165	$751,917,756