

DRAFT
State of Alabama
Coastal Impact Assistance Program (CIAP) Plan
Fiscal Year 2007 and 2008



Bob Riley, Governor, State of Alabama
M. Barnett Lawley, Commissioner, Alabama Department of Conservation and Natural Resources
Prepared by the State Lands Division,
Alabama Department of Conservation and Natural Resources
August 2007

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List of Acronyms

ACAMP.....	Alabama Coastal Area Management Plan
ADCNR.....	Alabama Department of Conservation and Natural Resources
ADEM.....	Alabama Department of Environmental Management
ADPH.....	Alabama Department of Public Health
BC.....	Baldwin County
CCMP.....	Coastal Conservation Management Plan
CIAP.....	Coastal Impact Assistance Program
CPMC.....	Claude Petet Mariculture Center
CRAC.....	Coastal Resources Advisory Committee
CZMA.....	Coastal Zone Management Authority
C & D.....	Construction and Demolition
DISL.....	Dauphin Island Sea Lab
EDRF.....	Emergency Disaster Relief Fund
ESA.....	Endangered Species Act
GSA.....	Geological Survey of Alabama
MBNEP.....	Mobile Bay National Estuary Program
MC.....	Mobile County
MMS.....	Minerals Management Service
MRD.....	Marine Resources Division
MSW.....	Municipal Solid Waste
NEPA.....	National Environmental Protection Act
NERR.....	National Estuarine Research Reserve
NMOC.....	Non Methane Organic Compound
NOAA.....	National Oceanic and Atmospheric Association
NRDA.....	Natural Resource Damage Assessment
OGB.....	Oil and Gas Board
SLD.....	State Lands Division
SPD.....	State Parks Division
USACE.....	United States Army Corps of Engineers
USFWS.....	United States Fish and Wildlife Service
WFFD.....	Wildlife and Freshwater Fisheries Division

1. INTRODUCTION

The Coastal Impact Assistance Program (CIAP) was established by Section 384 of the Energy Policy Act of 2005 to assist producing states and their coastal political subdivisions (i.e. counties) in mitigating the impacts from Outer Continental Shelf (OCS) oil and gas production. The CIAP legislation appropriated \$250 million per year for fiscal years 2007 through 2010 to be distributed among eligible producing States and their coastal political subdivisions. The eligible States are Alabama, Alaska, California, Mississippi, and Louisiana. The coastal political subdivisions in Alabama are Baldwin County and Mobile County. The Coastal Impact Assistance Program (CIAP) requires each state to develop a plan to be eligible for the CIAP funding.

The CIAP provision of the Act of the Outer Continental Shelf Lands Act, listed five categories of authorized uses of CIAP funds. Thus, a State or CPS can only use CIAP funds only for one or more of the following purposes:

1. projects and activities for the conservation, protection, or restoration of coastal areas, including wetland;
2. mitigation of damage to fish, wildlife, or natural resources;
3. planning assistance and the administrative costs of complying with CIAP;
4. implementation of a Federally approved marine, coastal, or comprehensive conservation management plan; and
5. mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.

Alabama is one of six states eligible to receive CIAP funds. The total annual allocation for the State of Alabama for FY 2007 and FY 2008 is \$51,103,214.08 (\$25,551,607.04 in 2007 and \$25,551,607.04 in 2008). Thirty-five percent (\$17,886,124.92) of these funds will be allocated and disbursed to Baldwin and Mobile counties. Table 1 summarizes the allocations provided to the State of Alabama, Baldwin County, and Mobile County.

The State of Alabama, Baldwin County, and Mobile County have worked cooperatively to develop CIAP projects for FY 2007 and FY 2008. These projects meet the criteria set forth in the legislation and will provide long-term benefits to Alabama's coastal area. A subsequent CIAP plan will be submitted in the future for FY 2009 and FY 2010 funding.

	Total Allocation for Alabama (10.54% of 250M)	State of Alabama Allocation (65%)	County Allocation (35%)	Mobile County (55.36% of County allocation)	Baldwin County (44.64% of County Allocation)
FY 2007	\$25,551,607.04	\$16,608,544.58	\$8,943,062.46	\$4,951,015.14	\$3,992,047.32
FY 2008	\$25,551,607.04	\$16,608,544.58	\$8,943,062.46	\$4,951,015.14	\$3,992,047.32
TOTAL for FY 2007 and FY 2008	\$51,103,214.08	\$33,217,089.16	\$17,886,124.92	\$9,902,030.28	\$7,984,094.64

Table 1. Summary of Coastal Impact Assistance funding for the State of Alabama for FY 2007 and 2008 (Source: Minerals Management Service webpage <http://www.mms.gov/offshore/CIAPmain.htm>)

2. Designated State Agency

The Energy Policy Act's CIAP provision requires that the Governor designate a State agency to develop the Plan and represent the State in interactions with the U.S. Department of the Interior Minerals Management Service for purposes of the Program. On November 3, 2005 the Governor of Alabama, Bob Riley, named the Alabama Department of Conservation and Natural Resources (ADCNR) the agency responsible for administering the CIAP. Appendix A includes the letter designating ADCNR as the lead agency. The ADCNR point of contact for development and implementation of the Plan is M. Barnett Lawley, Commissioner of the Department of Conservation and Natural Resources. His contact information is:

	State of Alabama designated contact for development and implementation of the Coastal Impact Assistance Program
Name	Commissioner M. Barnett Lawley
Address	Alabama Department of Conservation and Natural Resources
	64 North Union Street
	Montgomery, Alabama 36130
Telephone	(334) 242-3486
Fax	(334) 242-0999

Further, Commissioner Lawley designated the State Lands Division (SLD) to administer the CIAP. Such a role is a natural fit for the State Lands Division, which serves as the lead agency for the NOAA-sponsored Alabama Coastal Area Management Program and Weeks Bay National Estuarine Research Reserve. The State Lands Division also managed the NOAA-sponsored CIAP in 2001. The State Lands Division is responsible for stewardship of many undeveloped state-owned lands, including state water bottoms, and serves as the single designated title holder for all lands acquired through the Forest Legacy Program, and administers the State's Forever Wild Land Trust Program.

In addition to the State Lands Division, there are other divisions within the Department of Conservation and Natural Resource with a mandate to protect and manage coastal areas: the State Parks Division (SPD), the Marine Resources Division (MRD), and the Wildlife and Freshwater Fisheries Division (WFFD). The State Parks Division manages Gulf State Park, a 6150-acre tract of coastal habitat located between Gulf Shores and Orange Beach directly on the Gulf of Mexico. The Marine Resources Division's mission is to conserve, protect, and enhance Alabama's living marine resources in a manner that encourages sustainable economic development and promotes the responsible stewardship of those resources. The Wildlife and

Freshwater Fisheries Division manages, protects, conserves and enhances wildlife and aquatic fishing resources of Alabama.

It is the goal of the State of Alabama to utilize CIAP funds to address the potential issues that threaten to impact coastal resources and to identify projects and programs that will restore, protect, and enhance the coastal area and ecosystem.

3. Designated Contact for Coastal Political Subdivisions

Two Coastal Political Subdivisions (CPS) lie within Alabama’s coastal zone: Baldwin County and Mobile County.

a. Baldwin County Commission

	Baldwin County designated contact for development and implementation of the Coastal Impact Assistance Program
Name	Wayne Gruenloh, Chairman
Address	Baldwin County Commission
	312 Courthouse Square, Suite 12
	Bay Minette, AL 36507
Telephone	(251) 937-0264
Fax	(251) 580-2500

Through the CIAP, it is the goal of the Baldwin County Commission to provide conservation, protection, and restoration of environmentally sensitive areas, to provide enhancement to properties already under the care of the County, and to develop long-term plans to assist in these endeavors.

b. Mobile County Commission

	Mobile County designated contact for development and implementation of the Coastal Impact Assistance Program
Name	Stephen Nodine, President
Address	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-8595
Fax	(251) 574-4722

Coastal resources will be conserved, protected, enhanced, and restored by the Mobile County Commission with funding provided by the Coastal Impact Assistance Program. This goal will be achieved by pursuing three overarching objectives:

- o Coastal areas in Mobile County will be more accessible to citizens and will provide increased opportunities for environmental education and

recreation in order to foster support for conservation and restoration efforts.

- Coastal Impact Assistance Program funding will be utilized to assist in implementation of the Mobile Bay Comprehensive Conservation & Management Plan with regard to selected Water Quality, Habitat Management, Human Uses, and Education & Outreach Action Items.
- A Mobile County Coastal Resource Protection Program will be developed to promote wise management of natural resources and will include activities such as acquisition and management of coastal habitats, including wetlands.

4. Governor's Certification of Public Participation

The State of Alabama has worked diligently to involve the public and other relevant Federal, State, and local agencies in the development of the CIAP. On March 6, 2007 the State of Alabama, Baldwin County, and Mobile County held a public information meeting to announce the CIAP. This meeting was held at Five Rivers Alabama's Delta Resource Center on the Mobile Bay Causeway, a central location to both counties. An advertisement was published in the Sunday edition of the Mobile Press-Register and the Baldwin Register two consecutive Sundays prior to the meeting (February 24, 2007 and March 4, 2007). At this meeting, representatives from the Minerals Management Service (MMS), the State of Alabama, Baldwin County, and Mobile County described the CIAP. An overview of how the CIAP would be implemented was presented and discussed in detail. At this meeting, program suggestions were solicited.

After this meeting, the State of Alabama, Baldwin County, and Mobile County began compiling project lists to be included in the Draft CIAP Plan taking submitted program suggestions into consideration. The draft Mobile County CIAP project list was approved by the Mobile County Commission on April 24, 2007. The draft project lists were discussed by the Baldwin County Commission at two work sessions (April 10, 2007 and April 24, 2007) and the lists were approved by the Baldwin County Commission on May 15, 2007. These meetings are public and agendas are published in local newspapers. Appendix B includes a copy of the advertisement.

Utilizing the existing outreach framework of the State of Alabama Coastal Zone Management Program, representatives from Federal, State and local agencies were invited to a meeting of the Coastal Resources Advisory Committee (CRAC). At this meeting, the State Draft CIAP Plan was presented and discussed. The purpose of this meeting was to provide an early opportunity to view the draft plan and to coordinate financial resources relative to CIAP funding. This is discussed in more detail in section 4. Federal representatives were invited from the following federal agencies:

- U.S. Army Corps of Engineers – Mobile District
- U.S. Fish and Wildlife Service
- U.S. Environmental Protection Agency
- U.S. Geological Survey
- USDA Natural Resources Conservation Service

Representatives were invited from the following State of Alabama agencies:

- Alabama Department of Transportation
- Alabama Department of Environmental Management
- Department of Public Health (Baldwin and Mobile County)

- Geological Survey of Alabama

Representatives were invited from the other divisions within the Department of Conservation and Natural Resources including:

- State Parks Division
- Marine Resources Division
- Wildlife and Freshwater Fisheries Division

Representatives were invited from the following regional agencies:

- South Alabama Regional Planning Commission
- Mobile Bay National Estuary Program

Another public meeting was held on August 30, 2007 to announce and release the Draft CIAP Plan. An advertisement was placed in the Mobile and Baldwin County newspapers on August 19th and 26th, 2007 to announce the meeting (See Appendix C). Also, notification of the meeting was sent to the local leaders of relevant Federal, State, and local agencies. The meeting notice was sent to the attendees of the first public information meeting held in March and all individuals and organizations that solicited information on the CIAP and/or submitted program suggestions.

A draft comment period of 30 days began on August 31, 2007. All written comments are included in Appendix D. Appendix E includes a letter signed by the governor which certifies the public participation of the CIAP.

5. Coordination with other Federal Resources and Programs

In developing the CIAP Plan, the State of Alabama, Baldwin County, and Mobile County selected projects and programs which complemented existing federal resources in coastal Alabama. The framework of the existing Alabama Coastal Area Management Program (ACAMP) was used to provide outreach efforts relating to CIAP plan development. A project was scaled down or deleted if significant other federal funding sources were available. When necessary, federal agency personnel were consulted throughout the State of Alabama CIAP plan development. Cost sharing of other federal or private resources is documented in the project summary.

Some CIAP projects will be used to complement other federal resources. For example, the State of Alabama plans to rebuild the public fishing pier at Gulf State Park using public assistance funds from the Federal Emergency Management Agency (FEMA) after it was destroyed by Hurricane Ivan in 2004. In order to make the structure more resilient to future storms, CIAP funds will be used to fund the additional costs associated with rebuilding the pier in a more protected location. In addition, the pier will be longer and wider to withstand increased wave energy and wind loads. Also, the State of Alabama has closely coordinated the CIAP with other federal land acquisition programs. For example, the State of Alabama will utilize CIAP funding for land acquisition in the coastal area, as it is an eligible expenditure. Other land acquisition programs eligible statewide, such as the USDA Forest Legacy Program, will be used in the non-coastal areas of Alabama.

Federally-approved plans were consulted during the compilation of the Alabama CIAP project lists to make sure projects met the objective of these documents. These plans include but are not limited to the following: the Alabama Coastal Area Management Plan, the Weeks Bay National Estuarine Research Reserves Management Plan, the Mobile Bay National Estuary Program Comprehensive Conservation Management Plan, The Alabama Comprehensive Wildlife Conservation Strategy, Alabama Coastal Estuarine Land Conservation Program, Forest Legacy Program and U.S. Army Corps of Engineers coastal projects. Last, representatives from Federal Agencies were invited to the Coastal Resources Advisory Committee (CRAC) meeting prior to the release of the Draft Plan. As mentioned earlier, one of the objectives of this meeting was to solicit formal feedback from the federal agency representatives regarding plan development and to solicit other funding sources specific to CIAP projects. This feedback was documented and considered by the Alabama CIAP entities.

6. Plan Implementation Program

❖ Goals and Objectives of the State of Alabama CIAP Plan

State of Alabama

It is the goal of the State of Alabama to utilize CIAP funds to address the issues that threaten to impact coastal resources and to identify projects and programs that will restore, protect, and enhance the coastal area and ecosystem.

Baldwin County Commission

It is the goal of the Baldwin County Commission to provide conservation, protection and restoration of environmentally sensitive areas, to provide enhancement to properties already under the care of the county, and to develop long-term plans to assist in these endeavors.

The CIAP goals were coordinated with the Baldwin County Strategic Plan for 2006-2016, which addresses some of the most critical needs within the county and the strategies to meet those needs. A key requirement in the selection of initiatives for the CIAP program was the ability of those projects to meet the objectives in the County's strategic plan. The Baldwin County CIAP initiatives also were required to meet not only the authorized uses of the CIAP but also the strategic plan components. The compatibility of the initiatives along with the State of Alabama's CIAP Plan and other federally-approved plans was also considered.

Mobile County Commission

Coastal resources will be conserved, protected, enhanced, and restored by the Mobile County Commission with funding provided by the Coastal Impact Assistance Program. This goal will be achieved by pursuing three overarching objectives:

- Coastal areas in Mobile County will be more accessible to citizens and will provide increased opportunities for environmental education and recreation in order to foster support for conservation and restoration efforts.
- Coastal Impact Assistance Program funding will be utilized to assist in implementation of the Mobile Bay Comprehensive Conservation & Management Plan with regard to selected Water Quality, Habitat Management, Human Uses, and Education & Outreach Action Items.
- A Mobile County Coastal Resource Protection Program will be developed to promote wise management of natural resources and will

include activities such as acquisition and management of coastal habitats, including wetlands.

❖ Description of how the State of Alabama, Baldwin County and Mobile County will Manage, Implement and Monitor the CIAP

State of Alabama

The State of Alabama is committed to managing the CIAP in an efficient, cost-effective, and organized manner in order to meet the requirements of the program. In December of 2006, The State of Alabama employed one full-time staff person (i.e. Natural Resource Planner) dedicated to coordinating all aspects of the CIAP. Additionally, a State Lands Manager oversees the administration of the CIAP on a part-time basis. The State of Alabama is also considering hiring an accounting technician to aid in all financial CIAP matters. These staff members update departmental and other state officials on CIAP-related issues so that informed CIAP decisions are made. Also, close coordination with other relevant departmental sections including Accounting, Legal, Engineering, and Coastal Sections occur on a regular basis to ensure proper systems are created and followed throughout CIAP implementation. CIAP staff work closely with CIAP representatives from the MMS and other applicable federal agencies. In addition, CIAP staff coordinates with representatives from Mobile and Baldwin County regarding timetables, meetings, and reports. In sum, the CIAP will be administered and closely coordinated through all phases of the program.

Baldwin County Commission

The Baldwin County CIAP Plan is managed and monitored by the Natural Resources Section of the Planning and Zoning Department. This department in conjunction with other county departments including the Solid Waste Department and the Highway Department will implement the projects. The Grants Coordinator within the Budget Department will submit grant applications, financial and progress reports and requests for reimbursement.

Mobile County Commission

The Mobile County CIAP Program is managed by staff from the Mobile County Environmental Services Department and the South Alabama Regional Planning Commission (SARPC). The staff and SARPC will be responsible for management, implementation, and monitoring of the Mobile County Coastal Impact Assistance Program. This responsibility includes preparing grant applications, environmental reviews, progress reports and general grant management tasks. The staff and SARPC will also manage each project from the application stage through procurement to

completion and closeout. Procurement procedures and policies currently in place as well as MMS guidelines will be followed to ensure open and fair competition for contracts and purchases and compliance with all other applicable laws and regulations.

❖ The State of Alabama Public Participation Process

In 2006, the State of Alabama CIAP Staff began to convene meetings with representatives from Baldwin and Mobile County. In addition the South Alabama Regional Planning Commission was invited to participate in this process. This group formed the “CIAP Planning Team”. The objective of these meetings was to keep CIAP entities apprised of all activities regarding the development of CIAP. Following is list of the date and time of the public participation meetings.

- July 17-18, 2007 the Alabama CIAP team met separately in Reston, Virginia during Grant Guidelines Workshop sponsored by the Minerals Management Service.
- September 7, 2007 the CIAP Planning team met at 10:00 am at South Alabama Regional Planning Commission offices at 110 Beaugard Street in downtown Mobile.
- October 4, 2007 the CIAP Planning team met at 2:00 pm at South Alabama Regional Planning Commission offices at 110 Beaugard Street in downtown Mobile.
- November 8, 2007 the CIAP Planning team met at 10:30 am at South Alabama Regional Planning Commission offices at 110 Beaugard Street in downtown Mobile.
- December 6, 2007 the CIAP Planning team met at 10:30 am at South Alabama Regional Planning Commission offices at 110 Beaugard Street in downtown Mobile.
- January 9, 2007, the Baldwin County Commission discussed the CIAP at a regularly scheduled work session.
- January 10, 2007 the CIAP Planning team met at 10:30 am at South Alabama Regional Planning Commission offices at 110 Beaugard Street in downtown Mobile.

- February, 7, 2007 the CIAP Planning team met at 10:30 am Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- March 2, 2007, Baldwin County distributed its newsletter, Planning Horizons, advertising the CIAP public meeting.
- March 6, 2007, a public information meeting was held at 6:00 pm at Five Rivers Alabama's Delta Resource Center. Thirty-two (32) people attended this meeting. This meeting was advertised in the Mobile-Press Register and the Baldwin Register on February 24, 2007 and March 4, 2007.
- March 22, 2007 the CIAP Planning team met at 2:00 pm at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- April 4, 2007, CIAP program staff met with and informed representatives with The Nature Conservancy and the Friends of Bon Secour National Wildlife Refuge of the CIAP program.
- April 4, 2007 CIAP program staff met with and informed representatives from the Geologic Survey of Alabama of the Alabama CIAP Program.
- April 10, 2007, the Baldwin County Commission discussed the CIAP at a regularly scheduled work session.
- April 17, 2007 CIAP program staff met and informed representatives from the Organized Seafood Association of Alabama of the CIAP Program.
- April 10, 2007, the Baldwin County Commission discussed the CIAP at a regularly scheduled work session.
- April 24, 2007, the Mobile County Commission approved the CIAP Tier 1 and Tier 2 project lists and approved submittal of such lists to the State for inclusion into the State of Alabama CIAP Plan.
- May 2, 2007 the CIAP Planning team met at 10:30 am at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- May 15, 2007, the Baldwin County Commission formally approved the CIAP Tier 1 and Tier 2 lists at a regularly scheduled meeting and approved submittal of such lists to the State for inclusion into the State of Alabama CIAP Plan.

- June 4, 2007 the CIAP Planning team met at 10:30 am at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
 - June 18, 2007 the CIAP Planning team met at 10:30 am at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
 - July 10, 2007 the CIAP Planning team held a conference call to discuss CIAP Plan development.
 - July 30, 2007 the CIAP Planning team held a conference call to discuss CIAP Plan development.
 - August 30, 2007, the Draft CIAP Plan was presented to the Coastal Resources Advisory Committee (CRAC).
 - August 30, 2007, the Draft CIAP Plan was released to the public via a public meeting held at Five Rivers Alabama's Delta Resource Center.
 - August 31, 2007, the comment period for written comments began.
- a. Summary of written comments: (This section will be completed after the comment period is closed). All submitted written comments are included in Appendix D.

❖ The State of Alabama, Baldwin County and Mobile County Decision-Making Process for Selecting Projects

State of Alabama

Through the leadership of the Conservation Commissioner, the State Lands Division, Marine Resources Division, Wildlife and Freshwater Fisheries Division, and State Parks Division identified and scoped out restoration and conservation needs. Compatibility with other federal resources was considered during project selection. This process produced a list of projects such as acquisition of sensitive land for conservation, longleaf pine restoration, and enhancement of conservation education through improvements and upgrades to facilities throughout the coastal area.

Numerous program suggestions were presented to the State of Alabama. These suggestions were documented and evaluated for eligibility and compatibility with the Alabama CIAP. Subsequently, some program suggestions were included in the State of Alabama CIAP Plan. The projects identified in the Alabama CIAP Plan have been selected because they provide significant, quantifiable, and long-term results that will assist the State in taking a proactive step towards the ecological and economical vitality for current and future generations.

Baldwin County Commission

The Natural Resource Section of the Planning and Zoning Department developed a list of possible projects for inclusion in the CIAP plan and further solicited project ideas from the public. This information was provided to the Baldwin County Commission for their review and approval. The process for decision making involved an analysis of the proposed projects in relation to the Baldwin County Strategic Plan and the authorized uses of the CIAP plan. Additionally, projects were selected based on common objectives of federally approved plans (Alabama Coastal Area Management Plan and Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan).

Mobile County Commission

The Mobile County Commission appointed the Director of the Mobile County Environmental Services Department to take the lead in identifying projects to be included in the Mobile County Coastal Impact Assistance Program. An internal planning team was formed that included the County Commissioners, the Mobile County Engineer, and staff from the Environmental Services Department to review identified projects. Additionally, the services of the South Alabama Regional Planning Commission were retained to facilitate the planning process and assist in developing projects.

Internal planning meetings were held to brief team members on program guidance, develop program goals and objectives, and to review the list of potential projects. The Mobile County CIAP team evaluated the goals and objectives of each project and reviewed the proposed activity's consistency with the Coastal Impact Assistance Program guidance.

Projects were selected for inclusion in the County's portion of the CIAP based on:

1. Compliance with Authorized Uses;
2. Compliance with local objectives and;
3. Feasibility of proposed project

❖ Compliance with the Coastal Zone Management Act

State of Alabama

The State of Alabama CIAP used the existing Alabama Coastal Area Management Plan (ACAMP) as the framework for public participation. All CIAP projects are subject to authorities such as the National Environmental Policy Act (NEPA), Endangered Species Act (ESA), the Federal Consistency Provisions of Coastal Zone Management Act (CZMA), the Essential Fish Habitat Provisions of the Sustainable Fisheries Act, Coastal Barrier Resources Act, National Historic Preservation Act and the Americans with Disabilities Act. While ADCNR serves as the lead administrative arm of the ACAMP, the Alabama Department of Environmental Management (ADEM) is the regulatory agency of the

Coastal Zone Management Program in Alabama. For each project, ADEM will be consulted and a letter certifying consistency with the ACAMP will be issued.

Baldwin County Commission

Baldwin County will ensure compliance with all relevant laws by reviewing local, state and federal requirements as they pertain to each project. The permit submittal process for the coastal zone of Alabama will be followed. In addition, the Legal Department of the Baldwin County Commission will review project requirements prior to implementation. The County will also coordinate CIAP project activities with other County departments to ensure that they are compatible.

Mobile County Commission

The Mobile County Commission will ensure compliance with all relevant laws by consulting with federal, state, and local agencies, including consultation with legal staff, and seeking permits where appropriate.

- ❖ Description of the major activities and/or categories to be funded under the Program (e.g., infrastructure, habitat restoration, mitigation, etc.)

State of Alabama

The State of Alabama will utilize CIAP funds to accomplish many internal goals and objectives. Specifically, many projects will utilize CIAP funds to restore damaged infrastructure from recent hurricanes (Ivan and Katrina) while increasing resiliency for future storms. Coastal Impact Assistance Program funds will be distributed throughout four Divisions within the Department of Conservation and Natural Resources including the State Lands Division, Marine Resources Division, State Parks Division and the Division of Wildlife and Freshwater Fisheries.

Baldwin County Commission

A significant portion of the funds in the Baldwin County CIAP plan meet the CIAP authorized use #1. This authorized use is for projects and activities for the conservation, protection, or restoration of coastal areas, including wetlands. This authorized use addresses the primary goal of Baldwin County in the use of CIAP funds. In addition, many of the activities also meet use #4, the implementation of a federally-approved marine, coastal, or comprehensive conservation management plan. Baldwin County recognizes the

importance of working with other agencies to address the many environmental concerns that face our area.

Mobile County Commission

The three categories of activities to be funded will be related to improving coastal access, implementation of Action Items included in the Comprehensive Conservation and Management Plan (CCMP) developed by the Mobile Bay National Estuary Program (MBNEP) and implementation of the Mobile County Coastal Resource Protection Program. Improving and controlling the public's access to coastal areas provides opportunities for education and outreach to instill the responsibility of stewardship shared by stakeholders. Providing increased public access and eco-tourism opportunities is also included in the Mobile Bay NEP CCMP. Additional CCMP action items included in the activities to be funded range from reducing opportunities for pathogen introduction to local waters to implementing public education and outreach projects. Activities that support the development and implementation of a Mobile County Resource Protection Program include the acquisition of parcels that contain sensitive habitats for conservation and obtaining equipment needed to manage the maintenance of such parcels.

❖ An Estimate of the Amount of Funds, by State and CPS, that will be Spent Annually on Each Authorized Use

Appendix F includes tables summarizing the title of each project, estimated cost of each project, and the estimated cost of each project broken down by spending estimate per calendar year of project duration, subtotal of all estimated costs by authorized use, and the total estimated cost for all authorized uses. There is a set of tables for Baldwin County, Mobile County, and the State of Alabama.

7. Proposed Project Lists

a. State of Alabama Tier 1 Projects

Project Number	Project Title	Project Cost
AL-1	Acquisition of Perdido River Longleaf Hills: South Addition	\$6,906,655.00
AL-2	Administration of the Coastal Impact Assistance Program	\$830,427.23 *
AL-3	Infrastructure Improvements at Key Nature-Based Tourism Areas (e.g. Grand Bay Observation Tower and Wetland Boardwalk)	\$500,000.00
AL-4	Weeks Bay National Estuarine Research Reserve Education and Multipurpose Building Construction	\$1,392,503.47
AL-5	Water-Based Nature Trail Development in Coastal Alabama	\$750,000.00
AL-6	GIS-based Inventory of Oil and Gas Leased Tracts Including Pipelines and Infrastructure	\$200,000.00
AL-7	Investigation and Control of Non-native Terrestrial Exotic and Nuisance Species in Designated Protected Areas	\$900,000.00
AL-8	Reintroduction of Native Vegetation in Areas Converted for Silvicultural or Agricultural Activities (e.g. reforestation of longleaf areas)	\$2,500,000.00
AL-8	Wetland restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River	\$500,000.00
AL-9	Equipment and Infrastructure Improvements to Enhance Land Conservation Management and Activities in Coastal Areas	\$642,503.46
AL-11	Restoration of Wildlife and Plant Communities to Habitat Disturbances	\$500,000.00
AL-12	Investigation of Restoration of Hydrology on Mobile Bay Causeway	\$500,000.00
AL-13	Gulf State Park Fishing Pier Reconstruction	\$4,000,000.00
AL-14	Gulf State Park Environmental Education Center	\$3,000,000.00
AL-15	Restoration of Gulf State Park Campground Vegetation	\$245,000.00
AL-16	Longleaf Pine Restoration at Gulf State Park	\$420,000.00
AL-17	Gulf State Park Land Management Program	\$750,000.00
AL-18	Freshwater Mollusk and Fish Enhancement and Restoration in Coastal River Systems	\$1,000,000.00
AL-19	Improvements to the Marine Resources Division's facilities at Claude Petet Mariculture Center in Gulf Shores	\$4,500,000.00

Project ID	Project Title	Project Cost
AL-20	Infrastructure Improvements to Marine Resource Division's facilities on Dauphin Island, Alabama to Facilitate Fisheries Management Research and Management of Coastal Resources	\$550,000.00
AL-21	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$100,000.00
AL-22	Expansion of Fisheries Data Collection and Purchase of Research and Construction Equipment to Extend the Marine Resource Division's Coastal Resource Management Capacity	\$1,530,000.00
AL-23	External Audit of Marine Resource Division's Biological Sampling and Analysis Programs	\$1,000,000.00
	TOTAL	\$33,217,089.16

***This amount included SLD oversight and is an amount equal to our annual Department assessment, or 2.5% of our budget**

B. Baldwin County Tier One Projects

Project Number	Project Title	Project Cost
BC-1	Erosion & Sediment Control	\$900,000.00
BC-2	Acquisition of Property for Conservation & Public Access	\$2,094,094.64
BC-3	Administration of the Coastal Impact Assistance Program	\$250,000.00
BC-4	Magnolia Landfill Methane Gas Collection System	\$650,000.00
BC-5	Comprehensive Land Use Plan Development	\$300,000.00
BC-6	Exotic Plant Species	\$100,000.00
BC-7	Coastal Dune Restoration	\$240,000.00
BC-8	Shoreline/Habitat Restoration	\$200,000.00
BC-9	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$250,000.00
BC-10	Enhancement of Existing Public Accesses	\$1,000,000.00
BC-11	Acquisition of Property for Boating Access	\$2,000,000.00
	TOTAL	\$7,984,094.64

c. Mobile County Tier One Projects

Project Number	Project Title	Project Cost
MC-1	Administration of the Coastal Impact Assistance Program	\$362,030.28
MC-2	Mobile County River Delta Tourism and Welcome Center Improvements	\$1,527,000.00
MC-3	Escatawpa Hollow River Park Acquisition and Improvements	\$2,000,000.00
MC-4	Heron Bay Cut-Off Access Improvements	\$825,000.00
MC-5	Dauphin Island Campground Improvements	\$200,000.00
MC-6	Dauphin Island Bicycle Trail Repair	\$95,000.00
MC-7	Household Hazardous Waste Collection Events	\$500,000.00
MC-8	Mobile County Greenprint Project	\$73,000.00
MC-9	Fowl River Shoreline Property Purchase	\$900,000.00
MC-10	Sensitive Habitat Restoration and Enhancement of County-owned Property	\$450,000.00
MC-11	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$250,000.00
MC-12	North Mobile County Wastewater Facilities	\$1,500,000.00
MC-13	Bayfront Park Improvements	\$275,000.00
MC-14	Coastal Research Weather Stations	\$145,000.00
MC-15	West Mobile County Conservation Property Acquisition	\$800,000.00
	TOTAL	\$9,902,030.28

d. State of Alabama Tier Two Projects

Project Number	Project Title	Project Cost
AL2-1	Biodiversity Inventories in Designated Protected Areas of Coastal Alabama	\$500,000.00
AL2-2	Monitor "at risk" Native Animal and Plant Communities (e.g. railid inventory as salt marsh indicator)	\$200,000.00
AL2-3	Development of Public Education and Outreach Materials and Equipment for Coastal Activities (e.g. water quality kiosk at Five Rivers, pontoon boat for educational field trips)	\$1,250,000.00
AL2-4	Implement and Expand Prescribed Burning Program	\$100,000.00
AL2-5	Expand Graduate Research Program at Weeks Bay National Estuarine Research Reserve	\$125,000.00
AL2-6	Expand Summer Curriculum for Elementary, High-school, and College students at Weeks Bay and Five Rivers	\$40,000.00
AL2-7	Alabama Coastal Area Management Plan Web Portal	\$50,000.00
AL2-8	Removal of Derelict Structures in Waterways from Hurricanes	\$250,000.00
AL2-9	Support of Natural Resource Damage Assessment Program (NRDA) in Coastal Alabama	\$400,000.00
AL2-10	Land Acquisition in the MTD (Honeycutt Bluffs and N.Q. Adams tracts)	\$5,000,000.00
AL2-11	Land Acquisition in the Escatawpa River Corridor and Grand Bay	\$5,000,000.00
AL2-12	Land Acquisition in the Red Hills (Molpus and Hancock Phase 1)	\$10,730,000.00
AL2-13	Ben May 10 Purchase (connects Mobile-Tensaw Delta to Perdido River)	\$11,000,000.00
AL2-14	Land Acquisition for Coastal Parcels not Eligible in the Forever Wild Program	\$5,000,000.00
AL2-15	Artificial Reefs Construction and Research and Development	\$1,000,000.00
AL2-16	Purchase of Land for Working Waterfront	\$5,000,000.00
AL2-17	Outreach for Local Marine Conservation Awareness Public Service Announcements	\$200,000.00
AL2-18	Communication Equipment for Storm Events	\$60,000.00
AL2-19	Dauphin Island Causeway Restoration, Protection, and Public Access Project Partnership	\$2,000,000.00
AL2-20	Renovation of Coastal Design Studio	\$250,000.00
AL2-21	Alabama Public Awareness Campaign	\$500,000.00

Project ID	Project Title	Project Cost
AL2-22	Upgrade of Land and Hydrographic Surveying Equipment	\$156,000.00
AL2-23	Bathymetric, Seismic, and Vibracore Survey of Federal Waters	\$1,150,000.00
AL2-24	Development of GIS-based Applications and Digital Data to Assist in Management of Alabama's Coastal Resources	\$675,000.00
AL2-25	Global Warming and Alabama Coastlines	\$85,000.00
AL2-26	Enhanced Groundwater Monitoring Program for Alabama Coastal Counties	\$150,000.00
AL2-27	Equipment Enhancement Grant for Geochemical Laboratory	\$250,000.00
AL2-28	Coastal Fishing Guide and Educational Outreach of Geological Issues in Alabama	\$400,000.00
AL2-29	Offshore Geophysical Imaging of Coastal Resources	\$593,000.00
AL2-30	Improvements to Marine Infrastructure to Improve Oil and Gas Board Regulatory and Enforcement Capacity	\$45,000.00
AL2-31	Erosion study of Coastal Alabama	\$250,000.00
AL2-32	Boat for Coastal Surveying and Sample Collection	\$70,000.00
AL2-33	Boat for Coastal Surveying and Sample Collection	\$70,000.00
AL2-34	Professional Design and Planning of Safe Harbor Facilities for Commercial Fishing Fleets	\$500,000.00

e. Baldwin County Tier Two Projects

Project Number	Project Title	Project Cost
BC2-1	Erosion Control Equipment for Highway Department	\$480,000.00
BC2-2	Enhancement of Recycling Facility at Magnolia Landfill	\$300,000.00
BC2-3	Household Hazardous Waste Amnesty Day	\$150,000.00
BC2-4	Water & Wastewater Infrastructure Study	\$90,000.00

f. Mobile County Tier Two Projects

Project Number	Project Title	Project Cost
MC2-1	North Mobile County Conservation Property Acquisition	\$1,000,000.00
MC2-2	South Mobile County Conservation Property Acquisition	\$1,000,000.00
MC2-3	Beach and Sand Cleaning Equipment	\$95,000.00
MC2-4	South Mobile County Decentralized Wastewater Facilities	\$2,500,000.00
MC2-5	Dauphin Island Causeway Restoration, Protection, and Public Access Project Partnership	\$1,000,000.00
MC2-6	West Mobile County Decentralized Wastewater Facilities	\$2,500,000.00
MC2-7	Theodore Ship Channel Boat Access	\$1,000,000.00
MC2-8	Erosion & Sediment Control	\$2,500,000.00
MC2-9	Mobile County Land Use Plan	\$300,000.00
MC2-10	Establishment of a Mobile County Recycling Facility	\$1,000,000.00
MC2-11	Erosion Control Equipment for Public Works Department	\$480,000.00
MC2-12	Communication Equipment for Storm Events	\$60,000.00

8. PROPOSED TIER ONE PROJECT DESCRIPTIONS

a. State of Alabama Tier One Project Descriptions

Project Number	Project Name
AL-1	Acquisition of Perdido River Longleaf Hills: South Addition
AL-2	Administration of the Coastal Impact Assistance Program
AL-3	Infrastructure Improvements at Key Nature-Based Tourism Areas (e.g. Grand Bay Observation Tower and Wetland Boardwalk)
AL-4	Weeks Bay National Estuarine Research Reserve Education and Multipurpose Building Construction
AL-5	Water-Based Nature Trail Development in Coastal Alabama
AL-6	GIS-based Inventory of Oil and Gas Leased Tracts Including Pipelines and Infrastructure
AL-7	Investigation and Control of Non-native Terrestrial Exotic and Nuisance Species in Designated Protected Areas
AL-8	Reintroduction of Native Vegetation in Areas Converted for Silvicultural or Agricultural Activities (e.g. reforestation of longleaf areas)
AL-8	Wetland restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River
AL-9	Equipment and Infrastructure Improvements to Enhance Land Conservation Management and Activities in Coastal Areas
AL-11	Restoration of Wildlife and Plant Communities to Habitat Disturbances
AL-12	Investigation of Restoration of Hydrology on Mobile Bay Causeway
AL-13	Gulf State Park Fishing Pier Reconstruction
AL-14	Gulf State Park Environmental Education Center
AL-15	Restoration of Gulf State Park Campground Vegetation
AL-16	Longleaf Pine Restoration at Gulf State Park
AL-17	Gulf State Park Land Management Program
AL-18	Freshwater Mollusk and Fish Enhancement and Restoration in Coastal River Systems
AL-19	Improvements to the Marine Resources Division's facilities at Claude Petet Mariculture Center in Gulf Shores
AL-20	Infrastructure Improvements to Marine Resource Division's facilities on Dauphin Island, Alabama to Facilitate Fisheries Management Research and Management of Coastal Resources
AL-21	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama
AL-22	Expansion of Fisheries Data Collection and Purchase of Research and Construction Equipment to Extend the Marine Resource Division's Coastal Resource Management Capacity
AL-23	External Audit of Marine Resource Division's Biological Sampling and Analysis Programs

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Acquisition of Perdido River Longleaf Hills: South Addition**

PROJECT NUMBER: **AL-1**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard Spanish Fort, Alabama 36527	Montgomery, Alabama 36130
Telephone	(251) 625-0814	(334) 242-3484
Fax	(251) 625-0864	(334) 242-0999
E-mail	cara.stallman@dcnr.alabama.gov	greg.lein@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: **Perdido River Corridor, East Baldwin County, AL**

DURATION: **2008**

ESTIMATED COST: **\$6,906,655.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$6,906,655.00

The Perdido River forms most of the eastern boundary between Baldwin County, Alabama, and Florida. The Perdido River is one of the highest quality, free-flowing blackwater river systems in the Gulf Coastal

Plain. The forests along the river corridor include slash pine flatwoods, pitcher plant seepage bogs, longleaf pine forests, and Atlantic whitecedar swamps. The Perdido River has incredible water clarity and provides high quality fresh water to Perdido Bay, which is home to an abundant diversity of estuarine life, including dwarf seahorses, dolphins, manatees, and coastal arch grasses. The Perdido River contains numerous, large beach quality sandbars at nearly every curve in the river. Lands along the Perdido River corridor are utilized by hundreds of species of neotropical migratory birds as feeding and resting sites during spring and fall migrations.

In early 2006, The Nature Conservancy (TNC) purchased 14,119 acres along the Perdido River from International Paper Corporation. Subsequently, in December of 2006 the State of Alabama purchased 9,323 acres of this tract from TNC using funding from the State of Alabama's Forever Wild program, 2001 CIAP funds, and funding from the Coastal and Estuarine Land Conservation Program administered by NOAA. The objective of this project is to purchase the remaining acreage of this tract (approximately 4,796 acres) from The Nature Conservancy. A closing date will be scheduled and the title will be transferred soon after CIAP plan approval.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project. However previous phases of this acquisition utilized funds from the Coastal and Estuarine Land Conservation Program, 2001 CIAP, Forest Legacy and the State of Alabama Forever Wild Program.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Administration of the Coastal Impact Assistance Program**

PROJECT NUMBER: **AL-2**

PROJECT CONTACT:

	Primary Contact
Name	Will Brantley, State Lands Manager
Address	Alabama State Lands Division
	Department of Conservation and Natural Resources
	64 North Union Street
	Montgomery, Alabama 36130
Telephone	(334) 242-3484
Fax	(334) 242-0999
E-mail	will.brantley@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: **N/A**

DURATION: **2008-2011**

ESTIMATED COST: **\$830,427.23**

*This amount includes SLD oversight and is an amount equal to the annual Department assessment, or 2.5% of the budget

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$651,882.65

2009 - \$178,544.58

This project will encompass all aspects of CIAP administration including grant oversight, contract management, public education/outreach, engineering support, and accounting services. As necessary, external contractors will be employed to aid in successful implementation of the State of Alabama CIAP.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #3: planning assistance and the administrative costs of complying with CIAP;
- Justification: Administrative costs meet the definition of the Authorized Use.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Infrastructure Improvements at Key Nature-Based Tourism Areas (e.g. Grand Bay Observation Tower and Wetland Boardwalk)**

PROJECT NUMBER: **AL-3**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Chris Smith, State Lands Manager
Address	Alabama State Lands Division	Alabama State Lands
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard	
	Spanish Fort, Alabama 36527	Montgomery, Alabama 36130
Telephone	(251) 625-0814	(334) 242-3484
Fax	(251) 625-0864	(334) 242-0999
E-mail	cara.stallman@dcnr.alabama.gov	chris.smith@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Grand Bay Savanna in southwestern Mobile County, Mobile Tensaw Delta, Perdido River corridor in eastern Baldwin County, and Lillian Swamp in southeastern Baldwin County

DURATION: 2008-2011

ESTIMATED COST: \$500,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$125,000.00

2009 - \$125,000.00

2010 - \$125,000.00

2010 - \$125,000.00

This project will provide capital improvement projects at select sites presently being used or planned for nature-based tourism activities throughout coastal Alabama. These sites include the Grand Bay savanna, Lillian swamp, Perdido River Tract and Mobile-Tensaw Delta. Recent Coastal Birding Festival tours have demonstrated the Grand Bay Savanna site to be a very popular destination for birding programs. However, this site lacks viewing towers, boardwalks and other simple amenities offered at similar birding locations through coastal Alabama. The development of several non-obtrusive structures that support and improve these forms of nature based tourism will improve opportunities for future coastal bird festival tours, as well as individual based tourism activity. Both forms of tourism support local coastal community economies, and provide additional examples for the protection and management of these natural resources (i.e., the acquisition of key parcels within the Grand Bay savanna). The objective of this project is to construct four low impact capital improvement projects throughout coastal Alabama at designated protected areas. These improvements could include boardwalks, kiosks, and trail markers.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a Federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In April of 2002 the Environmental Protection Agency approved the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan (MBNEP CCMP). The action plan objective HU-C1 states: *"Increase public access and ecotourism opportunities."* Construction of key nature-based tourism areas will clearly meet this objective.

In addition to the MBNEP CCMP, the Alabama Coastal Management Plan (ACAMP) states the following as a Management Program Policy Statement under Resources of the Coastal Area: *"It is the policy of the Alabama Coastal Area Management Program to encourage the development of low impact, environmentally sensitive or ecotourism activities such as birding, nature trails and wetland boardwalks and parks."* Construction of key nature-based tourism areas will clearly meet this objective.

- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Weeks Bay National Estuarine Research Reserve Education and Multipurpose Building Construction**

PROJECT NUMBER: **AL-4**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Phillip Hinesley, Chief Coastal Section
Address	Alabama State Lands Division	Alabama State Lands Division, Coastal Section
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	Five Rivers Alabama's Delta Resource Center
	30945 Five Rivers Boulevard	31115 Five Rivers Boulevard
	Spanish Fort, Alabama 36527	Spanish Fort, Alabama 36527
Telephone	(251) 625-0814	(251) 621-1216
Fax	(251) 625-0864	(251) 621-1331
E-mail	cara.stallman@dcnr.alabama.gov	phillip.hinesley@dcrn.alabama.gov

PROJECT SUMMARY

LOCATION: Weeks Bay Reserve, Fairhope, AL

DURATION: 2008

ESTIMATED COST: \$1,392,503.47

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$1,392,503.47

The Weeks Bay Estuarine Research Reserve is located in southwest Baldwin County and is managed through the Coastal Section of the State Lands Division of the Alabama Department of Conservation and Natural Resources. Its mission is to provide leadership to promote informed management of estuarine and coastal habitats through scientific understanding and encourage good stewardship practices through partnerships, public education, and outreach programs. Thousands of visitors and students come to this facility every year. The State of Alabama plans to expend CIAP funds to construct an Education and Multipurpose Building. This building will be located immediately adjacent to the confluence of Weeks Bay and Fish River and its objective is to provide classroom and meeting space at the Reserve. CIAP funds will be used in conjunction with capital improvement funding from NOAA to complete the construction of this building.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In May of 2007 the National Atmospheric and Oceanic Administration (NOAA) approved the Weeks Bay Management Plan. This plan outlines several action items for capital improvements at the Reserve. Specifically, the Weeks Bay Management Plan includes a strategic plan which recommended goals and strategies for the future of Weeks Bay and the Weeks Bay National Estuarine Research Reserve. Strategy 2 states the Reserve will “Establish a specially equipped, multipurpose building for environmental education”.
- Cost Sharing: A National Estuarine Research Reserve (NERR) capital improvement grant from NOAA (\$300,000.00) will be used in conjunction with CIAP funds to construct the Education and Multipurpose Building.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Water-Based Nature Trail Development in Coastal Alabama**

PROJECT NUMBER: **AL-5**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Chris Smith, State Lands Manager
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard	
	Spanish Fort, Alabama 36527	Montgomery, Alabama 36130
Telephone	(251) 625-0814	(334) 242-3484
Fax	(251) 625-0864	(334) 242-0999
E-mail	cara.stallman@dcnr.alabama.gov	chris.smith@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: **Mobile-Tensaw Delta, Perdido River, and Coastal Alabama**

DURATION: **2008-2010**

ESTIMATED COST: **\$750,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$250,000.00

2009 - \$250,000.00

2010 - \$250,000.00

This project consists of three major projects: the expansion of the Bartram Canoe Trail in the Mobile-Tensaw Delta, the creation of the Perdido River Canoe Trail, and the establishment of the Alabama Coastal Kayaking Trail.

- *Bartram Canoe Trail Expansion:* The Alabama Department of Conservation and Natural Resources State Lands Division constructed the Bartram Canoe Trail as a 2001 CIAP project. The canoe trail is located in the northern Mobile-Tensaw Delta (i.e. north of Interstate 65) and provides day and overnight canoe routes. Signs were installed along the routes and camping sites and platforms were constructed. Also, a brochure and map of the trail was published and widely distributed. This project has been extremely successful as the trail has been used by a variety of users from experienced paddlers to Girl Scout/Boy Scout troops. The State of Alabama will expand the Bartram Canoe Trail to include the southern Mobile-Tensaw Delta (i.e. south of Interstate 65). This section would add floating platforms to support overnight camping routes, dock and piers to aid in launching from put in locations. In addition, signage and additional brochures will also be published. The objective of this project is to link Five Rivers Alabama's Delta Resource Center as a key entry and exit point of the canoe trail and to construct at least 100 miles of trails. Also, we hope to incorporate at least three other key entry and exit point locations to the trail. These locations could include Chickasabogue Park, Dead Lake Marina, Byrnes Lake Landing, and Blakely State Park.
- *The Perdido River Canoe Trail:* The objective of this project is to establish a canoe trail along the Perdido River, adjacent to State-owned land along the Perdido River corridor. The river forms most of the boundary between the State of Florida and Baldwin County and has numerous recreational opportunities, specifically for canoeing and kayaking as the river contains numerous, large beach quality sandbars in addition to scenic Atlantic White Cedar Swamps. First, this project would scope out a master plan and locate sites suitable for overnight camping and camping platforms. Log jams from recent hurricanes will be identified and infrastructure improvements at key entry and exit points will be improved. The goal of this project is to construct 25 miles of canoe trails along the Perdido River, including infrastructure improvements, signs, maps, and other associated expenses.
- *Alabama Coastal Kayaking Trail:* The objective of this project is to establish a kayaking trail similar to the Bartram Canoe Trail on coastal Alabama waters. First, this project would scope out a master plan and locate sites suitable for overnight camping and camping platforms. Subsequently, the infrastructure improvements would be constructed. Next, proper signage would be installed – both on land in the water and brochures and maps would be published. Key entry and exit points along the trail will include the city of Bayou La Batre, Dauphin Island Sea Lab, Gulf Shores State Park, Fort Morgan, Bon Secour National Wildlife Refuge, Five Rivers Alabama's Delta Resource Center and the Weeks Bay National Estuarine Research Reserve. Also, county and city waterfront parks could be incorporated into the trail. The goal of this project is to construct at least 50 miles of trails including single day and multi-day expeditions. This effort would help promote the resource conservation and enhance ecotourism opportunities in coastal Alabama.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a Federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In April of 2002 the Environmental Protection Agency approved the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan (MBNEP CCMP). The action plan objective HU-C1 states: *“Increase public access and ecotourism opportunities.”* Construction of water-based nature trails clearly meets this objective.

In addition to the MBNEP CCMP, the Alabama Coastal Management Plan (ACAMP) states the following as a Management Program Policy Statement: *“It is the policy of the Alabama Coastal Area Management Program to safeguard public access and to and use of coastal lands and waters such as beaches and shoreline, boat landings, and fishing grounds. Further is it the policy of the Management Program to encourage development of additional recreational opportunities and public access to enhance the well-being of Alabama citizens and visitors.”* Construction of water-based nature trails clearly meets this objective.

- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **GIS-based Inventory of Oil and Gas Leased Tracts Including Pipelines and Infrastructure**

PROJECT NUMBER: **AL-6**

PROJECT CONTACT (s):

	Primary Contact
Name	Will Brantley, State Lands Manager
Address	Alabama State Lands Division
	Department of Conservation and Natural Resources
	64 North Union Street
	Montgomery, Alabama 36130
Telephone	(334) 242-3484
Fax	(334) 242-0999
E-mail	will.brantley@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: **N/A**

DURATION: **2008**

ESTIMATED COST: **\$200,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$200,000.00

The purpose of the project is to develop a GIS/IMS system based on synthesizing various layers of onshore and offshore oil and gas fields, leases, pipelines and other related features. The system will assist natural resource managers in evaluating the impact of coastal onshore and offshore oil and gas-related

activities and infrastructure. The output will be an integrated, comprehensive oil and gas database which will also be made available in a spatial manner via an Internet Map Server system.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #5: mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.
- Justification: Understanding the location and extent of offshore oil and gas fields, leases, pipelines, and other features is integral in implementing effective management and conservation of state resources and complements OCS activities as well.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Investigation and Control of Non-native Terrestrial Exotic and Nuisance Species in Designated Protected Areas**

PROJECT NUMBER: **AL-7**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard	Montgomery, Alabama 36130
	Spanish Fort, Alabama 36527	
Telephone	(251) 625-0814	(334) 242-3484
Fax	(251) 625-0864	(334) 242-0999
E-mail	cara.stallman@dcnr.alabama.gov	greg.lein@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Designated Protected Areas throughout coastal Alabama

DURATION: 2008 – 2011

ESTIMATED COST: \$900,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$225,000.00

2009 - \$225,000.00

2010 - \$225,000.00

2010 - \$225,000.00

The objective of this project is to control 1000 acres per year of invasive exotic species in designated protected terrestrial areas throughout coastal Alabama. Except for direct habitat loss, invasive exotic plant species pose the greatest threat to coastal Alabama's natural habitat and native plant species. In the coastal area of Alabama there are several terrestrial invasive exotics in need of management. These plants include: cogon grass (*Imperata cylindrica*), Chinese privet (*Ligustrum sinense*), and Chinese talo (*Sapium sebiferum*). The State Lands Division has successfully managed exotics using a variety of methods including herbicide and mechanical harvesting. Our field staff identifies areas in need of treatment and conducts spot applications of natural areas. The goal of this project is to spot treat 1000 acres of designated protected area per project year for a total of 4000 treated acres. Costs associated with this project include labor, herbicide, and equipment. In addition, the SLD would like to initiate studies which will better understand the origin of particular nuisance species in order to identify better management strategies. At least one plant genetic study will be initiated as a part of this project.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a Federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In November of 2005, the U.S. Fish and Wildlife Service approved the Alabama Comprehensive Wildlife Conservation Strategy (ACWCS). In Chapter 4, Conservation Actions, Statewide Conservation Action S-19 states “*Exclude, and when necessary and feasible, remove exotic plant and animal species. If, and where, herbicides are necessary to remove exotic plants, use spot applications instead of widespread aerial applications ... The threat of impacts of exotic species will be reduced by such exclusion and/or removal and will minimize the threat of improper use of herbicides*”. Treatment of exotic species in designated protected areas meets the objective of this action item.

In April of 2002 the Environmental Protection Agency approved the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan (MBNEP CCMP). The action plan objective LR-B1 states: “*Identify species and develop management plans for each plant and animal nuisance species to dampen or control negative effects on habitats and/or water quality within the Mobile Bay NEP area, thus restoring ecological relationships*.” Investigation of the origin of nuisance species will meet the objective of this action item.

- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Reintroduction of Native Vegetation in Areas Converted for Silvicultural or Agricultural Activities (e.g. reforestation of longleaf areas)**

PROJECT NUMBER: **AL-8**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Will Brantley, State Lands Manager
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard Spanish Fort, Alabama 36527	Montgomery, Alabama 36130
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PROJECT SUMMARY

LOCATION: **Designated Protected Areas throughout coastal Alabama**

DURATION: **2008 – 2011**

ESTIMATED COST: **\$2,500,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$625,000.00

2009 - \$625,000.00

2010 - \$625,000.00

2010 - \$625,000.00

Agricultural and silvicultural practices have removed native vegetation to plant crops or merchantable lumber. Re-establishment of native vegetation through intense planting will restore impacted areas. Specifically, the SLD owns and manages thousands of acres converted from Longleaf pine to slash or loblolly pine. This project proposes to harvest the merchantable timber minimizing soil disturbance. Next, the site will be prepared for planting and treated with herbicide. The site will be burned to prepare for planting. Next, longleaf pine seedlings will be planted according to published guidelines. In addition to longleaf pine, other plants will be reintroduced into their native habitats throughout a variety of ecosystem types. The objective of this project is to restore 5000 acres of natural communities of designated protected areas throughout coastal Alabama. In addition, this project will plant hardwood trees in the Mobile-Tensaw Delta, specifically in areas where former hunting camps were located.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: Restoration of native plant communities will restore coastal areas.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Wetland restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River**

PROJECT NUMBER: **AL-9**

PROJECT CONTACT (S):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
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PROJECT SUMMARY

LOCATION: Coastal Alabama
DURATION: 2008-2011
ESTIMATED COST: \$500,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$125,000.00
2009 - \$125,000.00
2010 - \$125,000.00
2010 - \$125,000.00

Hydrologic changes in a wetland ecosystem can change the functioning of a wetland in the landscape. Hydrologic conditions in various wetland areas in coastal Alabama have been altered throughout time to extract timber, drain farmland, or create more developable land. This project will research the impacts of these alterations at an ecosystem-scale in order to create successful restoration strategies. Subsequent on-the-ground restoration projects will be implemented resulting in restored wetland ecosystems. For example, ditches constructed for logging activities in the last two centuries will be plugged in the Mobile-Tensaw Delta. The objective of this project is to restore at least several hundred acres of bottomland hardwood swamp in the delta. In addition, at least 2 scientific investigations will be initiated and completed throughout the course of this project. These studies will address future restoration strategies for all conservation property in the Mobile Tensaw Delta.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will restore wetlands and will provide for more informed decision-making in order to initiate successful wetland restoration activities.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Equipment and Infrastructure Improvements to Enhance Land Conservation Management and Activities in Coastal Areas**

PROJECT NUMBER: **AL-10**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008

ESTIMATED COST: \$642,503.46

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$642,503.46

This project will acquire two pieces of equipment to increase the State Lands Division's capacity to manage land in designated protected areas in the coastal area. First, a horizontal grinder will be acquired

to allow a cost-effective and environmentally friendly mechanism to construct trails and fire lines in designated protected areas. An amphibious excavator will also be purchased to allow clearing of fire lines in extremely wet areas, where other equipment is not functional. All necessary appurtenances and attachments of this equipment will be included.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire equipment which will aid in the restoration and improved management of coastal areas.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Restoration of Wildlife and Plant Communities to Habitat Disturbances**

PROJECT NUMBER: **AL-11**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Jo Lewis, Heritage Section Chief
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: Designated protected areas throughout coastal Alabama

DURATION: 2008 – 2011

ESTIMATED COST: \$500,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$125,000.00

2009 - \$125,000.00

2010 - \$125,000.00

2010 - \$125,000.00

This project will investigate and restore wildlife and plant communities throughout designated protected areas in coastal Alabama. In order to create the conditions suitable for native plants and animals, controlled burns will be reestablished in areas that have not been burned regularly. In addition to burning, select species will be restored to carrying capacity. For example, gopher tortoises can be relocated, specifically to property in Grand Bay and along the Perdido River. Other habitat enhancement capacity will be constructed and installed, such as bat boxes and bird houses for warblers. The objective of this project is to develop and implement restoration strategies for at least three plant and animal taxa in designated protected areas throughout coastal Alabama.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification: This project will restore plant and wildlife communities.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Investigation of Restoration of Hydrology on Mobile Bay Causeway**

PROJECT NUMBER: **AL-12**

PROJECT CONTACT (s):

	Primary Contact
Name	Cara Stallman, Natural Resource Planner
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PROJECT SUMMARY

LOCATION: Mobile Bay Causeway, Spanish Fort, Alabama

DURATION: 2008 – 2011

ESTIMATED COST: \$500,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$250,000.00

2009 - \$250,000.00

The Mobile Bay Causeway was constructed in 1927 to link Baldwin County to Mobile County. It was the last section of roadway constructed to link US Highway 90 between Jacksonville, Florida and Sacramento,

California. Large areas of open water/marsh habitat were filled with dredged material in order to provide a base for the roadway. Today, a land bridge still exists in certain areas which impede flow between area north and south of the Causeway. There is evidence the environmental impact of this dike has altered water flow between these two areas, resulting in less mixing of salt and fresh waters. Several studies have investigated general opportunities to restore some of the land crossings through the construction of bridges. Specifically, in 2001 the U.S. Army Corps of Engineers (USACE) published the *Upper Mobile Ecosystem Restoration Project – Proposed Modification to U.S. Highway 90 (Causeway)*. As a follow-up to this report, the USACE published a *Preliminary Restoration Plan* in 2003. The objective of this project is to further investigate restoration opportunities by conducting further research which will address specific restoration issues; specifically sediment cores will be collected and analyzed for toxins on both the north and south sides of the Causeway.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will investigate restoration opportunities to restore wetlands north and south of the Mobile Bay Causeway.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Gulf State Park Fishing Pier Reconstruction**

PROJECT NUMBER: **AL-13**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Carl Scardina, Natural Resources Chief
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PROJECT SUMMARY

LOCATION: Gulf State Park, Gulf Shores, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$4,000,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$4,000,000.00

The Gulf State Park Fishing Pier is located in Gulf State Park, in the city of Gulf Shores, Alabama. It is managed by State Parks Division of the Department of Conservation and Natural Resources. The park

mission is to develop, furnish, operate and maintain recreational facilities for the safe use and enjoyment of state residents and tourists alike. As part of this mission the park strives to extend the public’s knowledge, understanding, respect and appreciation of the coastal environment through a wide variety of public environmental educational opportunities, programs, activities and events. The State of Alabama plans to expend CIAP funds to reconstruct the Gulf State Park, Gulf Fishing Pier that was destroyed by Hurricane Ivan, to further enhance both public fishing and environmental opportunities.

A former pier was destroyed by Hurricane Ivan in 2004. It was 14-feet wide and 875-feet long with a 20-foot octagon on the end. A small restroom, bait shop and pavilion existed at the pier entrance. This pier, prior to destruction by the hurricane, accommodated approximately 190,000 guests (anglers and sight seers) annually. The proposed new pier will be 20-feet wide and 1510-feet long with a small octagon at the halfway point (complete with restroom facilities) and a much larger octagon at the end of the pier to enhance the fishing and sight-seeing opportunities. At the pier entrance a 75-foot by 75-foot pavilion, refreshment area, bait and tackle shop and restroom facility will also be constructed. The pier is expected to host more than 400,000 guests annually for exceptional fishing and coastal environmental experiences. It will be constructed to withstand increased wave energy and wind speed from future storm events.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In April of 2002 the Environmental Protection Agency approved the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan (MBNEP CCMP). The action plan HU-C1 states: *“Increase public access and ecotourism opportunities.”* Reconstruction of the Gulf State Park Pier will clearly enhance public access and ecotourism in coastal Alabama.

In addition to the MBNEP CCMP, the Alabama Coastal Management Plan (ACAMP) states the following as a Management Program Policy Statement: *“It is the policy of the Alabama Coastal Area Management Program to safeguard public access and use of coastal lands and waters such as beaches and shoreline, boat landings, and fishing grounds. Further is it the policy of the Management Program to encourage development of additional recreational opportunities and public access to enhance the well-being of Alabama citizens and visitors.”* Reconstruction of the Gulf State Park Pier will implement the public access objective in the ACAMP.

- Cost Sharing: The other resources to complete this project are listed below:

FEMA:	\$2,335,691.00
Insurance:	\$1,164,309.00
State Park Bond Issue:	\$1,500,000.00
State of Alabama CIAP:	\$4,000,000.00
Total Project Cost	\$9,000,000.00

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Gulf State Park Environmental Education Center**

PROJECT NUMBER: **AL-14**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Carl Scardina, Natural Resources Chief
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	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: **Gulf State Park, Gulf Shores, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$3,000,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$500,000.00 (engineering and design)

2009 - \$2,500,000.00 (construction)

The objective of this project is to construct an Environmental Education Center within the boundaries of Gulf State Park. This facility will be managed by the existing naturalist staff of Gulf State Park of the State Parks Division of the Department of Conservation and Natural Resources. The park mission is to develop, furnish, operate and maintain recreational facilities for the safe use and enjoyment of state residents and tourists alike. As part of this mission the park strives to extend the public's knowledge, understanding, respect and appreciation of the coastal environment through a wide variety of public environmental education opportunities, programs, activities and events. This building will replace the inadequate park structures (also damaged/destroyed by the hurricane) that had previously served to fulfill the need for providing coastal environmental education programs, activities and events.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project meets the criteria set forth in Authorized Use #1 and #4. An environmental education nature center will promote the “conservation, protection, or restoration of coastal areas, including wetland (Authorized Use #1). In addition, this project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan. In April of 2002 the Environmental Protection Agency approved the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan (MBNEP CCMP). The action plan EP1-A1 states: “*Enhance public education and outreach.*” Also, the action plan HU-C1 states: “*Increase public access and ecotourism opportunities.*” Construction of an environmental education center at the Park meets both of these objectives.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Restoration of Gulf State Park Campground Vegetation**

PROJECT NUMBER: **AL-15**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Carl Scardina, Natural Resources Chief
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	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
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E-mail	cara.stallman@dcnr.alabama.gov	carl.scardina@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Gulf State Park, Gulf Shores, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$245,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$98,000.00

2009 - \$49,000.00

2010 - \$49,000.00

2011 - \$49,000.00

This project will consist of re-vegetating 76 acres within the Gulf State Park campground with native trees and shrubs. As a result of storm surge associated with Hurricanes Ivan and Katrina, and subsequent salt water intrusion, all plant communities including mature trees have been damaged or killed within the campground. This project is designed to replant 19 acres per year over a five year period using native, endemic trees, shrubs and plants. This project will improve aesthetics, provide shade for campers, and enhance wildlife by providing food and habitat cover. Acreage impacted will be campsites, roadside right of way and border zones between travel corridors. The time line associated will be one planting cycle per year for five years. The first phase was completed in April 2007. Subsequent planting will plant 19 acres annually for the remaining project period.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification This project will mitigate damage caused by storm surge and saltwater intrusion directly caused by Hurricanes Ivan and Katrina.;
-
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Longleaf Pine Restoration at Gulf State Park**

PROJECT NUMBER: **AL-16**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Carl Scardina, Natural Resources Chief
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PROJECT SUMMARY

LOCATION: Gulf State Park, Gulf Shores, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$420,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$279,000.00

2009 - \$141,000.00

Gulf State Park consists of over 6000 areas of coastal habitat located directly adjacent to the Gulf of Mexico between the cities of Gulf Shores and Orange Beach. A combination of hurricane impacts, the absence of a regular prescribed burning regime, the introduction of exotic invasive species, and an absence of silvicultural management have resulted, over time, in the undesirable species composition within the natural forested areas of the park. The goal of this project is to restore 228 acres of the park to its original longleaf pine/wiregrass community. Specifically, this project will remove fallen timber as a result of the recent hurricanes. Restoration efforts will include mechanical removal of non desirable species, herbicide application, site preparation, and planting of native vegetation. Prescribed burning will also be introduced in the areas. This project will enhance plant and animal species of State Special Concern and federal protection following the guidelines of the Alabama Comprehensive Wildlife Conservation Strategy (CWCS). This project will also allow the Division to further enhance an existing former red cockaded woodpecker (RCW) zone in the northeast portion of the park. Two phases of the project will be implemented: First a 128-acre site will be prepped and planted following by a subsequent 100-acre site.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will restore areas to native longleaf pine communities Gulf State Park.
- Cost Sharing: The State Parks Division has acquired other funding sources to complement the goal of this project: These funds will be used in other areas to accomplish more acreage of restoration.

National Fish and Wildlife Foundation	\$64,000.00
State of Alabama State Wildlife Grant	\$25,000.00

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Gulf State Park Land Management Program**

PROJECT NUMBER: **AL-17**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Carl Scardina, Natural Resources Chief
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	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
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PROJECT SUMMARY

LOCATION: Gulf State Park, Gulf Shores, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$750,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$187,500.00

2009 - \$187,500.00

2010 - \$187,500.00

2011 - \$187,500.00

The goal of this project is to construct seven (7) miles of four-wheel drive access roads into previously inaccessible park areas for the purpose of long term natural resource management. Most of these areas are inaccessible due to fallen timber as a result of Hurricanes Ivan and Katrina. This project will allow for the construction of these roads in an environmentally-sensitive manner and will provide multiple functions and benefits including increased wildlife protection and enhanced land management opportunities. Most of the areas have not been accessed by park staff and increased accessibility will aid in management of fish, plant and wildlife species. This project will augment research and restoration of threatened species and species of conservation concern. These roads will serve as fire breaks and aid in wildfire suppression and prescribed burning. Last, this project will create opportunities for environmental education in the remote areas of the park.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will restore remote areas in Gulf State Park.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Freshwater Mollusk and Fish Enhancement and Restoration in Coastal River Systems**

PROJECT NUMBER: **AL-18**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Dr. Paul Johnson, Program Supervisor
Address	Alabama State Lands Division	Alabama Wildlife and Freshwater Fisheries Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	Alabama Aquatic Biodiversity Center
	30945 Five Rivers Boulevard	Montgomery, Alabama 36130
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PROJECT SUMMARY

LOCATION: Alabama Aquatic Biodiversity Center, Marion, Alabama, and field locations in Baldwin and Mobile counties.

DURATION: 2008-2011

ESTIMATED COST: \$1,000,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$400,000.00
2009 - \$200,000.00
2010 - \$200,000.00
2011 - \$200,000.00

This project will undertake large-scale recovery activities for freshwater mussel and other aquatic species populations in the Gulf Coastal drainages of Baldwin and Mobile counties. The 4-year effort seeks to augment and reintroduce freshwater mollusk species in these systems parallel to other statewide mollusk restoration efforts. The project will also expand activities to restore populations of freshwater fish species that have conservation and restoration needs in the freshwater systems of these counties. These activities would be completed through the expansion of artificial propagation programs at the Alabama Aquatic Biodiversity Center (AABC) in Marion, Alabama. This project seeks to provide additional culture infrastructure support at the AABC to accommodate expanded propagation activities. This would include renovating holding ponds for increased host fish support and propagation, construction of additional culture systems, purchase of additional laboratory and field support equipment, and expanded travel budgets. The funds will also be used to support additional full-time personnel required to perform the work both at the AABC and in the field. The associated proposed time line would complete infrastructure improvements and development of specific culture plans the first year, and augmentation/reintroduction activities occurring in years 2-4. Potentially, up to forty-seven species; including Gulf Sturgeon, snails, and mussels, and Largemouth Bass, and will be propagated for augmentation and/or reintroduction into historic habitats and ranges within these counties. A species list is included in the appendix .

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will restore populations of mollusks and fish in the coastal rivers and streams.
-
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Improvements to the Marine Resources Division's facilities at Claude Petet Mariculture Center in Gulf Shores**

PROJECT NUMBER: **AL-19**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Stevens R. Heath, Chief Marine Biologist
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PROJECT SUMMARY

LOCATION: Gulf Shores, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$4,500,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$2,000,000.00

2009- \$2,500,000.00

The Marine Resources Division (MRD) of the Alabama Department of Conservation and Natural Resources owns and manages the Claude Peteet Mariculture Center (CPMC). This facility features 35 quarter-acre lined ponds, a wet laboratory, and greenhouses with recirculating culture systems. In addition, there are a wood-framed office building and license sales facility house which provide offices to approximately 25 employees of MRD, including administrative staff, biological staff, and enforcement officers. The CPMC property fronts the Gulf Intracoastal Waterway, and draws much of the water used for culture activities at the station from the waterway. The objective of this project is to provide upgrades to this facility in order to better facilitate fisheries management research.

First, MRD proposes to use CIAP funds to renovate several of the critical buildings and facilities at the CPMC. The proposal includes the construction of a new laboratory facility, replacing and combining the old wet laboratory and the greenhouses with a single new structure and new culture equipment. This building will also house employees and serve as a public license sales facility and outreach center. Second, the farm portion of the property will be renovated. This activity will include the replacement of aged valves, pumps, pond piers, outbuildings (feed shed and tool barn), and covered boat storage. Drainage upgrades are also needed as stormwater from adjacent property causes flooding during large rain events. The estimated budget for this project is \$3,500,000.00 of CIAP funds.

Second, this project will renovate and expand an existing boat basin at the CPMC on the Intercoastal Canal which is no longer functional. This project will create a safe place to access and store boats. At this time, biologists and enforcement officers must trailer their boats to a launch on the south side of the Canal. This is problematic during search and rescue operations when quick access to the water is imperative. In addition to improving the basin, this project will construct covered boat stalls with lifts, a fuel facility, and boat launching ramp. This project is estimated to cost \$500,000.00

Last, full-strength sea water for the research applications at CPMC is pumped in via a pipeline from the Gulf of Mexico at the Gulf State Park fishing pier. Most of this pipeline was destroyed by Hurricane Ivan. The pipeline will need to be relocated to a less vulnerable location, as it was located immediately adjacent to an area that receives repeat damage from storm surge. However, FEMA will not pay for the added cost (\$500,000.00) to relocate the line. This project will supplement the existing FEMA funds to reconstruct the pipeline to an improved location.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In October of 2006, the Mississippi Alabama Sea Grant Consortium (NOAA SeaGrant) revised and approved its strategic plan. Priority Theme Area 4 is entitled “Fisheries Ecology and Aquaculture”. The goal of this theme is “to improve the sustainability of the commercial and recreational capture fisheries and aquaculture including stock enhancement through research and outreach programs”. Renovation of the mariculture center and improvements to the salt water pipeline will improve aquaculture through research in Alabama.

- Cost sharing: Public assistance funds from the Federal Emergency Management Agency (FEMA) are being used in conjunction to CIAP finds to rebuild the salt water pipeline in a location less prone to storm damage.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Infrastructure Improvements to Marine Resource Division's facilities on Dauphin Island, Alabama to Facilitate Fisheries Management Research and Management of Coastal Resources**

PROJECT NUMBER: **AL-20**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
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	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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	30945 Five Rivers Boulevard	Gulf Shores, Alabama 36547
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PROJECT SUMMARY

LOCATION: Dauphin Island, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$550,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$550,000.00

The Marine Resource Division (MRD) of the Alabama Department of Conservation and Natural Resources Headquarters is located in south Mobile County on Dauphin Island. This is a multi-function site serving as the Mobile County base of field operations for the MRD's enforcement and biological sections. The facility includes the main headquarters office, a mechanical shop and two docking facilities – a primary boatslip as well as new dockage utilized by the enforcement section. All Mobile County biological field sampling operations, including fisheries assessment and monitoring are based out of this facility. Also, it serves as primary office space for the MRD's Mobile County administrative personnel. Overall, the facilities need specific upgrades in order to aid the research function of MRD. The building, originally constructed in 1961, and its supporting infrastructure received heavy damage from both Hurricanes Ivan in 2004 and Katrina in 2005. Some renovation has already occurred since the storm.

In 2006, MRD was able to partially complete the new docking facility located on the adjacent Dauphin Island shoreline of the property. The facility serves as the primary boat storage for the enforcement section and the Alabama Department of Public Health Seafood Safety Division. However, there was not enough funding at this time to cover the facility. The first phase of this project is to construct a cover for this facility (\$100,000.00).

Next, the primary boatslip and its adjacent concrete dock has significantly deteriorated. The concrete sheet pilings and caps display severe cracking, the sheet piling tiebacks are failing and the concrete decking has been severely undermined. Coastal Impact Assistance Program funds will be used to restore this boatslip to its original condition for a cost of \$300,000.00. Also, a 16'X 32' sampling net and gear storage building will be constructed for a cost of \$150,000.00.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: Sea Grant is a nationwide network (administered through the National Oceanic and Atmospheric Administration [NOAA]), of 30 university-based programs that work with coastal communities. Priority Theme Area 4 of the Mississippi Alabama Sea Grant Consortium Strategic Plan is entitled "Fisheries Ecology and Aquaculture". This plan was revised and approved by NOAA SeaGrant in October of 2006. The goal of this theme is "to improve the sustainability of the commercial and recreational capture fisheries and aquaculture including stock enhancement through research and outreach programs". A strategic action associated with this objective includes the following: 'Collect fundamental life history and behavioral information on recreational and commercially important species.' Upgrading the facilities at Dauphin Island will facilitate field work in order to collect the necessary data on commercial and recreational fisheries and thus implement the Mississippi Alabama Sea Grant Consortium Strategic Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama**

PROJECT NUMBER: **AL-21**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
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PROJECT SUMMARY

LOCATION: **Coastal Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$100,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$100,000.00

It is a priority of the State of Alabama CIAP to support coastal observing systems as these systems provide much-needed data to understand and manage complex estuarine systems. Continuous, real-time observations in coastal Alabama began with support of the first CIAP program, administered by NOAA in 2001. Since then, Dauphin Island Sea Lab and the Mobile Bay National Estuary Program have partnered with the University of South Alabama, Weeks Bay National Estuarine Research Reserve, the Alabama Department of Conservation, State Land Division, Coastal Program, EPA's Gulf of Mexico Program and the Alabama Lighthouse Association to provide real-time data at four sites in the Mobile Bay area. Parameters being monitored at these sites include wind speed, wind direction, air temperature, barometric pressure, photosynthetically active radiation, precipitation, water temperature, dissolved oxygen, water height, and salinity. Real-time data are available in a user-friendly format at www.mymobilebay.com. This informative website describes and graphs each parameter. Researchers may upload the data in a spreadsheet format any time for further analysis. Data from these stations can also be accessed through the National Data Buoy Center at http://www.ndbc.noaa.gov/maps/Alabama_inset.shtml.

Through a partnership, the State of Alabama, Baldwin County, and Mobile County will add monitoring sites in the Mississippi Sound/Portersville Bay area in Mobile County, and the Perdido Bay area in Baldwin County using CIAP funds. This project will construct data collection devices and support the maintenance and operation of the network for two years.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. Volume II, Path to Success, includes a section on Water Quality. The goal of the entire section is stated on page 7 as: *“Attain and/or maintain water quality sufficient to support healthy aquatic communities and designated human uses by 2010.”* This project meets this goal through continual real time monitoring and data collection of water quality data.
- Cost Sharing: The monitors have been funded from many entities including: 2001 State of Alabama CIAP, Dauphin Island Sea Lab, Mobile Bay National Estuary Program, University of South Alabama, Weeks Bay National Estuarine Research Reserve, the Alabama Department of Conservation, State Land Division, Coastal Program, EPA's Gulf of Mexico Program and the Alabama Lighthouse Association. Additional funding from the Emergency Disaster Response Fund (EDRF) is being utilized to purchase and maintain monitors in the Mississippi Sound, near the western boundary of Mobile County. This project will be a partnership between the State of Alabama CIAP entities; State of Alabama (\$100,000.00), Baldwin County (\$250,000.00) and Mobile County (\$500,000.00).

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Expansion of Fisheries Data Collection and Purchase of Research and Construction Equipment to Extend the Marine Resource Division's Coastal Resource Management Capacity**

PROJECT NUMBER: **AL-22**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
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PROJECT SUMMARY

LOCATION: **Gulf Shores and Dauphin Island, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$1,530,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT

DURATION:

2008 - \$900,000.00

2009 - \$630,000.00

The Marine Resources Division (MRD) of the Alabama Department of Conservation and Natural Resources conducts fishery habitat enhancements such as oyster bed restoration and artificial reef construction, and provides boating access through construction and renovation of boat ramps across both coastal counties of Alabama. While most of the large projects are awarded to independent, licensed contractors, much of the day-to-day work in these efforts could be more cost-effectively accomplished by the MRD directly. The MRD proposes to use CIAP funds to purchase items of equipment necessary to these efforts. The MRD will purchase and maintain materials loading and hauling setups for moving materials in Baldwin and Mobile Counties for habitat construction and boat ramp repair and construction. This will include a dump truck, a large backhoe / end loader with trailer. An appropriately sized and designed large sampling boat will be purchased and maintained in Baldwin County for artificial reef research and development work. Computer equipment and software for GIS and other applications will be purchased and maintained for restoration projects. Additional biological sampling and analysis will be conducted by the MRD and through sub-grants with local experts to enhance classification of habitat and its improvement and conservation.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will purchase equipment that will be used to restore oyster and fishery reef habitat in the coastal area. Additional research and analysis will be conducted to help conserve and improve habitat.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **External Audit of Marine Resource Division's Biological Sampling and Analysis Programs**

PROJECT NUMBER: **AL-23**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Stevens R. Heath, Chief Marine Biologist
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	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	PO Drawer 458
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PROJECT SUMMARY

LOCATION: Coastal Alabama

DURATION: 2008-2009

ESTIMATED COST: \$1,000,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$1,000,000.00

In the interest of responsible use of public funds, it is crucial to periodically evaluate the efficiency and effectiveness of biological data acquisition and analysis methods employed by natural resources management agencies. The Marine Resources Division (MRD) of the Alabama Department of Conservation and Natural Resources uses intensive fishery-dependent and fishery-independent sampling to assess fish and shellfish stock condition. The MRD proposes to utilize CIAP funds to conduct an outside audit of all biological sampling and analysis programs to ensure currency, accuracy, precision, efficiency, and effectiveness. This audit will be conducted by a multi-disciplinary team of marine, statistical, and social scientists. The objective of this project is to conduct a full review of the effectiveness and efficiency of MRD's research activities.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. Action Item LR-A1 is "Improve Monitoring of Key Living Resources." A comprehensive review of MRD programs will meet this objective.
- Cost Sharing: Cost Sharing is not applicable to this project.

b. Baldwin County Tier One Project Descriptions

Project Number	Project Name
BC-1	Erosion & Sediment Control
BC-2	Acquisition of Property for Conservation & Public Access
BC-3	Administration of the Coastal Impact Assistance Program
BC-4	Magnolia Landfill Methane Gas Collection System
BC-5	Comprehensive Land Use Plan Development
BC-6	Exotic Plant Species
BC-7	Coastal Dune Restoration
BC-8	Shoreline/Habitat Restoration
BC-9	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama
BC-10	Enhancement of Existing Public Accesses
BC-11	Acquisition of Property for Boating Access

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Erosion & Sediment Control**

PROJECT NUMBER: **BC-1**

PROJECT CONTACT:

	Primary Contact
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PROJECT SUMMARY

LOCATION: Baldwin County, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$900,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$450,000.00

2009 - \$450,000.00

Baldwin County has an inventory of approximately 700 miles of dirt roads that are controlled and maintained by the Baldwin County Highway Department. The Highway Department performs regular maintenance on these roads to include placement of new road material, road grading, shoulder work, and maintenance of drainage ditches. Even with proper maintenance, these dirt roads can still have a detrimental impact on surrounding waters. This initiative will provide for the paving and stabilization of portions of environmentally sensitive dirt roads where impacts are occurring. With assistance from the Highway Department, those roads which have the greatest impact on streams will be identified and

categorized for paving. The goal of this initiative is the protection of coastal areas, including wetlands, by reducing erosion and contributing to improved water quality. The objective is to pave approximately 12 miles of roadway which would provide erosion protection to approximately 75 acres.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The focus of this initiative will be for protection to coastal waters and wetlands.
- Cost Sharing: This project will be administered using CIAP funds with the Baldwin County Highway Department provided equipment and labor to implement the project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Acquisition of Property for Conservation & Public Access**

PROJECT NUMBER: **BC-2**

PROJECT CONTACT:

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PROJECT SUMMARY

LOCATION: **Baldwin County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$2,094,094.64**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2007 - \$890,000.00

2008 - \$1,204,094.64

The purpose of this project is to allow the county to secure areas of land that are environmentally sensitive and would benefit the citizens of Baldwin County. With the rapid growth in Baldwin County, sensitive areas located along rivers, streams, and bays are quickly being bought and developed into subdivisions or commercial property. There is great concern that this will lead to greater damage to the quality of waterways, and also to the quality of life. The Baldwin County Commission would like to ensure that these areas are protected for present and future use by the citizens and visitors of Baldwin County. The goal is to acquire space that would provide areas for many types of outdoor recreation such as canoeing, kayaking, fishing, nature walks, biking, and hiking, while also preserving and protecting sensitive wetland

areas and wildlife habitat. It is important to be selective in the choice of lands. The approach is to identify potential tracts based on current use and environmental conditions of a property in combination with beneficial public access qualities. The objective is to acquire at least 2 (two) pieces of property at a minimum of ten (10) acres each.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project is consistent with use Authorized Use #1 because it allows the county to protect and conserve environmentally sensitive land, including wetlands, for outdoor recreational use by the public. There is a great demand in the county for access to public land, especially land that borders waterways. The rapid growth rate of the county and the large tourism population continues to put a strain on the present infrastructure.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Administration of the Coastal Impact Assistance Program**

PROJECT NUMBER: **BC-3**

PROJECT CONTACT:

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PROJECT SUMMARY

LOCATION: **Baldwin County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$250,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$125,000.00

2009 - \$125,000.00

The project will provide financial assistance to the Baldwin County Commission to manage and implement Baldwin County's CIAP. The objective is to utilize staff from various County departments to administer the CIAP program. The Commission has also entered into a contract with South Alabama Regional Planning Commission to provide assistance with program administration. The administration will include attending training related to the implementation of the program, grant application preparation and submittal, and the planning and management of the CIAP projects.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #3: planning assistance and the administrative costs of complying with CIAP.
- Justification: Administrative costs meet the definition of the Authorized Use.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Magnolia Landfill Methane Gas Collection System**

PROJECT NUMBER: **BC-4**

PROJECT CONTACT:

Name	James Ransom, Jr.
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PROJECT SUMMARY

LOCATION: Magnolia Sanitary Landfill, Summerdale, Baldwin County, Alabama

DURATION: 2008

ESTIMATED COST: \$650,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2007 - \$650,000.00**

The Magnolia Sanitary Landfill is located in Summerdale, Alabama approximately three miles north of US HWY 98 and five miles west of State Highway 59. The Magnolia Landfill is located approximately eight miles from Weeks Bay. The Landfill is owned and operated by the Baldwin County Commission. Applicable permits for the landfill are managed through the Alabama Department of Public Health (ADPH) and the Alabama Department of Environmental Management (ADEM). The mission of the Magnolia Landfill is to furnish a safe, sanitary, and properly managed disposal site for Municipal Solid Waste (MSW) and Construction Debris (C&D) for Baldwin County. In addition, recycling, composting, and biosolids operations are performed at the Landfill. The Magnolia Landfill is site 19 on the Alabama Coastal Birding Trail. In April 2005 a Tier II air emissions test was performed at the landfill to determine

the amount of Non Methane Organic Compounds (NMOC's) contained in the landfill gas emitted from decomposing waste materials. NMOC's may be vinyl chloride, toluene, benzene and up to 100 other materials. Studies indicate that landfill gas emissions of NMOC's at certain levels have adverse effects on public health. Another component of landfills gas is methane, which in addition to presenting a fire hazard, is also a greenhouse gas. The Tier II test revealed that levels of NMOC's in the landfill gas exceeded Clean Air Act requirements. As a result, a landfill gas collection and control device capable of reducing NMOC's in the landfill gas by 98 percent must be constructed and put into operation.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The management program policy statement of the Alabama Coastal Area Management Plan (ACAMP) is as follows: "It is the policy of the Coastal Area Management Program to encourage all sources of air pollution in Alabama's coastal area meet or exceed all applicable emission standards." In addition, ACAMP states that "The quality of the air in the Alabama coastal area affects many aspects of the environment that directly relate to the quality of life on the coastal area.....the known hazardous air pollutants produced in the Alabama coastal counties contribute to the atmospheric deposition in the watersheds that, in turn, may increase pollutant loading that results in reduced water quality."
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Comprehensive Land Use Plan Development**

PROJECT NUMBER: **BC-5**

PROJECT CONTACT:

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PROJECT SUMMARY

LOCATION: Baldwin County, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$300,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2007 - \$125,000.00

2008 - \$175,000.00

Baldwin County is the second fastest growing county in the state of Alabama. Since the 1990 US Census, Baldwin County's population has grown over 50 percent to approximately 165,000 residents. It is projected that the population may reach 340,000 by the year 2016. With increased growth comes the potential for loss of wetlands and open space and negative impacts on water quality, animal habitats and recreational areas. The goal of this project is to establish a Comprehensive Land Use Plan for Baldwin County. The objective is to create goals, objectives and policies for all elements of the plan to help guide the growth of Baldwin County. An element of the Comprehensive Land Use Plan will address the conservation, use and protection of these natural resources including water quality, wetlands, estuarine

marshes, beaches, flood plains, fisheries and marine habitats. The plan will address the need to provide open space and public access for the citizens of Baldwin County. This work will also involve a review and update of existing zoning ordinances to ensure compatibility with all aspects of the land use plan. Although growth is inevitable, the Comprehensive Land Use Plan will provide the guidance to direct that development to the areas for which it is best suited while continuing to preserve our natural resources

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project meets Authorized Use #4 by supporting the Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan (CCMP). Included in this plan is Action HU-A1 – Develop and Implement Comprehensive Land Use Plan.
- Cost Sharing: This project will be administered using CIAP funds, NOAA Coastal Zone Management funds (\$25,000.00), and Baldwin County matching funds (\$25,000.00)

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Exotic Plant Species**

PROJECT NUMBER: **BC-6**

PROJECT CONTACT:

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PROJECT SUMMARY

LOCATION: **Baldwin County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$100,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008-\$50,000.00

2009-\$50,000.00

This project will provide education and materials to Baldwin County personnel to reduce the spread and aid in the control of invasive exotic species. Invasive exotic species pose a serious threat to native species in any given area. This project will be focused on Baldwin County owned public lands and rights-of-way. The objective will be to train personnel who maintain these areas in techniques that will stop the spread of exotic species during regular routine maintenance functions. Also, the control of existing exotic species on public owned lands will be a priority. The most effective method (physical or chemical treatment) for a

particular area will be determined by personnel and implemented. The goal of this initiative is to provide training that will assist personnel in the removal and prevention of further spread of invasive species.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: Authorized use #4 addresses this initiative by accomplishing the implementation of a federally-approved marine, coastal, or comprehensive conservation management plan. The Mobile Bay National Estuary Program (MBNEP) Comprehensive Conservation and Management Plan (CCMP) contains Action LR-B1: Management Plan for Nuisance Species, which address the education and eradication of invasive exotic species.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Coastal Dune Restoration**

PROJECT NUMBER: **BC-7**

PROJECT CONTACT:

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PROJECT SUMMARY

LOCATION: **Fort Morgan Peninsula, Baldwin County, Alabama**

DURATION: **2008**

ESTIMATED COST: **\$240,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$240,000.00

The goal of this initiative is to stabilize and restore coastal dunes along the Fort Morgan Peninsula. The hurricane events of the past several years have left many of our coastal areas bare of vegetation and vulnerable to accelerated erosion. Vegetation is critical to dune formation and stabilization. Without vegetation, blowing sand will migrate inland. The object is to re-establish native vegetation on County owned rights-of-way along the peninsula that will serve as an example for local citizens and conservation organizations to model future projects, be it large scale or single lots.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project is consistent with CIAP authorized uses #1 and #4. It meets the requirements of use #1 as restoration of coastal areas. It meets the requirements of use #4 by supporting the Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan (CCMP). Included in this plan is Action HM-D1 – Assess Beach and Dune Habitat Loss.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Shoreline/Habitat Restoration**

PROJECT NUMBER: **BC-8**

PROJECT CONTACT:

Name	Julie Batchelor
Address	Baldwin County Commission
	Baldwin County Planning & Zoning Department
	312 Courthouse Square, Suite 18
	Bay Minette, AL 36507
Telephone	(251) 580-1655
Fax	(251) 937-0293
E-mail	jbatchelor@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: Perdido Bay and Mobile Bay, Baldwin County

DURATION: 2008

ESTIMATED COST: \$200,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$200,000.00**

Baldwin County is almost completely surrounded by water, with rivers on the northwestern side, bays on the east and west and the Gulf to the South. The constant wave action and the continual impacts from tropical storms and hurricanes can cause significant erosion problems along the shoreline. The goal of this project is to identify areas along the shoreline of Baldwin County that would be feasible for demonstration projects to show how shorelines can be protected via nearshore oyster and/or habitat protection and restoration. The objective of this project is to implement methods that involve the use of oyster shell-based erosion control structures or that provide limitations around and restoration efforts in sea grass beds that are being actively degraded by motorized boat traffic. The use of oyster shell-based structures would provide a two-fold benefit. These structures would not only help lessen wave action

reaching adjacent shorelines, aiding in erosion control and restoration of the shoreline, but would also provide the opportunity for natural oyster recruitment which provides additional reef habitat for various species. Protecting and improving the health of Baldwin County's seagrass beds will benefit its shoreline by lessening wave action and stabilizing sediments near eroding shorelines. Baldwin County will work closely with non-profit conservation groups to identify project sites and implementation strategies.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project is consistent with CIAP authorized uses #1 and #4. It meets the requirements of use #1 as restoration of coastal areas. It meets the requirements of use #4 by supporting the Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan (CCMP). Included in this plan is Action HM-D1 – Assess Beach and Dune Habitat Loss.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama**

PROJECT NUMBER: **BC-9**

PROJECT CONTACT:

Name	Julie Batchelor
Address	Baldwin County Commission
	Baldwin County Planning & Zoning Department
	312 Courthouse Square, Suite 18
	Bay Minette, AL 36507
Telephone	(251) 580-1655
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E-mail	jbatchelor@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: Perdido Bay, Baldwin County, Alabama

DURATION: 2008

ESTIMATED COST: \$250,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$250,000.00**

It is a priority of the State of Alabama CIAP to support coastal observing systems as these systems provide much-needed data to understand and manage complex estuarine systems. Continuous, real-time observations in coastal Alabama began with support of the first CIAP program, administered by NOAA in 2001. Since then, Dauphin Island Sea Lab and the Mobile Bay National Estuary Program have partnered with the University of South Alabama, Weeks Bay National Estuarine Research Reserve, the Alabama Department of Conservation, State Land Division, Coastal Program, EPA's Gulf of Mexico Program and the Alabama Lighthouse Association to provide real-time data at four sites in the Mobile Bay area. Parameters being monitored at these sites include wind speed, wind direction, air temperature, barometric

pressure, photosynthetically active radiation, precipitation, water temperature, dissolved oxygen, water height, and salinity. Real-time data are available in a user-friendly format at www.mymobilebay.com. This informative website describes and graphs each parameter. Researchers may upload the data in a spreadsheet format any time for further analysis. Data from these stations can also be accessed through the National Data Buoy Center at http://www.ndbc.noaa.gov/maps/Alabama_inset.shtml.

Through a partnership, the State of Alabama, Baldwin County, and Mobile County will add monitoring sites in the Mississippi Sound/Porterville Bay area in Mobile County, and the Perdido Bay area in Baldwin County using CIAP funds. This project will construct data collection devices and monitor data throughout the project period.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. Volume II, Path to Success, includes a section on Water Quality. The goal of the entire section is stated on page 7 as: *“Attain and/or maintain water quality sufficient to support healthy aquatic communities and designated human uses by 2010.”* This project meets this goal through continual real time monitoring and data collection of water quality data.
- Cost Sharing: The monitors have been funded from many entities including: 2001 State of Alabama CIAP, Dauphin Island Sea Lab, Mobile Bay National Estuary Program, University of South Alabama, Weeks Bay National Estuarine Research Reserve, the Alabama Department of Conservation, State Land Division, Coastal Program, EPA’s Gulf of Mexico Program and the Alabama Lighthouse Association. Additional funding from the Emergency Disaster Response Fund (EDRF) is being utilized to purchase and maintain monitors in the Mississippi Sound, near the western boundary of Mobile County. This project will be a partnership between the State of Alabama CIAP entities; State of Alabama (\$100,000.00), Baldwin County (\$250,000.00) and Mobile County (\$500,000.00).

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Enhancement of Existing Public Accesses**

PROJECT NUMBER: **BC-10**

PROJECT CONTACT:

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Address	Baldwin County Commission
	Baldwin County Planning & Zoning Department
	312 Courthouse Square, Suite 18
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E-mail	jbatchelor@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: **Baldwin County**

DURATION: **2008-2009**

ESTIMATED COST: **\$1,000,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008-\$500,000.00

2009-\$500,000.00

The goal of this initiative is to enhance public access conditions in the coastal area of Baldwin County. Baldwin County owns parks and undeveloped parcels of land throughout the County. The population of Baldwin County has grown over 50 percent since the 1990 census. The use of current public facilities is high due to this fact and many of Baldwin County's parks need enhancement to provide beneficial use for citizens. The objective includes projects such as installing boat ramps, constructing fishing piers and boardwalks, creating camping facilities and general improvement. This initiative will focus strictly on properties that are currently under the ownership of Baldwin County.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: It meets use #4 by implementing the Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan (CCMP). This plan addresses the need for public access and support of Eco-tourism in its Action HU-C1.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Acquisition of Property for Boating Access**

PROJECT NUMBER: **BC-11**

PROJECT CONTACT:

Name	Julie Batchelor
Address	Baldwin County Commission
	Baldwin County Planning & Zoning Department
	312 Courthouse Square, Suite 18
	Bay Minette, AL 36507
Telephone	(251) 580-1655
Fax	(251) 937-0293
E-mail	jbatchelor@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: Perdido Bay, Baldwin County

DURATION: 2008

ESTIMATED COST: \$2,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$2,000,000.00**

The goal of this initiative is to address the lack of public access for a public boating facility in the Perdido Bay area of coastal Baldwin County. Baldwin County owns undeveloped parcels of land in this area; however none of the properties can support a facility that will be beneficial to the public. This area of coastline in Baldwin County is rapidly developing and available land is becoming very limited and extremely costly. Currently, the only public facility located on this body of water in Baldwin County is at the southern-most portion of Perdido Bay which is approximately 12 nautical miles in length from the mouth of the Perdido River. The objective is to purchase a piece of property that could be from one (1) to ten (10) acres that will provide boating access to the northern portion of Perdido Bay.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is covered under CIAP authorized use #4. It meets use #4 by implementing the Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan (CCMP). This plan addresses the need for public access and support of Eco-tourism in its Action HU-C1 specifically mentioning boating facilities. In 2006 the Mobile Bay National Estuary Program service area was changed to cover all of Baldwin County and the Baldwin County portion of Perdido Bay
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

c. Mobile County Tier One Project Descriptions

Project Number	Project Name
MC-1	Administration of the Coastal Impact Assistance Program
MC-2	Mobile County River Delta Tourism and Welcome Center Improvements□
MC-3	Escatawpa Hollow River Park Acquisition and Improvements□
MC-4	Heron Bay Cut-Off Access Improvements
MC-5	Dauphin Island Campground Improvements
MC-6	Dauphin Island Bicycle Trail Repair
MC-7	Household Hazardous Waste Collection Events
MC-8	Mobile County Greenprint Project
MC-9	Fowl River Shoreline Property Purchase
MC-10	Sensitive Habitat Restoration and Enhancement of County-owned Property
MC-11	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama
MC-12	North Mobile County Wastewater Facilities
MC-13	Bayfront Park Improvements
MC-14	Coastal Research Weather Stations
MC-15	West Mobile County Conservation Property Acquisition

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Administration of the Coastal Impact Assistance Program**

PROJECT NUMBER: **MC-1**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-3229
E-mail	Bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$362,030.28**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$181,015.14

2009 - \$181,015.14

The objective of the project is to utilize Mobile County Commission staff and staff from the South Alabama Regional Planning Commission to administer the CIAP program. The Mobile County Commission staff attended the CIAP workshop held by MMS in July of 2006 to begin development of a CIAP Administration Program. Subsequently, the Commission contracted with the South Alabama Regional Planning Commission to assist with program administration. The South Alabama Regional Planning Commission is an arm of local government that has served the Mobile County Commission in this capacity on numerous occasions in the past. Administration will include attendance at grant management training workshops, development of the CIAP plan, preparing grant applications, and managing CIAP projects.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #3: planning assistance and the administrative costs of complying with CIAP.
- Justification: Administrative costs meet the definition of the Authorized Use.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Mobile County River Delta Tourism and Welcome Center Improvements**

PROJECT NUMBER: **MC-2**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Dead Lake Marina, Creola, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$1,527,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$1,000,000.00

2009 - \$527,000.00

In 2001, the Mobile County Commission utilized Coastal Impact Assistance Program funding to acquire and make minimal improvements to Dead Lake Marina. The facility provides public access to the Mobile River Delta. Renamed the Mobile County River Delta Tourism and Welcome Center, the facility contains a campground, cabins, a boat launch, a ranger station, and very limited boat storage. As improvements were made, the facility experienced an increase in usage. This increase in use of the facilities demonstrates the unmet need for public access in northern Mobile County. The goal of the Mobile County River Tourism and Welcome Delta Center Improvement project is to enhance public access opportunities in northern Mobile County. The objective of the project is to construct facilities and infrastructure to provide a range of public access and eco-tourism options at the Center.

The project will include construction of boat storage and a fuel station, construction of additional log cabins, upgrading RV sites and sanitary facilities, the purchase and installation of playground equipment and swimming pool repairs (or replacement) The main office will be renovated to serve as a Ranger Station and Gift Shop. The project may include expanding the boundaries of the Center, if adjacent acreage becomes available for purchase.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HU-C1: Increase Public Access and Eco-Tourism included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Escatawpa Hollow River Park Acquisition and Improvements**

PROJECT NUMBER: **MC-3**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **15551 Moffett Rd., Wilmer, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$2,000,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$1,500,000.00

2009 - \$500,000.00

In the early 1980's, the Escatawpa River was evaluated by the National Park Service to determine its suitability for inclusion in the Wild and Scenic Rivers Act. The National Park Service described the Escatawpa River as "probably the finest undeveloped black water stream in the nation." (NPS – Wild and Scenic River Study). The Escatawpa River begins in southwest Alabama less than one mile from the Alabama/Mississippi border in Washington County, Alabama. From there it flows south through northwest Mobile County into Mississippi through a watershed that is long and narrow, with a total length of about 100 miles and width of approximately 15 miles. The river eventually empties into a series of water bodies that form the mouth of Mississippi's Pascagoula River. Though portions of the Escatawpa flow through somewhat remote locales, the watershed is less than an hour drive from the City of Mobile, and

equally as close to Pascagoula, Mississippi. The goal of the Escatawpa Hollow River Park project is to enhance public access to and appreciation for black water river ecosystems in Mobile County. The primary objective of the project is to acquire the privately owned Escatawpa Hollow Campground and Canoe Rental property and renovate facilities and infrastructure to provide a range of public access and eco-tourism options. Additional objectives include providing public information on black water ecosystems and monitoring water quality.

The project will include acquisition of the property (including equipment and inventory), construction of additional river access points, construction of boardwalks and pavilions, expanding campsites and recreational vehicle sites, and renovating existing offices and retail store to serve as a Ranger Station and Gift Shop. These improvements will also require expansion of utilities and upgrades to onsite wastewater facilities. CIAP funds for this project will also be utilized to obtain water quality monitoring equipment and to train staff to monitor water quality at the project site. The project will also include the creation and installation of signage to mark significant habitats and provide information on water quality and appropriate behaviors in sensitive habitats to the public. This project complements a State of Alabama Tier 2 project entitled, “Land Acquisition in the Escatawpa River Corridor and Grand Bay”, as the Escatawpa River corridor is a State Lands Division acquisition target. In addition, this project also complements the State of Alabama’s water-based nature trail project, as this project will promote low impact eco-tourism activities.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HU-C1: Increase Public Access and Eco-Tourism included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Heron Bay Cut-Off Access Improvements**

PROJECT NUMBER: **MC-4**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Dauphin Island Parkway, Mobile County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$825,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$400,000.00

2009 - \$425,000.00

Heron Bay Cut Off is located on Dauphin Island Parkway just north of the Dauphin Island Bridge. This area is adjacent to a bait shop and is partially located on State of Alabama Department of Transportation (ALDOT) Right of Way. The Mobile County Commission leases the bait shop to a private individual and has an agreement with ALDOT to use the right of way as a boat launch. Local fishers and oystermen regularly use this aging access point as it is near the Cedar Point oyster beds, the Mississippi Sound, as well as Mobile Pass and Pelican Pass. The goal of the Heron Bay Cut Off Access project is to enhance public access and public safety. The objective of the project is to renovate existing facilities and parking area and improve pedestrian safety in the area adjacent to Heron Bay Cut Off. The project will include renovation of the boat ramp, construction of a pier with limited shoreline stabilization in the vicinity of the boat ramp,

placement of pervious material in existing parking areas, and installation of guard rails and additional lighting.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HU-C1: Increase Public Access and Eco-Tourism included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Dauphin Island Campground Improvements**

PROJECT NUMBER: **MC-5**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: Dauphin Island Campground, Mobile County, Alabama

DURATION: 2008

ESTIMATED COST: \$200,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$200,000.00**

The Dauphin Island Campground is the only campground on the island and the single largest source of tourism lodging in the community. The campground is adjacent to the Audubon Bird Sanctuary and the Billy Goat Hole Boat Ramp. Due to its location, it is popular with beachgoers, birdwatchers, and boaters. It is operated by the Dauphin Island Park and Beach Board, a non profit, locally controlled entity. The goal of the Dauphin Island Campground Access Improvement project is to improve the physical condition of the campground. The objective of the project is to undertake activities that will improve access, drainage, and facilities. The project will include resurfacing campground roads, creation of a gravity run-off ditch from interior areas to right of way, construction of a new building to serve as a combination admission office/gift shop/concession stand, and redesign and construction of improved entrance/exit infrastructure.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HU-C1: Increase Public Access and Eco-Tourism included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Dauphin Island Bicycle Trail Repair**

PROJECT NUMBER: **MC-6**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
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E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Dauphin Island, Mobile County**

DURATION: **2008**

ESTIMATED COST: **\$95,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$95,000.00

The Town of Dauphin Island constructed an approximately 3.5 mile bike trail along the main road that connects Fort Gaines, the Audubon Bird Sanctuary, Cadillac Square, Salt Creek Park, and the Main Beach area to promote public access for birdwatchers and beachgoers. There are areas of the trail that have been damaged by tree root growth. The goal of the Dauphin Island Bicycle Trail Repair project is to provide a safe and well maintained bike trail. The objective of the project is to identify areas that are damaged and to select the most appropriate measures to restore the trail. The project will include assessing the condition of the trail and making repairs as needed.

AUTHORIZED USES

Draft State of Alabama Coastal Impact Assistance Program Plan
Mobile County Tier One Project Descriptions

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HU-C1: Increase Public Access and Eco-Tourism included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Household Hazardous Waste Collection Events**

PROJECT NUMBER: **MC-7**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
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	Mobile County Commission
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	Mobile, AL 36644
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PROJECT SUMMARY

LOCATION: Mobile County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$500,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$125,000.00

2009 - \$125,000.00

2010 - \$125,000.00

2011 - \$125,000.00

In the past, the Mobile County Commission, in cooperation with other local partners, has sponsored one-day household hazardous waste collection events. These events were well attended and highly successful with numerous tons of hazardous waste being collected. While most individuals would not dispose of hazardous wastes improperly, sponsoring collection days is a way to ensure that stored hazardous wastes do not make their way into area waterways and ultimately degrade water quality and associated marine, estuarine, and freshwater habitats. The Mobile County Commission will sponsor several Household Hazardous Waste Collection Days where the County will accept a variety of items not eligible for regular

waste collection. The County will partner with other local organizations to further the success of this program.

The goal of the Household Hazardous Waste Collection Event project is to reduce the amount of household hazardous waste that is disposed of improperly, to further public awareness on the importance of proper waste disposal, and on water quality protection. The objective of the project is to provide citizens opportunities to properly dispose of household hazardous waste items. Additionally, these events will provide an opportunity for distribution of stormwater management educational materials.

The project will involve partnering with local governments and non-profit entities to organize and implement household hazardous waste collection days in Mobile County. Collection sites will be established at various locations throughout the County. The event will include a media campaign to inform citizens as to what is considered household hazardous waste and provide details on collection locations and times.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action WQ-D2: Provide for Safe Disposal of Hazardous Waste and Action EPI-A1: Enhance Public Education and Outreach included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Mobile County Greenprint Project**

PROJECT NUMBER: **MC-8**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
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	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
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PROJECT SUMMARY

LOCATION: Unincorporated Mobile County

DURATION: 2008

ESTIMATED COST: \$73,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$73,000.00**

The unincorporated areas of Mobile County’s landscape are made up of high density suburban uses, rural and industrial areas, wetlands, marshes, uplands, rivers, a manmade reservoir (Big Creek Lake), and several bayous and creeks. As growth spreads out from the City of Mobile and extends into unincorporated areas, forests, floodplains, and other sensitive habitat are being converted to new development. The natural lands that once retained and absorbed stormwater are being lost, increasing the risk of future flooding and other storm impacts. There is a need to identify lands that will be most critical to conserve and manage and develop a plan for protecting those lands before they are lost to development. The goal of this project is to identify lands to be acquired to protect sensitive habitats and wetlands. The objectives of this project are to utilize data, modeling, and community outreach to support the development and implementation of sensitive habitat protection strategies.

This project will:

1. Identify a set of community values around land conservation and park creation by engaging a diverse set of community participants in developing parks and conservation goals, and site-specific strategies for the places identified as important to protect;
2. Create a model for Mobile County that shows how the County can protect its sensitive habitats while meeting other local park and resource protection needs; Create a set of maps that prioritize exactly where the community should invest its limited resources in order to meet its goals related to acquisition of lands for conservation.

The Mobile County Commission proposes to partner with the Trust for Public Land, the Mobile Bay National Estuary Program, and the Alabama Coastal Foundation to implement this project.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HM-A1: Identifying and prioritizing sites of particular sensitivity, rarity, or value in the Mobile Bay NEP area included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Fowl River Shoreline Property Purchase**

PROJECT NUMBER: **MC-9**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
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	Mobile County Commission
	205 Government Street
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E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008**

ESTIMATED COST: **\$900,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$900,000.00

The Fowl River watershed in south Mobile County is subject to increased development pressures. The river is designated for fishing and swimming and is a very popular resource for local residents. The wetlands along the river are of high importance for flood protection and water quality. The goal of the project is the conservation of wetlands and riverfront property in the Fowl River watershed. The objective of the project is to utilize the results of the Mobile County Greenprint Project to pursue purchase of available priority parcels. The Mobile County Commission proposes to purchase one or more tracts of land (5 – 1000 acres) on Fowl River or within the watershed and manage the tract for conservation purposes. A deed restriction will be placed on the parcel. Elements of this project include appraising parcels for acquisition and developing and implementing a conservation management plan.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HM-C1: Maintain/Improve Beneficial Wetland Function included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Sensitive Habitat Restoration and Enhancement of County-owned Property**

PROJECT NUMBER: **MC-10**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$450,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$225,000.00

2009 - \$225,000.00

The Mobile County Commission owns a number of properties containing sensitive habitats that would benefit from restoration and enhanced management. The goal of this project is to enhance or restore sensitive habitats on county-owned property. The objective of the project is to undertake actions that will enhance and/or restore stream corridors and other sensitive habitats including the removal of invasive exotic species on county-owned property. The Mobile County Environmental Services Department will identify and prioritize sensitive habitats on county owned property for restoration or enhancement (50 - 1000 acres). Staff will attend training on stream restoration, wetland mitigation, and other appropriate topics. Once identified, the restoration/enhancements projects will be designed to meet current best

management practices, standards and regulations. The County Commission will seek reimbursement for travel and training costs incurred before the plan is approved for staff assigned to this project. This project will also include acquisition of equipment needed to implement and maintain the projects.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HU-B1: Assess Hydrologic Impact of Development Practices and Action HM-C1: Maintain/Improve Beneficial Wetland Function included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama**

PROJECT NUMBER: **MC-11**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mississippi Sound/Portersville Bay**

DURATION: **2008**

ESTIMATED COST: **\$250,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$250,000.00

It is a priority of the State of Alabama CIAP to support coastal observing systems as these systems provide much-needed data to understand and manage complex estuarine systems. Continuous, real-time observations in coastal Alabama began with support of the first CIAP program, administered by NOAA in 2001. Since then, Dauphin Island Sea Lab and the Mobile Bay National Estuary Program have partnered with the University of South Alabama, Weeks Bay National Estuarine Research Reserve, the Alabama Department of Conservation, State Land Division, Coastal Program, EPA's Gulf of Mexico Program and the Alabama Lighthouse Association to provide real-time data at four sites in the Mobile Bay area. Parameters being monitored at these sites include wind speed, wind direction, air temperature, barometric pressure, photosynthetically active radiation, precipitation, water temperature, dissolved oxygen, water height, and salinity. Real-time data are available in a user-friendly format at www.mymobilebay.com. This

informative website describes and graphs each parameter. Researchers may upload the data in a spreadsheet format any time for further analysis. Data from these stations can also be accessed through the National Data Buoy Center at http://www.ndbc.noaa.gov/maps/Alabama_inset.shtml.

Through a partnership, the State of Alabama, Baldwin County, and Mobile County will add monitoring sites in the Mississippi Sound/Porterville Bay area in Mobile County, and the Perdido Bay area in Baldwin County using CIAP funds. This project will construct data collection devices and monitor data throughout the project period.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. Volume II, Path to Success, includes a section on Water Quality. The goal of the entire section is stated on page 7 as: *“Attain and/or maintain water quality sufficient to support healthy aquatic communities and designated human uses by 2010.”* This project meets this goal through continual real time monitoring and data collection of water quality data.
- Cost Sharing: The monitors have been funded from many entities including: 2001 State of Alabama CIAP, Dauphin Island Sea Lab, Mobile Bay National Estuary Program, University of South Alabama, Weeks Bay National Estuarine Research Reserve, the Alabama Department of Conservation, State Land Division, Coastal Program, EPA’s Gulf of Mexico Program and the Alabama Lighthouse Association. Additional funding from the Emergency Disaster Response Fund (EDRF) is being utilized to purchase and maintain monitors in the Mississippi Sound, near the western boundary of Mobile County. This project will be a partnership between the State of Alabama CIAP entities; State of Alabama (\$100,000.00), Baldwin County (\$250,000.00) and Mobile County (\$500,000.00).

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **North Mobile County Wastewater Facilities**

PROJECT NUMBER: **MC-12**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: Northeast, Mobile County, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$1,500,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$1,000,000.00

2009 - \$500,000.00

The I-65/Highway 43 corridor between Satsuma and Mount Vernon in northeast Mobile County is home to high density residential and commercial land uses. Portions of this area of the County are served by publicly owned wastewater treatment facilities while other portions utilize onsite wastewater treatment/individual septic tanks, many of which are failing due to age, design, and lack of adequate maintenance. The goal of this project is to reduce pathogen introduction to local waters. The objective of this project is to expand publicly owned wastewater treatment in this area and reduce dependence on individually owned septic tanks. This project will construct/install wastewater treatment infrastructure along the I-65/Highway 43 corridor. If it is not possible to connect infrastructure to a publicly owned

treatment plant, then the project will consist of construction of at least one decentralized wastewater treatment system. Once constructed, the local jurisdiction will be responsible for operating these facilities.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action WQ-C1 Reduce Opportunities for Pathogen Introduction included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Bayfront Park Improvements**

PROJECT NUMBER: **MC-13**

PROJECT CONTACT: **Bayfront Park Improvements**

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: Mobile County, Alabama

DURATION: 2008

ESTIMATED COST: \$275,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$275,000.00**

In 2001, the Mobile County Commission utilized Coastal Impact Assistance Program funding to make improvements to Bayfront Park. Improvements included construction of boardwalks and onsite sewage infrastructure for restroom facilities. The park's location on the shores of Mobile Bay in south Mobile County places it adjacent to wetlands and waterfront. This provides an opportunity to protect sensitive habitat by controlling public access. The goal of the Bayfront Park Improvement project is to enhance public access along the shores of Mobile Bay in south Mobile County. The objective of the project is to provide infrastructure to enhance public access.

The project may but not be limited to the construction of a pier and boardwalk, and replacement of aging playground equipment, enhancement to entrance roads, refurbishment of picnic areas, lighting, and access to additional areas of the property.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action HU-C1: Increase Public Access and Eco-Tourism included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Coastal Research Weather Stations**

PROJECT NUMBER: **MC-14**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008**

ESTIMATED COST: **\$145,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$145,000.00

The University of South Alabama Mesonet program combines weather data collection for the National Weather Service and the University of South Alabama (USA) Weather Center with a program that makes the data collected available on the internet for students and teachers. The program also includes experts from USA providing local teachers with training on the importance and use of weather data in the classroom. The goal of the Coastal Research Weather Stations project is to enhance computer enabled environmental education activities for Mobile County students. The objective of the project is to establish weather stations throughout Mobile County that are connected to middle and high schools.

The project will include installation of at least six weather stations that contain wind monitors, barometers, temperature/humidity sensors, rain gauges, and soil moisture probes and that are connected to the internet.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The project is consistent with Authorized Use #4 as it implements Action EPI-A1: Enhance Public Education and Outreach included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **West Mobile County Conservation Property Acquisition**

PROJECT NUMBER: **MC-15**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008**

ESTIMATED COST: **\$800,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$800,000.00

West Mobile County is home to the Big Creek Watershed, the Escatawpa River Watershed, and other watersheds that contain undeveloped tracts of land. Big Creek Lake is the major drinking water source for Mobile County. The Escatawpa River is widely recognized as one of the finest undeveloped black water streams in the nation. Parts of the area are also identified as Gopher Tortoise (*Gopherus polyphemus*) habitat (listed as endangered in Mobile County). The goal of this project is to acquire, for conservation purposes, coastal areas in West Mobile County. The objective of the project is to utilize the results of the Mobile County Greenprint Project to pursue purchase of available priority parcels.

The Mobile County Commission proposes to purchase tracts of coastal areas (25 to 1000 acres) and manage the tracts for conservation purposes. Deed restrictions will be placed on these parcels. Elements

of this project include appraising potential parcels for acquisition and developing and implementing conservation management plans.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

9. PROPOSED TIER TWO PROJECT DESCRIPTIONS

a. State of Alabama Tier Two Project Descriptions

Project Number	Project Name
AL2-1	Biodiversity Inventories in Designated Protected Areas of Coastal Alabama
AL2-2	Monitor "at risk" Native Animal and Plant Communities (e.g. railid inventory as salt marsh indicator)
AL2-3	Development of Public Education and Outreach Materials and Equipment for Coastal Activities (e.g. water quality kiosk at Five Rivers, pontoon boat for educational field trips)
AL2-4	Implement and Expand Prescribed Burning Program
AL2-5	Expand Graduate Research Program at Weeks Bay National Estuarine Research Reserve
AL2-6	Expand Summer Curriculum for Elementary, High-school, and College students at Weeks Bay and Five Rivers
AL2-7	Alabama Coastal Area Management Plan Web Portal
AL2-8	Removal of Derelict Structures in Waterways from Hurricanes
AL2-9	Support of Natural Resource Damage Assessment Program (NRDA) in Coastal Alabama
AL2-10	Land Acquisition in the MTD (Honeycutt Bluffs and N.Q. Adams tracts)
AL2-11	Land Acquisition in the Escatawpa River Corridor and Grand Bay
AL2-12	Land Acquisition in the Red Hills (Molpus and Hancock Phase 1)
AL2-13	Ben May 10 Purchase (connects Mobile-Tensaw Delta to Perdido River)
AL2-14	Land Acquisition for Coastal Parcels not Eligible in the Forever Wild Program
AL2-15	Artificial Reefs Construction and Research and Development
AL2-16	Purchase of Land for Working Waterfront
AL2-17	Outreach for Local Marine Conservation Awareness Public Service Announcements
AL2-18	Communication Equipment for Storm Events
AL2-19	Dauphin Island Causeway Restoration, Protection, and Public Access Partnership Project
AL2-20	Renovation of Coastal Design Studio
AL2-21	Alabama Public Awareness Campaign
AL2-22	Upgrade of Land and Hydrographic Surveying Equipment
AL2-23	Bathymetric, Seismic, and Vibracore Survey of Federal Waters
AL2-24	Development of GIS-based Applications and Digital Data to Assist in Management of Alabama's Coastal Resources
AL2-25	Global Warming and Alabama Coastlines
AL2-26	Enhanced Groundwater Monitoring Program for Alabama Coastal Counties
AL2-27	Equipment Enhancement Grant for Geochemical Laboratory
AL2-28	Coastal Fishing Guide and Educational Outreach of Geological Issues in Alabama
AL2-29	Offshore Geophysical Imaging of Coastal Resources

Project Number	Project Name
AL2-30	Improvements to Marine Infrastructure to Improve Oil and Gas Board Regulatory and Enforcement Capacity
AL2-31	Erosion study of Coastal Alabama
AL2-32	Boat for Coastal Surveying and Sample Collection
AL2-33	Boat for Coastal Surveying and Sample Collection
AL2-34	Professional Design and Planning of Safe Harbor Facilities for Commercial Fishing Fleets

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Biodiversity Inventories in Designated Protected Areas of Coastal Alabama**

PROJECT NUMBER: **AL2-1**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Jo Lewis, Chief Natural Heritage Section
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard	Montgomery, Alabama 36130
	Spanish Fort, Alabama 36527	
Telephone	(251) 625-0814	(334) 242-3484
Fax	(251) 625-0864	(334) 242-0999
E-mail	cara.stallman@dcnr.alabama.gov	jo.lewis@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: **Designated protected areas throughout Coastal Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$500,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$125,000.00

2009 - \$125,000.00

2010 - \$125,000.00

2011 - \$125,000.00

The objective of this project is to conduct biological surveys of plant and animal biodiversity in designated protected areas. The goal of this project is to implement at least three studies in different locations of designated protected areas throughout the coast such as the Lillian Swamp, Perdido River Tract, or Grand Bay savanna. The results from these surveys will be used as supporting documentation for future grant applications and further research activities in the coastal area of Alabama. Additionally, it will also supplement the mission of the Natural Heritage Section.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item LR-A1 is to “Improve monitoring of key living resources”. Biodiversity studies will monitor key living resources.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: Monitor "at risk" Native Animal and Plant Communities (e.g. railid inventory as salt marsh indicator)

PROJECT NUMBER: **AL2-2**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Jo Lewis, Chief Natural Heritage Section
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard	Montgomery, Alabama 36130
	Spanish Fort, Alabama 36527	
Telephone	(251) 625-0814	(334) 242-3484
Fax	(251) 625-0864	(334) 242-0999
E-mail	cara.stallman@dcnr.alabama.gov	jo.lewis@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Designated Protected Areas throughout coastal Alabama

DURATION: 2008-2011

ESTIMATED COST: \$200,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$50,000.00

2009 - \$50,000.00

2010 - \$50,000.00

2011 - \$50,000.00

The objective of this project is to monitor species in coastal Alabama that can act as indicators of ecosystem health. The goal of this project is to initiate at least 3 studies which evaluate a species presence or absence to make larger conclusions of an ecosystems' health. For example, in previous years, the State Lands Division monitored railid species as salt marsh indicators. Higher number of these species could be an indication of successful conservation of certain habitat types.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item LR-A1 is to “Improve monitoring of key living resources”. Biodiversity studies will monitor key living resources.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Development of Public Education and Outreach Materials and Equipment for Coastal Activities (e.g. water quality kiosk at Five Rivers, pontoon boat for educational field trips)**

PROJECT NUMBER: **AL2-3**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Hank Burch, State Lands Manager
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	Five Rivers Alabama's Delta Resource Center
	30945 Five Rivers Boulevard	30945 Five Rivers Boulevard
	Spanish Fort, Alabama 36527	Spanish Fort, Alabama 36527
Telephone	(251) 625-0814	(251) 625-0814
Fax	(251) 625-0864	(251) 625-0864
E-mail	cara.stallman@dcnr.alabama.gov	hank.burch@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: **Coastal Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$1,250,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$312,500.00

2009 - \$312,500.00

2010 - \$312,500.00

2011 - \$312,500.00

This project will invest in materials to educate the public of conservation activities in coastal Alabama. Books, brochures, and videos describing the flora and fauna of coastal resources will be produced and distributed throughout coastal Alabama. Environmental education capacity will be increased using existing facilities owned by the State Lands Division such as Five Rivers Alabama's Delta Resource Center. A pontoon boat to increase educational tours of the delta and the coastal waterways will be purchased. A water quality kiosk could be constructed which would display water quality conditions via real time of all the coastal water quality monitors. The objective of this project would be to acquire/produce at least 5 products and services to be used to increase environmental awareness of coastal resources.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
-
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item EP1-A1 is to "Enhance Public Education and Outreach".
-
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Implement and Expand Prescribed Burning Program**

PROJECT NUMBER: **AL2-4**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Ricky Hunt, State Land Manager
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
	30945 Five Rivers Boulevard	Montgomery, Alabama 36130
	Spanish Fort, Alabama 36527	
Telephone	(251) 625-0814	(334) 242-3484
Fax	(251) 625-0864	(334) 242-0999
E-mail	cara.stallman@dcnr.alabama.gov	ricky.hunt@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Designated Protected Areas throughout coastal Alabama

DURATION: 2008-2011

ESTIMATED COST: \$100,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$25,000.00

2009 - \$25,000.00

2010 - \$25,000.00

2011 - \$25,000.00

Re-establishment of fire in historically fire-dependant communities is identified as a vital restoration strategy. Coastal Alabama longleaf pine ecosystems depend on fire to achieve and maintain a diverse understory. Long-term studies show that the frequent use of fire hastens initiation of height growth, reduces undesirable competing vegetation, and provides habitat for numerous flora and fauna. The Alabama Department of Conservation and Natural Resources State Lands Division (ADCNR SLD) will establish and implement burning plans in designated protected areas during the winter and growing season. In addition, fire frequency and duration will be documented and researched in order to maximize burning effectiveness. This project will increase the Division's existing capacity through funding support of labor, materials and equipment needed during the burns resulting in increased 1000 acres of burned areas in designated protected areas throughout the project period. In addition, construction of fire lines and mechanical removal of excess fuel will be implemented as needed. Burning will take place in designated protected areas of coastal Alabama including Grand Bay, Weeks Bay, Perdido River Corridor, and the Mobile-Tensaw Delta, and Splinter Hill Bog.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: Restoration of fire to fire-dependant communities will restore coastal areas.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Expand Graduate Research Program at Weeks Bay National Estuarine Research Reserve**

PROJECT NUMBER: **AL2-5**

PROJECT CONTACT (S):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Phillip Hinesley, Chief Coastal Section
Address	Alabama State Lands Division	Alabama State Lands Division, Coastal Section
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	Five Rivers Alabama's Delta Resource Center
	30945 Five Rivers Boulevard	31115 Five Rivers Boulevard
	Spanish Fort, Alabama 36527	Spanish Fort, Alabama 36527
Telephone	(251) 625-0814	(251) 621-1216
Fax	(251) 625-0864	(251) 621-1331
E-mail	cara.stallman@dcnr.alabama.gov	phillip.hinesley@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Weeks Bay Reserve, Fairhope Alabama and Five Rivers Alabama's Delta Resource Center, Spanish Fort, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$125,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$31,250.00

2009 - \$31,250.00

2010 - \$31,250.00

2011 - \$31,250.00

The graduate research program at Weeks Bay National Estuarine Research Reserve will be enhanced by soliciting research proposals from universities, the Dauphin Island Sea Lab, Mobile Bay National Estuary Program, state agencies and other entities. The research will address the following issues: living resources and coastal processes, cumulative and secondary impacts, surface water quality including continuous/real-time monitoring, groundwater quality and quantity, habitat restoration techniques & methodologies, and alternative shoreline stabilization methodologies along estuaries and bays. The objective of this project will be to implement at least 4 research projects addressing the topics listed above.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item EP1-A1 is to “Enhance Public Education and Outreach”. This project will enhance public education of coastal resources.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Expand Summer Curriculum for Elementary, High-school, and College students at Weeks Bay and Five Rivers**

PROJECT NUMBER: **AL2-6**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Phillip Hinesley, Chief Coastal Section
Address	Alabama State Lands Division	Alabama State Lands Division, Coastal Section
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	Five Rivers Alabama's Delta Resource Center
	30945 Five Rivers Boulevard	31115 Five Rivers Boulevard
	Spanish Fort, Alabama 36527	Spanish Fort, Alabama 36527
Telephone	(251) 625-0814	(251) 621-1216
Fax	(251) 625-0864	(251) 621-1331
E-mail	cara.stallman@dcnr.alabama.gov	phillip.hinesley@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Weeks Bay Reserve, Fairhope Alabama and Five Rivers Alabama's Delta Resource Center, Spanish Fort, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$40,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$10,000.00

2009 - \$10,000.00

2010 - \$10,000.00

2011 - \$10,000.00

This project will develop and implement a summer education program for elementary, high school and college students. Funds will be used to purchase equipment and materials, hire temporary staff, and cover miscellaneous expenses associated with the successful execution of a comprehensive education program. The summer education program will offer opportunities for students to participate in learning experiences that can not be met or mimicked in traditional classroom settings. Curricula and lessons will be developed that reinforce classroom instruction with hands on experiential activities. Advanced secondary students will be encouraged to work with Weeks Bay staff to develop their own original research and present the results of the research at a regional conference.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item EP1-A1 is to “Enhance Public Education and Outreach”. This project will enhance public education of coastal resources.
-
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Alabama Coastal Area Management Plan Web Portal**

PROJECT NUMBER: **AL2-7**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Phillip Hinesley, Chief Coastal Section
Address	Alabama State Lands Division	Alabama State Lands Division, Coastal Section
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008

ESTIMATED COST: \$50,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$50,000.00**

The Alabama Coastal Area Management Program (ACAMP) is a dynamic program that is highly interactive with the citizens and governments of the two Alabama coastal counties. A web-portal is an extension of a basic information website by serving as a place to access a collection of information. In

addition to providing general information of the ACAMP's mission, goals and current project descriptions, the web-portal would provide the user access to online applications for grant projects, public access projects, and volunteer inquires. Through this portal, the completed online applications would be sent directly to the managing staff member for review and process. Web portals also have the ability to provide customized user accounts for repeat visitors, password access for data entry, real-time notification and updates, and outside resource links.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item EP1-A1 is to “Enhance Public Education and Outreach”. This project will enhance public education of coastal resources.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Removal of Derelict Structures in Waterways from Hurricanes**

PROJECT NUMBER: **AL2-8**

PROJECT CONTACT (s):

Name	Cara Stallman, Natural Resource Planner
Address	Alabama State Lands Division
	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center
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PROJECT SUMMARY

LOCATION: Coastal Alabama
DURATION: 2008-2011
ESTIMATED COST: \$250,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$62,500.00
2009 - \$62,500.00
2010 - \$62,500.00
2011 - \$62,500.00

As a direct result of Hurricanes Ivan and Katrina, there are a number of dilapidated piers and docks and other underwater obstructions throughout Alabama's coastal waters. These structures have been identified

by aerial photos and side scan sonar. These structures create a negative impact on the coastal environment and are a hazard to navigation. In addition to the dilapidated piers and docks, derelict abandoned vessels located in state waters are a public safety hazard to navigation and an environmental hazard. The project proposes the removal of dilapidated piers, docks and derelict abandoned vessels from state waters in the coastal area and the cooperation of State Lands Division and Marine Resources Division in obtaining data and surveying these structures and or vessels in the coastal area.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification: Removal of debris will mitigate damage caused by Hurricane Ivan and Hurricane Katrina.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Support of Natural Resource Damage Assessment Program (NRDA) in Coastal Alabama**

PROJECT NUMBER: **AL2-9**

PROJECT CONTACT (S):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Will Brantley, State Lands Manager
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	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: Coastal Alabama

DURATION: 2008-2011

ESTIMATED COST: \$400,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$100,000.00

2009 - \$100,000.00

2010 - \$100,000.00

2011 - \$100,000.00

The objective of this project is to assist ADCNR State Lands Division staff in developing and implementing a Natural Resource Damage Assessment (NRDA) program for the State of Alabama. This project will enhance ADCNR's ability to work with both state and federal regulators in their commenting role relating to various Superfund sites in Alabama. The program will follow a federal protocol for formal damage assessments. Additionally, the state will continue work with the all Trust partners to expedite settlement negotiations and developing other tools in working with industry to resolve natural resource damage liabilities. This project can also fund specialized data collection and analysis relating to hazardous releases.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification: Resolution of natural resource damage liabilities from damage meets the definition of Authorized Use #2.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Land Acquisition in the MTD (Honeycutt Bluffs and N.Q. Adams tracts)**

PROJECT NUMBER: **AL2-10**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: Mobile-Tensaw Delta, Baldwin County and Mobile County

DURATION: 2008-2011

ESTIMATED COST: \$5,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$5,000,000.00**

The Mobile-Tensaw Delta (MTD) encompasses approximately 200,000 acres at the base of the 43,600 square mile Mobile Basin. It is recognized as being Alabama's largest National Natural Landmark (National Park Service designation). The Alabama Department of Conservation and Natural Resources

State Lands Division and the Forever Wild Land Trust acquired almost 48,000 acres of bottomland hardwood swamp in the late 1990's. This landmark acquisition was followed by the acquisition of another 7,000 acres of the MTD with the support of other federal land acquisition programs such as the North American Wetlands Conservation Act and the Forest Legacy program. The objective of this project is to continue the efforts described above by conserving 2,000 – 3,000 acres of wetland or adjacent surrounding upland habitat of the Mobile Tensaw Delta.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Land Acquisition in the Escatawpa River Corridor and Grand Bay**

PROJECT NUMBER: **AL2-11**

PROJECT CONTACT (S):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center	64 North Union Street
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PROJECT SUMMARY

LOCATION: Western Mobile County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$5,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$5,000,000.00**

Southwestern and western Mobile County has many opportunities for land acquisition projects.

First, the Escatawpa River forms the western border between Alabama and Mississippi. The total acreage of the Escatawpa River Longleaf Hills project area is 20,000 acres, owned by one family trust. Analysis of GIS data indicates that this 20,000 acre tract is comprised of 75 percent upland and 20 percent wetland forests, with the remaining five percent being open water. Much of the upland forested land is naturally regenerated timber, with large components of longleaf pine. The tract is intersected by 25 miles of the Escatawpa River (about 30 percent of its entire length) and 29 miles of tributary stream of this classic blackwater river system. The Escatawpa River is a major tributary to the Pascagoula River, which in turn is part of the Grand Bay National Estuarine Research Reserve's watershed area. The tract encompasses both banks of large portions of the Escatawpa and its tributaries, directly protecting the river and the system's water quality, and, ultimately, the health of the estuaries at the Pascagoula River's termination in the Gulf of Mexico. The tract is readily manageable and strategically located to initiate a regional conservation project that will protect the biodiversity of this relatively small but extremely unique blackwater stream watershed. Thousands of acres of southeastern longleaf pine habitat along with bottomland wetland make up this area. The objective of this project is to acquire 2,000 – 3,000 acres of this target tract. This project complements a Mobile County Tier One Project: 'Escatawpa Hollow River Park Acquisition and Improvements'. In this project, Mobile County will acquire a key parcel to access the Escatawpa River conservation land targeting in this project.

Second, the Grand Bay savanna is located in southwestern Mobile County adjacent to the Mississippi Sound. The State of Alabama and the U.S. Fish and Wildlife Service (Grand Bay National Estuarine Research Reserve) have already acquired almost 10,000 acres of this unique wetland habitat. Additional parcels may be available for purchase in this area which will link and enhance existing conservation property.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: This project complements a Mobile County Tier One project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Land Acquisition in the Red Hills (Molpus and Hancock Phase 1)**

PROJECT NUMBER: **AL2-12**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: Monroe County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$10,730,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$10,730,000.00**

The objective of this project is to acquire conservation land in the Red Hills or Buhrstone / Lime Hills of the southeastern plains region of Alabama. The tract is readily manageable and strategically located to initiate a regional conservation project to protect the biodiversity of Alabama's Red Hills Region. The tract

supports upland deciduous forest, mixed mesic slope forest and scrub/shrub, and forested wetlands that are transected by 7.3 miles of small creeks that feed the larger Big Flat Creek. Big Flat Creek is the most upstream tributary to the Alabama River on the eastern bank below its first impoundment, Claiborne Dam. During the summer dry season the salt wedge from the Mobile-Tensaw Delta system is known to reach as far upstream as Claiborne Dam. These streams provide un-impounded headwater habitat for numerous catadromous and anadromous species. There is a significant potential to acquire several adjacent large tracts in the near future. The project area lies within 40 miles of Alabama's largest holding of state owned conservation land- the Mobile Tensaw Delta Wetland Conservation Area, which comprises approximately 112,000 acres of publicly owned and managed land. Lastly, the target tract is known to support the federally listed as Threatened Red Hills Salamander and about 25 percent of the tract is designated salamander habitat.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Ben May 10 Purchase (connects Mobile-Tensaw Delta to Perdido River)**

PROJECT NUMBER: **AL2-13**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Greg Lein, Assistant Director
Address	Alabama State Lands Division	Alabama State Lands Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: North Baldwin County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$11,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$11,000,000.00**

The objective of this project is to acquire conservation land which would function as a vital component of a landscape scale corridor between the Mobile Tensaw Delta and the Perdido River. The total acreage of the project area could range from 10,000 to 15,000 acres. This tract of land lies between two of the three main coastal waterways of Alabama, the Mobile-Tensaw River Delta and the Perdido River). The Mobile

Tensaw Delta Wetland Conservation Area (MTD) is composed of approximately 112,000 acres of publicly owned and managed land, and the recently created Perdido River Habitat Conservation Area (PR) has had 23,000 acres of land recently acquired for conservation along its Alabama side. The Florida side of the Perdido River offers 8,500 acres of conservation land along its length. The target tract lies less than three miles east of the MTD and only one mile west of one of the Perdido River's headwater streams, Dyas Creek and the 2,278 acre Splinter Hill Bog Preserve, which is comprised of tracts owned by the Alabama State Lands Division (SLD) and the Forever Wild Land Trust (FW) and tracts owned by The Nature Conservancy (TNC).

Acquisition of the target tract, or alternate tracts along the MTD/PR corridor, is part of a proposed corridor that would connect significant conservation lands in coastal Mississippi, Alabama and Florida. Such a corridor would originate at the Grand Bay National Wildlife Refuge in Mississippi, then up the Escatawpa River Corridor, thence eastward to the Mobile-Tensaw River Delta, then southeasterly long the Perdido River corridor, where it would connect to the Northwest Florida Greenway. Ultimately, connection of the existing conservation holdings to the east and west may create a regionally significant base of land that would protect coastal habitats within this landscape well into the 22nd Century.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Land Acquisition for Coastal Parcels not Eligible in the Forever Wild Program**

PROJECT NUMBER: **AL2-14**

PROJECT CONTACT (S):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Stevens R. Heath, Chief Marine Biologist
Address	Alabama State Lands Division	Alabama Marine Resources Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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	30945 Five Rivers Boulevard	Gulf Shores, Alabama 36547
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E-mail	cara.stallman@dcnr.alabama.gov	steve.heath@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: Coastal Alabama

DURATION: 2008-2011

ESTIMATED COST: \$5,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$5,000,000.00**

Incremental fragmentation of prime coastal habitats is a great conservation concern. Losses and degradation of coastal wetlands, barrier islands, maritime forest, and other critical habitats are occurring at a staggering rate. It is not always possible or practical to buy large parcels of land to conserve coastal

habitats. In most cases, these areas are privately owned, and are broken into small parcels. At times, these parcels can become available for purchase by private development which can cause cumulative impacts to these resources.

The Marine Resources Division (MRD) of the Alabama Department of Conservation and Natural Resources proposes to set aside CIAP funds for identifying and efficiently purchasing these parcels as they become available. With the passage of recent devastating storms, it seems that much of Alabama's coast is currently for sale and many such properties are currently available. Conventional government land acquisition programs in the form of site-specific grants often move very slowly. As with any land purchase, it is often the immediate availability of funds that can make or break the deal. Due diligence in establishing value and applying funds would be exercised in each case.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Artificial Reefs Construction and Research and Development**

PROJECT NUMBER: **AL2-15**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Stevens R. Heath, Chief Marine Biologist
Address	Alabama State Lands Division	Alabama Marine Resources Division
	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: Coastal Alabama

DURATION: 2008-2011

ESTIMATED COST: \$1,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$1,000,000.00**

As development of Alabama's coast continues, demand for high-quality fishing opportunities increases concomitantly. Alabama has one of the largest and most active artificial reef development programs anywhere in the world. The program consists of inshore and offshore components. Just over 1,200 square miles of offshore Alabama have been designated in perpetuity as reef development zones, within

which the Marine Resources Division (MRD) of the Alabama Department of Conservation and Natural Resources oversees the deployment of some 1,000 (average) individual reefs per year. The MRD also administers a large and growing inshore reef program for smaller vessels, with inshore reefs now numbering in the mid-twenties with no developmental end in sight.

The MRD proposes to use CIAP funds to continue the development of artificial reef habitats inshore and offshore. Inshore sites will be developed through co-management, utilizing the collective expertise of agency scientists and local fishing organizations to determine appropriate sites and materials for enhancement. Offshore, the zones will be utilized for reef deployment, and research will be conducted to examine contributions of the reefs to fish stock health and angler success.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will restore coastal areas.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Purchase of Land for Working Waterfront**

PROJECT NUMBER: **AL2-16**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Stevens R. Heath, Chief Marine Biologist
Address	Alabama State Lands Division	Alabama Marine Resources Division
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PROJECT SUMMARY

LOCATION: Coastal Alabama

DURATION: 2008-2011

ESTIMATED COST: \$5,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$5,000,000.00**

As development of Alabama's coast continues, the associated land costs have increased. Subsequently, many seafood shops have lost their facilities as rental property is sold for upscale development. In addition, docking facilities for vessels and infrastructure are lost along with access to ice and fuel. To ensure that fresh seafood remains available to consumers, the maintenance of working waterfronts is

essential to the maximization of seafood resources and support for a way of life. Integration into existing Heritage Trails would expand the tourist industry in south Alabama.

The Marine Resource Division (MRD) will use CIAP funds to purchase parcels of waterfront land to serve as a seafood industrial park(s). Prioritization for land acquisition would be Bayou La Batre, central Mobile Bay, and Bon Secour areas. Establishment of ice, fuel, trucking, and supply facilities will be established through private ownership. These areas can be integrated into the existing Seafood Heritage Trail, allowing public access to the parks and fostering education through informational signs and outreach brochures.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Outreach for Local Marine Conservation Awareness Public Service Announcements**

PROJECT NUMBER: **AL2-17**

PROJECT CONTACT (S):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Stevens R. Heath, Chief Marine Biologist
Address	Alabama State Lands Division	Alabama Marine Resources Division
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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$60,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$200,000.00**

Coastal Alabama has experienced significant increases in human population in recent years. This growth impacts the local marine environment through indirect consequences such as erosion, storm water runoff, and wastewater discharge and direct consequences such as increased use of marine resources for

consumptive and non-consumptive purposes. Additionally, new residents may have limited knowledge of the marine ecosystem and how their activities impact it.

The Alabama Department of Conservation and Natural Resources, Marine Resources Division (ADCNR/MRD) proposes to use CIAP funds to develop outreach materials or products to address issues which have local importance and relevance. The ADCNR/MRD will develop brochures, television infomercials, web presence, etc. Topics for outreach materials may include but are not limited to invasive species, commercial harvests, recreational bag limits, bycatch, shoreline development, and habitat protection and enhancement.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. Volume II, Path to Success, includes a section on Education and Public Involvement. The goal of the section is stated on page 80 as: “Increase awareness of natural resource issues and promote understanding and participation in conservation and stewardship activities.”
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Communication Equipment for Storm Events**

PROJECT NUMBER: **AL2-18**

PROJECT CONTACT (s):

	Primary Contact	Secondary Contact
Name	Cara Stallman, Natural Resource Planner	Stevens R. Heath, Chief Marine Biologist
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	Department of Conservation and Natural Resources	Department of Conservation and Natural Resources
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PROJECT SUMMARY

LOCATION: Coastal Alabama

DURATION: 2008-2011

ESTIMATED COST: \$60,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$60,000.00**

The Marine Resources Division (MRD) of the Alabama Department of Conservation and Natural Resources conducts estuarine and marine resources management, including biological sampling and routine enforcement of fishery regulations. In addition, natural disasters such as hurricanes place MRD personnel in the field under adverse conditions when radio and cellular communications systems are

compromised or inoperable. Fishing activities can be efficiently monitored using portable thermal imaging equipment; this equipment has the added benefit of enhancing public service during emergency response efforts.

The MRD will use CIAP funds to purchase and maintain satellite telephones and at least three years of operational service for all the primary biological and enforcement vessels in the agency's fleet. The MRD also plans to purchase satellite reception discs and video monitors for use in the Division's mobile response trailers, and thermal imaging sensors for fishery monitoring.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In 2006, the Federal Emergency Management Agency approved the updates to the 2004 Baldwin County Hazard Mitigation Plan. Mitigation Measure 5.5 is entitled "Emergency Communications" and its goal is to "improve emergency communications with dedicated radio frequency". Satellite phones will function during any event in any location and will be a crucial component of effective emergency response.
- Cost Sharing: Cost sharing is not applicable to this project. .

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Dauphin Island Causeway Restoration, Protection, and Public Access Project Partnership**

PROJECT NUMBER: **AL2-19**

PROJECT CONTACT (s):

	Primary Contact
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PROJECT SUMMARY

LOCATION: Southeastern Mobile County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$2,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$2,000,000.00**

The Dauphin Island Parkway is a north-south road linking Interstate 10 to Dauphin Island in southern Mobile County. The three mile section of road on the Dauphin Island Parkway between Heron Bay

Bridge and the Dauphin Island Bridge is an engineered causeway with an elevation of approximately 4-foot above sea level. Due to the low elevation and direct exposure to Mobile Bay the causeway is highly susceptible to extensive storm surge damage during tropical storms and hurricanes.

The goal of the project is to use environmentally sound engineering techniques to reduce wave energy and subsequent erosion along the Dauphin Island Parkway in order to protect the causeway and increase public access. The objectives of the project are to expand the protective buffer along the right of way of the causeway, restore and enhance the causeway shoreline to promote wetland vegetation re-growth, improving the habitat for marine life, and to provide additional public access points. This project was suggested by the Mobile Bay National Estuary Program.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will restore coastal areas.
- Cost Sharing: Mobile County has included this project as a Tier Two project. In addition, the Mobile Bay National Estuary Program and the U.S. Army Corps of Engineers have pledged support of this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Renovation of Coastal Design Studio**

PROJECT NUMBER: **AL2-20**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: Dauphin Island, Mobile County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$250,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$250,000.00

The objective of this project is to enhance the capacity of Dauphin Island Sea Lab's (DISL) Coastal Design Studio. This program has the potential to provide for an innovative, practical but exciting academic initiative involving DISL, Auburn University, and the Civil Engineering department at the University of South Alabama to promote wise land use practices throughout coastal Alabama. There is a need for

further renovation money, funds for management of the program and one or two graduate stipends to encourage continued student involvement on a year-round basis. The funding estimate is \$250,000.00, of which \$100,000.00 would be used for construction and \$150,000.00 would be used for operational funds. This would build on a prior investment and provide the link between human ecology and desire to conserve and protect the water and waterfront characteristics of the coastal area of Alabama.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item HU-A1 is to “Develop and implement comprehensive land use planning”. The Coastal Design Studio facilitates comprehensive land use planning in coastal Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Alabama Public Awareness Campaign**

PROJECT NUMBER: **AL2-21**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: **N/A**

DURATION: **2008-2011**

ESTIMATED COST: **\$500,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$500,000.00

The objective of this project is to develop an environmental public awareness campaign for South Alabama that engenders stewardship and/or behavior change in the local populations with relation to a specific environmental issue. The objective of this project is to develop and implement an environmental public awareness campaign for Alabama.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The Mobile Bay National Estuary Program Comprehensive Conservation Management Plan was approved for implementation in 2002 by the U.S. Environmental Protection Agency. The objective of action item EP1-A1 is to “Enhance Public Education and Outreach”. This project will enhance public education of coastal resources.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Upgrade of Land and Hydrographic Surveying Equipment**

PROJECT NUMBER: **AL2-22**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$156,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$156,000.00**

The purpose of the project is to upgrade the Geological Survey of Alabama's (GSA) methods of topographic and geospatial surveying by upgrading equipment for mobile RTK-GPS technology. The equipment upgrade will provide a highly accurate platform for rapid hazard assessments (e.g., oil spills, hurricanes) and will facilitate delineations and trend analysis for the conservation and restoration of

existing habitat. This equipment upgrade would allow GSA to generate data compatible with public and private survey groups and will facilitate data development and dissemination.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will enable the Geological Survey of Alabama to perform accurate geospatial surveys of Alabama's beaches and other coastal areas and will provide a highly accurate platform for rapid hazard assessments (e.g., oil spills, hurricanes). Delineations and trend analyses generated from the surveys will assist in the conservation, protection, and restoration of beaches and other coastal areas.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Bathymetric, Seismic, and Vibracore Survey of Federal Waters**

PROJECT NUMBER: **AL2-23**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$1,150,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$1,150,000.00**

High-quality sand resources in state waters for renourishment of Alabama beaches are being exhausted. The purpose of the project is to conduct bathymetric, seismic, and vibracore surveys and to perform sedimentological analyses offshore of Mobile and Baldwin Counties. The project will identify potential federal sand for renourishment of Alabama beaches.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification: This project will identify potential federal sand for renourishment that can be used to mitigate ongoing damage to Alabama beaches due to tropical storms, hurricanes and anthropogenic causes.
- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Development of GIS-based Applications and Digital Data to Assist in Management of Alabama's Coastal Resources**

PROJECT NUMBER: **AL2-24**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: **N/A**

DURATION: **2008-2011**

ESTIMATED COST: **\$675,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$ 675,000.00

This project will develop numerous GIS-based applications and associated digital data to assist in management of Alabama's coastal Resources. Four applications will be developed as a result of this project.

1. GIS-based Erosion Modeling of Mobile and Baldwin Counties: The purpose of this project is to create a model to determine area's potential for erosion under land clearing or changing land use (clearing, conversion from timber to agriculture, etc.). The output will be polygon shapefiles with an assigned erodability index that can be used by local planning entities in land use decision making processes and may also be utilized by regulatory entities to conduct monitoring activities.
2. Shoreline Classification of Mobile Bay: The shoreline of Mobile Bay will be classified using high-resolution aerial photographs and field (boat) work. The classifications would include habitat, erosion, landuse, and shoreline protection.
3. Land Use/Land Cover Classification: A Land Use/Landcover classification of Mobile and Baldwin Counties will be developed from year 2005 Landsat 5 data. The project will include classification of the 2005 scenes as well as change detection comparing the 2005 classification with those of years 2000 and 1995.
4. Turbidity study of Mobile Bay: Sediment data and multitemporal Landsat data will be analyzed to determine patterns of turbidity on a temporal scale in Mobile Bay. One Landsat image for each month will be obtained, and multispectral analyses will be performed to analyze turbidity, flow patterns, sediment type (mineralogy), and the variations of these in a seasonal perspective.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The results of GIS-based erosion modeling of Mobile and Baldwin Counties can be used by local planning entities in land-use decision making processes and may also be utilized by regulatory entities to conduct monitoring activities, thus helping to conserve and protect the Alabama coastal area. The classification of the Mobile Bay shorelines will provide the information necessary to conserve and protect the bay and will provide a baseline for future restoration activities. The Land Use/Landcover classification of Mobile and Baldwin Counties will provide the information necessary to conserve and protect the coastal counties and will provide a baseline for future restoration activities. An historical analysis of turbidity through time will show how changes in sedimentation have impacted fish and wildlife habitat, and will help identify those areas needing conservation, protection, or mitigation.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Global Warming and Alabama Coastlines**

PROJECT NUMBER: **AL2-25**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$85,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$85,000.00**

The goals of the project include the analysis of ancient greenhouse climates through geologic history and their direct effects on Alabama's ancient coastline/relative sea levels, development of an overview of the Alabama paleoclimate, and an evaluation of current trends in global warming and projections of the effects of rising sea level and warming climate on Alabama's coastline and marine/estuarine environments.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The project will identify those areas of the coast most sensitive to climate change and sea-level rise and will provide planning entities with the information necessary to adjust programs to conserve and protect the areas as the climate and sea level change.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Enhanced Groundwater Monitoring Program for Alabama Coastal Counties**

PROJECT NUMBER: **AL2-26**

PROJECT CONTACT (s):

	Primary Contact
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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008

ESTIMATED COST: \$150,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$150,000.00**

The Geological Survey of Alabama (GSA) has collected daily ground-water levels at monitoring wells around the state for nearly 25 years. The data has proved invaluable to monitoring salt-water intrusion, drought, draw down of ground-water resources in high use areas, and ground-water quality in selected

areas. Ground water is an often overlooked component of the coastal hydrologic system yet it fulfills a crucial role in supplying drinking water and is critical to wetland functions and the conservation and protection of fish and wildlife resources. Hardware used for this long-term GSA project is dated and needs upgrading. The purpose of this project is to upgrade all ground-water level monitoring equipment in Alabama's coastal area, examine the need for additional deep and (or) shallow ground-water monitoring wells, and provide real-time access of GSA level monitoring data via the Web and improved management of in-house data files.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
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- Justification: The project will provide data crucial to monitoring salt-water intrusion, drought, draw down of ground-water resources in high use areas, and ground-water quality in selected areas necessary to adjust programs to conserve and protect water supply and wetlands in coastal areas.
-
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Equipment Enhancement Grant for Geochemical Laboratory**

PROJECT NUMBER: **AL2-27**

PROJECT CONTACT (s):

	Primary Contact
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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$250,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$250,000.00**

The GSA geochemical laboratory is EPA, USGS, and ADEM certified for analysis of drinking water samples as well as providing analytical support for ground and surface water studies conducted by GSA

staff. The laboratory has recently participated in a series of investigations of mercury in Alabama's coastal counties including surface water quality in the Mobile-Tensaw Delta, surface water quality evaluation in the Weeks Bay watershed, and a water-quality study of the D'Olive Creek watershed. The GSA desires to continue water resources work in Alabama's coastal area because of the pressing needs of managing and protecting surface and ground water quality, fish and wildlife populations, and wetland functions. Equipment in the GSA laboratory is aging and several of the major instruments need to be replaced. Replacing these critical infrastructure parts of the GSA's water resources program is crucial for maintaining our research and service missions in general, our future work in Alabama's coastal areas, and continued work as a State certified lab.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
-
- Justification: Replacement of these critical infrastructure parts of the GSA's water resources program is crucial for maintaining our research and service missions in general; our future work in Alabama's coastal areas necessary to provide technical assistance to agencies responsible for the conservation, protection, or restoration activities; and continued work as a State certified lab.
-
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Coastal Fishing Guide and Educational Outreach of Geological Issues in Alabama**

PROJECT NUMBER: **AL2-28**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$400,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$400,000.00**

The objective of this project is to increase awareness and public education of coastal Resources. First, a guide of the coastal fishes in Alabama would be produced. The Mobile-Tensaw River Delta and Mobile

Bay support a wide variety of fishes exploited by both commercial and recreational fishermen. With increasing emphasis on conservation, protection, and management of the fish and wildlife resources in the area a small, field-ready pocket guide to fish species would be a useful educational tool for the public to better understand Alabama's unique coastal fishes. The color field guide could include freshwater, estuarine, and marine fishes commonly caught on hook and line, species harvested commercially, and non-game species of interest to the public. The guide would include photographs, identification material, maps, and other important conservation and ecological information. Cost of this project would result in a production ready draft.

Second, this project aims to enhance education and outreach of geological issues in Alabama. The purpose of this project is to provide a series of workshops for government officials, educators, and the general public about aspects of coastal geology of general interest to society. These would include oil and gas resources, coastal dynamics, and the groundwater issues in a coastal Alabama.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland
-
- Justification: The field guide would include photographs, identification material, maps, and other important conservation and ecological information necessary for the conservation, protection, or restoration of coastal areas. The results of this outreach project and associated activities will provide essential information for the conservation, protection, or restoration of coastal areas.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Offshore Geophysical Imaging of Coastal Resources**

PROJECT NUMBER: **AL2-29**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: **N/A**

DURATION: **2008-2011**

ESTIMATED COST: **\$593,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$593,000.00

1. Seismic Processing Capabilities: The purpose of this project is to purchase software and equipment to enable in-house processing of seismic data at the Geological Survey of Alabama (GSA). The purchase of workstation, data storage, and software, with yearly licensing and support, would allow

the GSA to process and interpret marine seismic reflection data from the Mobile Bay area and other areas in Alabama coastal waters, e.g., target areas identified for sand resources projects.

2. Geological and Shallow Environmental Geophysical Equipment: The purpose of this project is to update and or acquire equipment necessary to conduct environmental geophysical surveys and other geological survey and core analysis. This would allow for quick and easy conduction of shallow high resolution on-shore geophysical surveys for the purpose of environmental assessment, target identification, and other projects, while providing ground-truthing of the data through geological analysis. For example, ground penetrating radar (GPR) can assist in monitoring sand replenishment efforts, as well as basic near-surface environmental impact surveys.
3. Marine Geophysical Survey Equipment Purchase: The purpose of this project is to purchase equipment that will enable the Geological Survey of Alabama (GSA) to conduct own near-shore marine geophysical surveys. This would allow the GSA to better target possible areas of interest (including but not limited to identification of sands for beach replenishment), and allow for rapid response surveys in the case of natural disasters.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification: This project will identify potential sand resources which may be available for beach renourishment that can be used to mitigate ongoing damage to Alabama beaches due to tropical storms, hurricanes and anthropogenic causes.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Improvements to Marine Infrastructure to Improve Oil and Gas Board Regulatory and Enforcement Capacity**

PROJECT NUMBER: **AL2-30**

PROJECT CONTACT (s):

	Primary Contact
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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$45,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$45,000.00**

1. Replace Oil and Gas Board Engines: The purpose of the project is to increase the reliability and efficiency of the equipment utilized by the Oil & Gas Board to monitor the regulatory compliance of operators with wells and facilities located in State waters. New, state-of-the-art engines which

employ the latest fuel efficiency technology would reduce operating and maintenance costs while increasing the reliability of that equipment; thereby, enhancing the regulatory “presence” and enforcement capabilities of the Board in State waters.

2. Provide a Boat Lift at Marine Resource Division's facilities on Dauphin Island for the Oil and Gas Board Boat: The purpose of the project is to increase the efficiency of the Oil and Gas Board’s staff by improving equipment that must be utilized to monitor the regulatory compliance of operators with wells and facilities located in State waters and to provide for more timely enforcement responses when needed. Currently, the Board’s boat is trailered and must be driven a considerable distance and launched (requiring 2 people) prior to conducting compliance and enforcement activities in State waters. The construction and use of a boat lift at the ADCNR’s office would place the Board’s boat in close proximity to the operations that come under its regulatory jurisdiction; thereby, providing for increased efficiencies through shorter operating distances (which translate into lower operating costs and less staff time), and the elimination of the need for a second person to launch the boat. Such efficiencies enhance the utility of the boat as a compliance monitoring and enforcement tool for the Board which, in turn, encourages further use of the boat; thereby enhancing the regulatory “presence” of the Board in State waters.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #5: mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.
- Justification: The results of this project will provide regulatory reliability and efficiency necessary for the mitigation of the impact of Outer Continental Shelf activities.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Erosion study of Coastal Alabama**

PROJECT NUMBER: **AL2-31**

PROJECT CONTACT (s):

	Primary Contact
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PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$250,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$250,000.00**

Parts of coastal Alabama are experiencing accelerated stream bank erosion and/or sedimentation. The purpose of the project is to study stream bank erosion and sedimentation in Mobile and Baldwin Counties, and to make recommendations for the mitigation of identified problem areas.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The study will identify those areas where accelerated erosion and sedimentation are occurring and make recommendations that will help mitigate the problems and facilitate the conservation and protection of streams in coastal Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Boat for Coastal Surveying and Sample Collection**

PROJECT NUMBER: **AL2-32**

PROJECT CONTACT (s):

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PROJECT SUMMARY

LOCATION: **N/A**

DURATION: **2008-2011**

ESTIMATED COST: **\$70,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$70,000.00

This project will purchase a boat to transport RTK-GPS surveying and multi-beam echo-sounding equipment and vibracore equipment in order to support natural resource (beach-quality sand) and other studies in coastal Alabama.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The boat will be used to transport surveying and data collection equipment that will be used in beach monitoring and the search for sand resources for beach nourishment which will support the conservation, protection, and restoration of beaches and other coastal areas.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Professional Design and Planning of Safe Harbor Facilities for Commercial Fishing Fleets**

PROJECT NUMBER: **AL2-33**

PROJECT CONTACT (s):

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E-mail	cara.stallman@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: **N/A**

DURATION: **2008-2011**

ESTIMATED COST: **\$500,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$500,000.00

The destruction caused by Hurricane Katrina to the seafood industry in Alabama was tremendous through the elimination of the fishing vessels and shore facilities. Also, a great deal of localized environmental

damage occurred to our bays and inland waterways, compromising Alabama's fishery. A large number of vessels broke free from the moorings. Some of these vessels sunk and some drifted as much as two to three miles inland, primarily into fragile estuarine systems. Another result of Hurricane Katrina is reduced dock facilities available to commercial fishing fleets. For example, the State Port Authority in Bayou La Batre provided dockage for forty (40) vessels prior to the storm. The storm destroyed all infrastructure at this location and yet has not been replaced.

There is technology which provides cost effective methods to develop and expand harbor facilities while maintaining environmental and economic needs of the area. This technology can provide adequate moorage for fishing and other fleets preventing oils spills. Further, facilities can be constructed to provide vessels safety during storm events. Facilities can be constructed to store boats and eliminate expensive transportation costs, thus saving expensive transport costs. The objective of this project is to invest CIAP funds in the professional design and planning of these facilities which can safely harbor fishing vessels and other crafts. The planning will occur in areas such as Bayou La Batre in Mobile County and Bon Secour in Baldwin County.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
-
- Justification: Sea Grant is a nationwide network (administered through the National Oceanic and Atmospheric Administration [NOAA]), of 30 university-based programs that work with coastal communities. Priority Theme Area 2 of the Mississippi Alabama Sea Grant Consortium Strategic Plan is entitled "Coastal Community Resiliency and Resource Management Priority". This plan was revised and approved by NOAA SeaGrant in October of 2006. The goal of this theme is "to provide economic leadership in maintaining a balance between coastal development and historical activities in coastal communities. A strategic action associated with this objective includes the following: "assess socioeconomic issues of working waterfront communities relative to future management and development." Planning safe harbor facilities in coastal Alabama meet this strategic objective.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Alabama State Lands Department of Conservation and Natural Resources**

PROJECT TITLE: **Engineering and Acquisition of Easements to Relocate a Sewer Outfall from Threemile Creek to Mobile River in Mobile County**

PROJECT NUMBER: **AL2-34**

PROJECT CONTACT (s):

	Primary Contact
Name	Cara Stallman, Natural Resource Planner
Address	Alabama State Lands Division
	Department of Conservation and Natural Resources
	Five Rivers Alabama's Delta Resource Center
	30945 Five Rivers Boulevard
	Spanish Fort, Alabama 36527
Telephone	(251) 625-0814
Fax	(251) 625-0864
E-mail	cara.stallman@dcnr.alabama.gov

PROJECT SUMMARY

LOCATION: N/A

DURATION: 2008-2011

ESTIMATED COST: \$3,400,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$3,400,000.00**

This project involves relocation of area wastewater treatment facilities to a 120 acre site on the north end of Blakeley Island, adjacent to the Mobile River. The relocation and formation of a sewer supply district are final recommendations of a Regional Wastewater Project Report (EPA Grant # XP96404204) which is

currently being completed. Participants of the sewer supply district, to be known as the Alabama Gulf Coast Regional Sewer Supply District (District), are the Chickasaw Utility Board, the Mobile Area Water & Sewer System, and Mobile County. Other utilities may join in the future.

First, this project will relocate the current treated wastewater discharges of each participant to the eventual discharge site of the completed regional wastewater treatment facility. This First Step involves constructing a new outfall to Mobile River for what will eventually be the outfall for the regional wastewater treatment facility. Through a system of new pumping stations and force mains, participants would then transfer wastewater, already treated in existing facilities, to the new regional outfall. This step would improve the environment by immediately removing nutrient loadings from Threemile Creek and Chickasaw Creek tributaries. (Threemile Creek is currently impaired by organic enrichment/dissolved oxygen and is listed in Alabama's Section 303(d) list of impaired waterbodies.)

First, CIAP funds will be used to purchase the easements needed for the pumping stations, force mains and outfall arrangement, including necessary surveying, legal, and land costs for the easements. Second, CIAP funds will be used to cover the cost associated with the engineering and design of the wastewater treatment facility.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will aid in the restoration of Threemile Creek by removing a point source discharge of wastewater effluent.
- Cost Sharing: This project is an early phase of a multi-year program to create the Alabama Gulf Coast Regional Sewer Supply District. Other funding sources, local, state and federal, will be used to accomplish the project.

b. Baldwin County Tier Two Project Descriptions

Project Number	Project Name
BC2-1	Erosion Control Equipment for Highway Department
BC2-2	Enhancement of Recycling Facility at Magnolia Landfill
BC2-3	Household Hazardous Waste Amnesty Day
BC2-4	Water & Wastewater Infrastructure Study

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Erosion Control Equipment for Highway Department**

PROJECT NUMBER: **BC2-1**

PROJECT CONTACT:

Name	Julie Batchelor
Address	Baldwin County Commission
	Baldwin County Planning & Zoning Department
	312 Courthouse Square, Suite 18
	Bay Minette, AL 36507
Telephone	(251) 580-1655
Fax	(251) 937-0293
E-mail	jbatchelor@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: **Silverhill, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$480,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

\$480,000.00

Baldwin County is almost completely surrounded by water and numerous waterways flow throughout the County. These waters are at risk for impacts from sediment input from a variety of sources. These include agricultural activities, silvicultural activities, land clearing for new construction and dirt road construction and maintenance. The goal of this initiative is to reduce the detrimental environmental impacts to the waterways of Baldwin County. The objective of this initiative is the purchase of equipment to be used by the County Highway Department and the County Parks and Public Lands Department to reduce the potential for erosion. The types of equipment included in this initiative could include but are not limited to hydroseeders, hay-bale shredders and erosion control blankets.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The focus of this initiative will be for protection to coastal waters and wetlands.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Enhancement of Recycling Facility at Magnolia Landfill**

PROJECT NUMBER: **BC2-2**

PROJECT CONTACT:

Name	James Ransom, Jr.
Address	Baldwin County Commission
	Baldwin County Solid Waste Department
	15140 County Road 19
	Summerdale, Alabama 36580
Telephone	(251) 972-6826
Fax	(251) 972-6827
E-mail	jransom@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: **Magnolia Sanitary Landfill, Summerdale, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$300,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2009 - \$300,000.00

The goal of this initiative is to expand the operating capabilities of the Baldwin County recycle facility. The Baldwin County Solid Waste Department operates a voluntary recycling program that involves collecting and processing newspaper, aluminum cans, plastic bottles, and cardboard. The recycling program processing center is located at the Magnolia Sanitary Landfill in Summerdale, AL approximately three miles north of US HWY 98 and five miles west of State Highway 59. The Magnolia Landfill is located approximately eight miles from Weeks Bay. The Baldwin County Solid Waste Department and the Magnolia Landfill are owned and operated by the Baldwin County Commission. Currently, the recycle center operates one horizontal baler for baling cardboard, one vertical baler for baling plastic and aluminum, and one truck loading dock. The recycle center was constructed in 2006 and became fully operational in October 2006. Citizens are encouraged to place recyclable materials in containers staged

throughout Baldwin County. Currently there are twenty-two containers in Baldwin County. At the time the current recycle center was designed, only fourteen containers were located in Baldwin County. With the increased number of containers combined with the rapid increase in the population of Baldwin County, the volume of recyclable material entering the recycle center has greatly increased. Recycle containers are emptied onto the floor of the recycle center, and the various materials are separated for processing. Unauthorized materials, such as household garbage, may 'contaminate' the load of recyclables and must be separated from the recyclables. Due to the time required to separate recyclables from contaminants and the floor space required to perform the separation, a subsequent load of recyclables may have to be disposed of in the landfill.

In an effort to increase the amount of recyclable material processed as well as eliminate recyclables from being disposed of in the Magnolia Landfill, the current recycle center would be expanded. The existing building includes an area under cover of a roof that would be enclosed to provide greater floor space and allow for an additional vertical baler and another loading dock. Increased safety features for the original facility would be included in the proposed building expansion so that the increased volume of recyclable material may be processed safely.

The existing building includes a mezzanine that may be used for storage as well as a viewing platform to allow visitors to watch the recycling process. The mezzanine is not ADA accessible and must be accessed from an exterior stairway. The addition of an elevator will allow the mezzanine to be fully accessible to visitors and will encourage schools and other organizations to visit the center for educational purposes.

It is hoped that by increasing the capacity of the facility, the increase in tonnage of plastic, cardboard, and aluminum recycled would be increased by 30 percent. It is also hoped that the facility would see an increase of 50 percent in the number of visitors coming to the recycle center for educational purposes.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: It will allow the recycling facility to increase its capacity to process the ever-increasing volume of recyclables received. It will also provide the opportunity for greater educational awareness of the benefits of recycling.
- Cost Sharing: : This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Household Hazardous Waste Amnesty Day**

PROJECT NUMBER: **BC2-3**

PROJECT CONTACT:

Name	James Ransom, Jr.
Address	Baldwin County Commission
	Baldwin County Solid Waste Department
	15140 County Road 19
	Summerdale, Alabama 36580
Telephone	(251) 972-6826
Fax	(251) 972-6827
E-mail	jransom@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: Baldwin County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$150,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

\$150,000.00

In the past, the Baldwin County Commission has sponsored Household Hazardous Waste Amnesty Days. These events have been very successful in terms of attendance and the amount of household hazardous waste received. The goal of this initiative is to provide citizens a way to safely dispose of hazardous wastes and to increase public awareness of the importance of proper disposal. The objective is to hold two (2) Household Hazardous Waste Amnesty Days to provide the opportunity for proper disposal of hazardous wastes . In addition, the events will serve as an opportunity to provide the public with educational material related to this and other environmental concerns.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project is consistent with Authorized Use #4 as it implements Action WQ-D2: Provide for Safe Disposal of Hazardous Waste and Action EPI-A1: Enhance Public Education and Outreach included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Baldwin County Commission**

PROJECT TITLE: **Water & Wastewater Infrastructure Study**

PROJECT NUMBER: **BC2-4**

PROJECT CONTACT:

Name	Julie Batchelor
Address	Baldwin County Commission
	Baldwin County Planning & Zoning Department
	312 Courthouse Square, Suite 18
	Bay Minette, AL 36507
Telephone	(251) 580-1655
Fax	(251) 937-0293
E-mail	jbatchelor@co.baldwin.al.us

PROJECT SUMMARY

LOCATION: **Baldwin County, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$90,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
\$90,000.00

Baldwin County receives all of its drinking water from groundwater sources. There is also a large agricultural presence in the county that draws a significant amount of water from the aquifer with numerous irrigation wells. In addition, many homeowners have private wells. All of this usage places a great demand on one of our natural resources most critical for survival – our drinking water. In addition, it is important to address the environmental impacts that the treatment of much of this water eventually has on the county's waterways in the form of wastewater effluent. With the continued growth and demand on the water and wastewater systems within Baldwin County, it is imperative that the County have current information that reflects the state of these systems and be able to plan for future expansions.

The goal of this study is to gather information to assess the quality and quantity of groundwater in Baldwin County and determine the environmental impacts of treated wastewater on the waterways of the County. There are several objectives included in this initiative. This study would determine the locations and

existing capacities of the current water and wastewater systems throughout Baldwin County. It would identify potential development areas and corresponding water and wastewater impacts. It would also provide aquifer information and determine methods for monitoring available ground water supply volumes and quality. It would provide recommendations for ensuring that Baldwin County's water and wastewater needs are being adequately addressed in the best interest of the County's residents and in accordance with the County's Strategic Plan. It is hoped that this study could be used to work with regulatory agencies to incorporate innovative methods of water conservation and wastewater reuse.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification: This study would provide the County with information to facilitate proactive planning to address environmental impacts on groundwater and streams in Baldwin County.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

c. Mobile County Tier Two Project Descriptions

Project Number	Project Name
MC2-1	North Mobile County Conservation Property Acquisition
MC2-2	South Mobile County Conservation Property Acquisition
MC2-3	Beach and Sand Cleaning Equipment
MC2-4	South Mobile County Decentralized Wastewater Facilities
MC2-5	Dauphin Island Causeway Restoration, Protection, and Public Access Project Partnership
MC2-6	West Mobile County Decentralized Wastewater Facilities
MC2-7	Theodore Ship Channel Boat Access
MC2-8	Erosion & Sediment Control
MC2-9	Mobile County Land Use Plan
MC2-10	Establishment of a Mobile County Recycling Facility
MC2-11	Erosion Control Equipment for Public Works Department
MC2-12	Communication Equipment for Storm Events

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **North Mobile County Conservation Property Acquisition**

PROJECT NUMBER: **MC2-1**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: Mobile County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$1,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$1,000,000.00**

North Mobile County is home to portions of the Mobile River delta and numerous creeks and streams. Parts of the area are also identified as Gopher Tortoise (*Gopherus polyphemus*) habitat (listed as endangered in Mobile County). The goal of this project is to acquire, for conservation purposes, coastal areas in North Mobile County. The objective of the project is to utilize the results of the Mobile County Greenprint Project to pursue purchase of available priority parcels.

The Mobile County Commission proposes to purchase tracts (25 – 1000) of coastal areas and manage the tracts for conservation purposes. Deed restrictions will be placed on these parcels. Elements of this project include appraising potential parcels for acquisition and developing and implementing conservation management plans.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **South Mobile County Conservation Property Acquisition**

PROJECT NUMBER: **MC2-2**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$1,000,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$1,000,000.00

South Mobile County reaches the shores of the Mississippi Sound and is home to many acres of wetland and pine savanna. Federal and State programs have recognized the value of this coastal area and included portions of south Mobile County in the Grand Bay National Estuarine Research Reserve and the Grand Bay Wildlife Refuge as well as the State of Alabama Forever Wild Program. The goal of this project is to acquire, for conservation purposes, coastal areas in South Mobile County. The objective of the project is to utilize the results of the Mobile County Greenprint Project to pursue purchase of available priority parcels.

The Mobile County Commission proposes to purchase tracts (25 – 1000 acres) of coastal areas and manage the tracts for conservation purposes. Deed restrictions will be placed on these parcels. Elements of this project include appraising potential parcels for acquisition and developing and implementing conservation management plans.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will acquire land for conservation within the coastal area of Alabama.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Beach and Sand Cleaning Equipment**

PROJECT NUMBER: **MC2-3**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: Mobile County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$95,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$95,000.00**

The sugar white sand of the coastal areas of Mobile County is a valuable resource. As such, an appropriate management measure is to clean and sift sandy areas to maintain consistency and composition. The goal of this project is to have the capacity to clean beaches and sandy areas. The objective of the project is to acquire the specialized equipment needed to clean beaches and other sandy right of way areas.

The Mobile County Commission will purchase beach and sand cleaning equipment and train personnel to operate this equipment.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #2: mitigation of damage to fish, wildlife, or natural resources.
- Justification: Hurricanes and other tropical events produce surge and high water levels that leave behind debris, much of which is deposited along sandy shorelines and rights of way. This activity falls within Activity #2 as it will mitigate damage to natural resources by improving local government's capacity to remove debris and protect the sand resource.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **South Mobile County Decentralized Wastewater Facilities**

PROJECT NUMBER: **MC2-4**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County**

DURATION: **2008-2011**

ESTIMATED COST: **\$2,500,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$2,500,000.00

Census and building permit data confirm that the areas experiencing the highest rates of development in Mobile County are areas that are not served by centralized wastewater treatment infrastructure. This means that there are many subdivisions and other types of development designed to be served by on-site wastewater (septic tanks). Individual systems often suffer failure from lack of maintenance and/or damage from rising floodwaters. Further, there are many aging on-site systems that were built to lower standards, were damaged by Hurricane Katrina, and/or are not being maintained. The goal of this project is the reduction of pathogens to local waters. The objective of the project is to construct decentralized wastewater systems that will be maintained by a publicly owned wastewater treatment system.

The Mobile County Commission proposes to partner with local publicly owned wastewater treatment systems to construct at least one decentralized wastewater treatment system in south Mobile County.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The project is consistent with Authorized Use #4 as it implements **Action WQ-C1 Reduce Opportunities for Pathogen Introduction** included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan. The Mobile County Commission does not intend to use CIAP funds for cost sharing or matching for this project.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Dauphin Island Causeway Restoration, Protection, and Public Access Project Partnership**

PROJECT NUMBER: **MC2-5**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: Southeastern Mobile County, Alabama

DURATION: 2008-2011

ESTIMATED COST: \$1,000,000.00

**SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$1,000,000.00**

The Dauphin Island Parkway is a north-south road linking Interstate 10 to Dauphin Island in southern Mobile County. The three mile section of road on the Dauphin Island Parkway between Heron Bay Bridge and the Dauphin Island Bridge is an engineered causeway with an elevation of approximately 4-foot above sea level. Due to the low elevation and direct exposure to Mobile Bay the causeway is highly susceptible to extensive storm surge damage during tropical storms and hurricanes.

The goal of the project is to use environmentally sound engineering techniques to reduce wave energy and subsequent erosion along the Dauphin Island Parkway in order to protect the causeway and increase public access. The objectives of the project are to expand the protective buffer along the right of way of

the causeway, restore and enhance the causeway shoreline to promote wetland vegetation re-growth, improving the habitat for marine life, and to provide additional public access points. This project was suggested by the Mobile Bay National Estuary Program.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1: projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: This project will restore coastal areas.
- Cost Sharing: The State of Alabama has included this project as a Tier Two project. In addition, the Mobile Bay National Estuary Program and the U.S. Army Corps of Engineers have pledged support of this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **West Mobile County Decentralized Wastewater Facilities**

PROJECT NUMBER: **MC2-6**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$2,500,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$2,500,000.00

Census and building permit data confirm that the areas experiencing the highest rates of development in Mobile County are areas that are not served by centralized wastewater treatment infrastructure. This means that there are many subdivisions and other types of development designed to be served by on-site wastewater (septic tanks). Individual systems often suffer failure from lack of maintenance and/or damage from rising floodwaters. Further, there are many aging on-site systems that were built to lower standards, were damaged by Hurricane Katrina, and/or are not being maintained. The goal of this project is the reduction of pathogens to local waters. The objective of the project is to construct decentralized wastewater systems that will be maintained by a publicly owned wastewater treatment system. The Mobile County Commission proposes to partner with local publicly owned wastewater treatment systems to construct at least one decentralized wastewater treatment system in west Mobile County.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: The project is consistent with Authorized Use #4 as it implements **Action WQ-C1 Reduce Opportunities for Pathogen Introduction** included in the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan. The Mobile County Commission does not intend to use CIAP funds for cost sharing or matching for this project.
- Cost Sharing: Cost sharing is not applicable to this project.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Theodore Ship Channel Boat Access**

PROJECT NUMBER: **MC2-7**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Theodore, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$1,000,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$1,000,000.00

The Theodore Ship Channel (formerly Middle Fork Deer River) provides access to middle Mobile Bay for nearby industry. In the past, this river provided fishers and boaters easy access to local waters. The goal of the Theodore Ship Channel Boat Access project is to increase public access to Mobile Bay. The objective of the project is to provide citizen boaters with easy access to the channel. The project will include construction of a boat ramp and parking area under/near the Rangeline Road Bridge. This will include limited shoreline stabilization, placement of pervious material in the parking area, and installation of lighting.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a Federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In April of 2002 the Environmental Protection Agency approved the Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan (MBNEP CCMP). The action plan objective HU-C1 states: *“Increase public access and ecotourism opportunities.”* Construction of key nature-based tourism areas will clearly meet this objective.

In addition to the MBNEP CCMP, the Alabama Coastal Management Plan (ACAMP) states the following as a Management Program Policy Statement under Resources of the Coastal Area: *“It is the policy of the Alabama Coastal Area Management Program to encourage the development of low impact, environmentally sensitive or ecotourism activities such as birding, nature trails and wetland boardwalks and parks.”* Construction of key nature-based tourism areas will clearly meet this objective.

- Cost Sharing: Cost sharing is not applicable to this project

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: Erosion & Sediment Control

PROJECT NUMBER: **MC2-8**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: Mobile County, Alabama

DURATION: 2008-2009

ESTIMATED COST: \$900,000.00

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:

2008 - \$450,000.00

2009 - \$450,000.00

Mobile County has an inventory of approximately 416 miles of dirt roads that are controlled and maintained by the Mobile County Public Works Department. The Public Works Department performs regular maintenance on these roads to include placement of new road material, road grading, shoulder work, and maintenance of drainage ditches. Even with proper maintenance, these dirt roads can still have a detrimental impact on surrounding waters. This initiative will provide for a surface treatment and/or stabilization of portions of environmentally sensitive dirt roads where impacts are occurring. With assistance from the Public Works Department, those roads which have the greatest impact on streams will be identified and categorized for treatment. The goal of this initiative is the protection of coastal areas, including wetlands, by reducing erosion and contributing to improved water quality. The objective is to treat approximately 10 miles of roadway which would provide erosion control and sediment transport protection to downstream areas.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The focus of this initiative will be for protection to coastal waters and wetlands.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: Mobile County Land Use Plan

PROJECT NUMBER: **MC2-9**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$300,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
FY 2007 - \$300,000.00

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2009**

ESTIMATED COST: **\$300,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$300,000.00

The unincorporated areas of Mobile County are experiencing rapid population growth as many suburban areas and commercial sites are developed. With increased growth comes the potential for loss of wetlands and open space and negative impacts on water quality, animal habitats and recreational areas. The goal of this project is to establish a Comprehensive Land Use Plan for Mobile County. The objective is to create

goals, objectives and policies for all elements of the plan to help guide the growth of Mobile County. An element of the Comprehensive Land Use Plan will address the conservation, use and protection of these natural resources including water quality, wetlands, estuarine marshes, beaches, flood plains, fisheries and marine habitats. The plan will address the need to provide open space and public access for the citizens of Mobile County. Although growth is inevitable, the Comprehensive Land Use Plan will provide the guidance to direct that development to the areas for which it is best suited while continuing to preserve our natural resources.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4, implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: This project meets Authorized Use #4 by supporting the Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan (CCMP). Included in this plan is Action HU-A1 – Develop and Implement Comprehensive Land Use Plan.
- Cost Sharing: This project will be administered using CIAP funds, NOAA Coastal Zone Management funds (\$25,000.00), and Baldwin County matching funds (\$25,000.00)

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Establishment of a Mobile County Recycling Facility**

PROJECT NUMBER: **MC2-10**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$1,000,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$1,000,000.00

The goal of this project is to establish a Mobile County Recycling Facility to reduce the amount of recyclable materials deposited in landfills. The City of Mobile's Keep Mobile Beautiful Program operates a voluntary recycling program that involves collecting and processing newspaper, aluminum and steel cans, plastic bottles, cardboard and glass. The recycling program processing center is located in historic downtown Mobile. While this location is successful, it is not convenient for Mobile County residents that live outside Mobile City's historic downtown or midtown area. Mobile County would like to partner with the City of Mobile to add an additional recycling center in the Mobile City limits. If a partnership with the City of Mobile is not feasible, then a recycling center will be established in an appropriate location in the unincorporated area of the County.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: Opportunities for Mobile County citizens to reduce the amount of refuse deposited in landfills will be increased. The project will also provide the opportunity for greater educational awareness of the benefits of recycling.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Erosion Control Equipment for Public Works Department**

PROJECT NUMBER: **MC2-11**

PROJECT CONTACT:

Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
E-mail	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Mobile County, Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$480,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$480,000.00

Mobile County is bordered to the east by the Mobile River and Mobile Bay and to the south by the Mississippi Sound. Additionally, numerous waterways flow throughout the County. These waters are at risk for impacts from sediment input from a variety of sources. These include agricultural activities, silvicultural activities, land clearing for new construction and dirt road construction and maintenance. The goal of this initiative is to reduce the detrimental environmental impacts to the waterways of Mobile County. The objective of this initiative is the purchase of equipment to be used by the County Public Works Department and the County Parks and Recreation Department to reduce the potential for erosion. The types of equipment included in this initiative could include but are not limited to hydroseeders, hay-bale shredders and erosion control blankets.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #1, projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.
- Justification: The focus of this initiative will be for protection to coastal waters and wetlands.
- Cost Sharing: This project will be completely administered using CIAP funds. No cost sharing or matching will be used.

STATE OF ALABAMA

COASTAL IMPACT ASSISTANCE PLAN

DESIGNATED STATE AGENCY OR CPS: **Mobile County Commission**

PROJECT TITLE: **Communication Equipment for Storm Events**

PROJECT NUMBER: **MC2-12**

PROJECT CONTACT:

	Primary Contact
Name	Bill Melton, Environmental Services Director
Address	Mobile County Public Works
	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-3229
Fax	(251) 574-4722
<u>E-mail</u>	bmelton@mobile-county.net

PROJECT SUMMARY

LOCATION: **Coastal Alabama**

DURATION: **2008-2011**

ESTIMATED COST: **\$60,000.00**

SPENDING ESTIMATE PER CALENDAR YEAR OF PROJECT DURATION:
2008 - \$60,000.00

The Mobile County Public Works Department is responsible for damage assessment and emergency repairs to infrastructure county-wide including the development of a mass grave and shelter reinforcement. The nature of assessment and recovery responsibilities places Mobile County Public Works personnel in the field under extreme weather events when radio and cellular communications systems are compromised or inoperable. This equipment has the added benefit of enhancing public service during emergency response efforts.

The Mobile County Public Works Department will use CIAP funds to purchase and maintain satellite telephones and at least three years of operational service for all the primary enforcement crews. The

Mobile county Public Works Department also plans to purchase satellite reception discs and video monitors for use in the Department's Road and Bridge Camps.

AUTHORIZED USES

- This project meets the criteria set forth in Authorized Use #4: implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
- Justification: In 2006, the Federal Emergency Management Agency approved the Mobile County Long Term Recovery Plan which included action items related to improving communication during disasters.
- Cost Sharing: Cost sharing is not applicable to this project.

10. APPENDICES

APPENDIX A

Letter from Governor Bob Riley designating the State of Alabama as the Lead Agency to Administer the State of Alabama Coastal Impact Assistance Program

OFFICE OF THE GOVERNOR

BOB RILEY
GOVERNOR



STATE CAPITOL
MONTGOMERY, ALABAMA 36130

(334) 242-7100
FAX: (334) 242-0937

STATE OF ALABAMA

November 3, 2005

Ms. R.M. "Johnnie" Burton
Director
Minerals Management Service
1849 C Street, N. W.
Washington, D.C. 20240-0001

Dear Ms. Burton:

Pursuant to the Energy Policy Act of 2005, HR3, amendment to the Outer Continental Shelf Lands Act (43 USC 1356 et seq), this letter officially designates the Alabama Department of Conservation and Natural Resources as this state's agency authorized to represent and act for Alabama in dealing with the Department of the Interior, Minerals Management Service regarding Section 384.31 and the Coastal Impact Assistance Program.

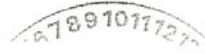
I appreciate your attention to this matter and ask that you contact Mr. M. Barnett Lawley, Commissioner of the Department of Conservation and Natural Resources, with any questions you may have. He may be reached at (334) 242-3486.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Barnett Lawley".

BR/sl/dw

CC: Mr. M. Barnett Lawley



APPENDIX B

Advertisement for Public Meeting published in Mobile Press Register and Baldwin Register to announce public meetings in the development of the CIAP. This advertisement was published on February 24, 2007 and March 4, 2007.

Public Information Meeting
Announcing the Development of
the State of Alabama,
Baldwin County and Mobile County
Coastal Impact Assistance Program (CIAP) Plan

Tuesday March 6, 2007 at 6:00 pm
Five Rivers Alabama's Delta Resource Center
Alabama Department of Conservation and Natural Resources
State Lands Division
30945 Five Rivers Boulevard
(Mobile Causeway)
Spanish Fort, AL 36527

For questions concerning the meeting please contact:

The Alabama Department of Conservation and Natural Resources
State Lands Division
(251) 625-0814 or
(800) LAND-ALA

Advertisement for Public Meeting published in Mobile Press Register and Baldwin Register to announce public meetings in the development of the CIAP. This advertisement was published on February 24, 2007 and March 4, 2007.

Public Information Meeting
Announcing the Draft State of Alabama
Coastal Impact Assistance Program (CIAP) Plan

Thursday August 30, 2007 at 6:00 pm
Five Rivers Alabama's Delta Resource Center
Alabama Department of Conservation and Natural Resources
State Lands Division
30945 Five Rivers Boulevard
(Mobile Bay Causeway)
Spanish Fort, AL 36527

Representatives from the State of Alabama
Department of Conservation and Natural Resources,
Baldwin County Commission, and
Mobile County Commission will be in attendance.

For questions concerning the meeting please contact:

The Alabama Department of Conservation and Natural Resources
State Lands Division
(251) 621-1238 or
(800) LAND-ALA

APPENDIX D

Written Comments on Draft State of Alabama Coastal Impact Assistance Program (CIAP) Plan. A summary of public comments received will be included in this section. Written comments were accepted from August 30, 2007 until October 1, 2007 (32 days).

APPENDIX E

Certification of Public Participation (Final CIAP Plan will contain signed copy by Governor Bob Riley).

Governor of Alabama's Certification

I, Bob Riley, Governor of the State of Alabama, hereby certify to the United States Secretary of Interior that to the best of my knowledge and belief I certify that ample opportunity has been provided for public participation in the development of the State of Alabama Coastal Impact Assistance Plan (Section 1356a(c)(2)(B)(ii)(IV)).

.
Certified on this the ___ day of _____, 2007.

Bob Riley, GOVERNOR
STATE OF ALABAMA

APPENDIX F

PROJECT LIST TABLES

1. State of Alabama

- a. State of Alabama Tier One Projects for Fiscal Year 2007 (Table 1)
- b. State of Alabama Tier One Projects for Fiscal Year 2008 (Table 1)
- c. State of Alabama Tier One Projects Total and Percentage by Authorized Use (Table 2)
- d. State of Alabama Tier Two Projects for Fiscal Year 2007-2008 Page 1 (Table 1)
- e. State of Alabama Tier Two Projects for Fiscal Year 2007-2008 Page 2 (Table 1)

2. Baldwin County

- a. Baldwin County Tier One Projects for Fiscal Year 2007
- b. Baldwin County Tier One Projects for Fiscal Year 2008
- c. Baldwin County Tier One Projects Total and Percentage by Authorized Use
- d. Baldwin County Tier Two Project for Fiscal Year 2007-2008

3. Mobile County

- a. Mobile County Tier One Projects for Fiscal Year 2007
- b. Mobile County Tier One Projects for Fiscal Year 2008
- c. Mobile County Tier One Project Total and Percentage by Authorized Use
- d. Mobile County Tier Two Projects for Fiscal Year 2007-2008

Project List Tables

1. State of Alabama

**STATE OF ALABAMA
TIER 1 PROJECTS
PROPOSED BY STATE OF ALABAMA FOR FY 2007
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS**

TABLE 1

Project Title	Total Estimated Cost (\$ millions)	Funding Request by Year			
		2008	2009	2010	2011
Authorized Use 1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.					
1 Acquisition of Perdido River Longleaf Hills: South Addition	\$6,906,655.00	\$6,906,655.00			
3 Equipment and Infrastructure Improvements to Enhance Land Conservation Management and Activities in Coastal Areas	\$642,503.46	\$642,503.46			
4 Investigation of Restoration of Hydrology on Mobile Bay Causeway	\$500,000.00	\$500,000.00			
6 Restoration of Gulf State Park Campground Vegetation	\$245,000.00	\$98,000.00	\$49,000.00	\$49,000.00	\$49,000.00
7 Longleaf Pine Restoration at Gulf State Park	\$420,000.00	\$279,000.00	\$141,000.00		
9 Gulf State Park Land Management Program	\$750,000.00	\$187,500.00	\$187,500.00	\$187,500.00	\$187,500.00
Subtotal (\$):	\$9,464,158.46	\$8,613,658.46	\$377,500.00	\$236,500.00	\$236,500.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.					
1					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.					
1 Administration of the Coastal Impact Assistance Program	\$415,223.62	\$103,803.40	\$103,803.40	\$103,803.40	\$103,803.40
Subtotal (\$):	\$415,223.62	\$103,803.40	\$103,803.40	\$103,803.40	\$103,803.40
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.					
1 Infrastructure Improvements at Key Nature-Based Tourism Areas (e.g. Grand Bay Observation Tower and Wetland Boardwalk)	\$136,669.03	\$34,167.26	\$34,167.26	\$34,167.26	\$34,167.26
2 Weeks Bay National Estuarine Research Reserve Education and Multipurpose Building construction	\$1,392,503.47	\$1,392,503.47			
3 Investigation and Control of Non-native Terrestrial Exotic and Nuisance Species in Designated Protected Areas	\$900,000.00	\$225,000.00	\$225,000.00	\$225,000.00	\$225,000.00
4 Gulf State Park Fishing Pier Reconstruction	\$4,000,000.00	\$4,000,000.00			
5 Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$100,000.00	\$100,000.00			
Subtotal (\$):	\$6,529,172.51	\$5,751,670.73	\$259,167.26	\$259,167.26	\$259,167.26
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.					
1 GIS-based Inventory of Oil and Gas Leased Tracts Including Pipelines and Infrastructure	\$200,000.00	\$200,000.00			
Subtotal (\$):	\$200,000.00	\$200,000.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)	\$16,608,554.59	\$14,669,132.59	\$740,470.66	\$599,470.66	\$599,470.66

**STATE OF ALABAMA
TIER 1 PROJECTS
PROPOSED BY STATE OF ALABAMA FOR FY 2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 1**

Project Title	Total Estimated Cost (\$ millions)	Funding Request by Year			
		2008	2009	2010	2011
Authorized Use 1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.					
1 Reintroduction of Native Vegetation in Areas Converted for Silvicultural or Agricultural Activities (e.g. reforestation of longleaf areas)	\$2,500,000.00	\$625,000.00	\$625,000.00	\$625,000.00	\$625,000.00
2 Wetland restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River	\$500,000.00	\$125,000.00	\$125,000.00	\$125,000.00	\$125,000.00
3 Expansion of Fisheries Data Collection and Purchase of Research and Construction Equipment to Extend the Marine Resource Division's Coastal Resource Management Capacity	\$1,530,000.00	\$900,000.00	\$630,000.00		
Subtotal (\$):	\$4,530,000.00	\$1,650,000.00	\$1,380,000.00	\$750,000.00	\$750,000.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.					
1 Restoration of Wildlife and Plant Communities to Habitat Disturbances	\$500,000.00	\$125,000.00	\$125,000.00	\$125,000.00	\$125,000.00
2 Freshwater Mollusk and Fish Enhancement and Restoration in Coastal River Systems	\$1,000,000.00	\$400,000.00	\$200,000.00	\$200,000.00	\$200,000.00
Subtotal (\$):	\$1,500,000.00	\$525,000.00	\$325,000.00	\$325,000.00	\$325,000.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.					
1 Administration of the Coastal Impact Assistance Program	\$415,213.62	\$103,803.41	\$103,803.41	\$103,803.41	\$103,803.41
Subtotal (\$):	\$415,213.62	\$103,803.41	\$103,803.41	\$103,803.41	\$103,803.41
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.					
1 Infrastructure Improvements at Key Nature-Based Tourism Areas (e.g. Grand Bay Observation Tower and Wetland Boardwalk)	\$363,330.97	\$90,832.74	\$90,832.74	\$90,832.74	\$90,832.74
2 Water-Based Nature Trail Development in Coastal Alabama	\$750,000.00	\$187,500.00	\$187,500.00	\$187,500.00	\$187,500.00
3 Gulf State Park Environmental Education Center	\$3,000,000.00	\$500,000.00	\$2,500,000.00		
4 Improvements to the Marine Resources Division's facilities at Claude Peteeet Mariculture Center in Gulf Shores	\$4,500,000.00	\$2,000,000.00	\$2,500,000.00		
5 Infrastructure Improvements to Marine Resource Division's facilities on Dauphin Island, Alabama to Facilitate Fisheries Management Research and Management of Coastal Resources	\$550,000.00	\$550,000.00			
6 External Audit of Marine Resource Division's Biological Sampling and Analysis Programs	\$1,000,000.00	\$1,000,000.00			
Subtotal (\$):	\$10,163,330.97	\$4,328,332.74	\$5,278,332.74	\$278,332.74	\$278,332.74
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)	\$16,608,544.59	\$6,607,136.15	\$7,087,136.15	\$1,457,136.15	\$1,457,136.15

**STATE OF ALABAMA
TIER 1 PROJECTS
PROPOSED BY THE STATE OF ALABAMA FOR FY 2007 and 2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 2**

Authorized Use	Estimated Cost Subtotals (\$) (From Table 1) by Fiscal Year Allocation	
	FY 2007	FY2008
Authorized Use 1	\$9,464,158.46	\$4,530,000.00
Authorized Use 2	\$0.00	\$1,500,000.00
Authorized Use 3	\$415,223.62	\$415,213.62
Authorized Use 4	\$6,529,172.51	\$10,163,330.97
Authorized Use 5	\$200,000.00	\$0.00
Total of All Authorized Uses (\$)	\$16,608,554.59	\$16,608,544.59
23 % Limitation		
Authorized Use 3	\$415,223.62	\$415,213.62
Authorized Use 5	\$200,000.00	\$0.00
Total of All Authorized Use 3 and 5 (\$):	\$615,223.62	\$415,213.62
Authorized Use	Estimated Cost Subtotals (From Table 1) as a Percentage of	
	FY 2007	FY2008
Authorized Use 1	56.98%	27.28%
Authorized Use 2	0.00%	9.03%
Authorized Use 3	2.50%	2.50%
Authorized Use 4	39.31%	61.19%
Authorized Use 5	1.20%	0.00%
Total of All Authorized Uses (%)	100.00%	100.00%
23 % Limitation		
Authorized Use 3	2.50%	2.50%
Authorized Use 5	1.20%	0.00%
Total of All Authorized Use 3 and 5 (%):	3.70%	2.50%

STATE OF ALABAMA						
TIER 2 PROJECTS						
PROPOSED BY STATE OF ALABAMA FOR FY 2007-2008						
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS						
TABLE 1 -- PAGE 1						
Project Title	Total Estimated Cost (\$ millions)	Funding Request by Year				
		2008	2009	2010	2011	
Authorized Use 1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.						
1	Implement and Expand Prescribed Burning Program	\$100,000.00	\$100,000.00			
2	Land Acquisition in the MTD (Honeycutt Bluffs and N.Q. Adams tracts)	\$5,000,000.00	\$5,000,000.00			
3	Land Acquisition in the Escatawpa River Corridor and Grand Bay	\$5,000,000.00	\$5,000,000.00			
4	Land Acquisition in the Red Hills (Molpus and Hancock Phase 1)	\$10,730,000.00	\$10,730,000.00			
5	Ben May 10 Purchase (connects Mobile-Tensaw Delta to Perdido River)	\$11,000,000.00	\$11,000,000.00			
6	Land Acquisition for Coastal Parcels not Eligible in the Forever Wild Program	\$5,000,000.00	\$5,000,000.00			
7	Dauphin Island Causeway Restoration, Protection, and Public Access Project Partnership	\$2,000,000.00	\$2,000,000.00			
8	Upgrade of Land and Hydrographic Surveying Equipment	\$156,000.00	\$156,000.00			
9	Bathymetric, Seismic, and Vibracore Survey of Federal Waters	\$1,150,000.00	\$1,150,000.00			
10	Development of GIS-based Applications and Digital Data to Assist in Management of Alabama's Coastal Resources	\$675,000.00	\$675,000.00			
11	Global Warming and Alabama Coastlines	\$85,000.00	\$85,000.00			
12	Enhanced Groundwater Monitoring Program for Alabama Coastal Counties	\$150,000.00	\$150,000.00			
13	Equipment Enhancement Grant for Geochemical Laboratory	\$250,000.00	\$250,000.00			
14	Coastal Fishing Guide and Educational Outreach of Geological Issues in Alabama	\$400,000.00	\$400,000.00			
15	Erosion study of Coastal Alabama	\$250,000.00	\$250,000.00			
16	Boat for Coastal Surveying and Sample Collection	\$70,000.00	\$70,000.00			
Subtotal (\$):		\$42,016,000.00	\$42,016,000.00	\$0.00	\$0.00	\$0.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.						
1	Removal of Derelict Structures in Waterways from Hurricanes	\$250,000.00	\$250,000.00			
2	Support of Natural Resource Damage Assessment Program (NRDA) in Coastal Alabama	\$400,000.00	\$400,000.00			
3	Offshore Geophysical Imaging of Coastal Resources	\$593,000.00	\$593,000.00			
Subtotal (\$):		\$1,243,000.00	\$1,243,000.00	\$0.00	\$0.00	\$0.00

STATE OF ALABAMA
TIER 2 PROJECTS
PROPOSED BY STATE OF ALABAMA FOR FY 2007-2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 1 -- PAGE 2

Project Title	Total Estimated Cost (\$ millions)	Funding Request by Year			
		2008	2009	2010	2011
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.					
1 Biodiversity Inventories in Designated Protected Areas of Coastal Alabama	\$500,000.00	\$500,000.00			
2 Monitor "at risk" Native Animal and Plant Communities (e.g. railid inventory as salt marsh indicator)	\$200,000.00	\$200,000.00			
3 Development of Public Education and Outreach Materials and Equipment for Coastal Activities (e.g. water quality kiosk at Five Rivers, pontoon boat for educational field trips)	\$1,250,000.00	\$1,250,000.00			
4 Expand Graduate Research Program at Weeks Bay National Estuarine Research Reserve	\$125,000.00	\$125,000.00			
5 Expand Summer Curriculum for Elementary, High-school, and College students at Weeks Bay and Five Rivers.	\$40,000.00	\$40,000.00			
6 Alabama Coastal Area Management Plan Web Portal	\$50,000.00	\$50,000.00			
8 Artificial Reefs Construction and Research and Development	\$1,000,000.00	\$1,000,000.00			
9 Purchase of Land for Working Waterfront	\$5,000,000.00	\$5,000,000.00			
10 Outreach for Local Marine Conservation Awareness Public Service Announcements	\$200,000.00	\$200,000.00			
11 Communication Equipment for Storm Events	\$60,000.00	\$60,000.00			
12 Renovation of Coastal Design Studio	\$250,000.00	\$250,000.00			
13 Alabama Public Awareness Campaign	\$500,000.00	\$500,000.00			
14 Professional Design and Planning of Safe Harbor Facilities for Commercial Fishing Fleets	\$500,000.00	\$500,000.00			
15 Engineering and Acquisition of Easements to Relocate a Sewer Outfall from Threemile Creek to Mobile River in Mobile County	\$3,400,000.00	\$3,400,000.00			
Subtotal (\$):	\$13,075,000.00	\$13,075,000.00	\$0.00	\$0.00	\$0.00
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.					
1 Improvements to Marine Infrastructure to Improve Oil and Gas Board Regulatory and Enforcement Capacity	\$45,000.00	\$45,000.00			
Subtotal (\$):	\$45,000.00	\$45,000.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)	\$56,379,000.00	\$56,379,000.00	\$0.00	\$0.00	\$0.00

PROJECT LIST TABLES

2. Baldwin County

STATE OF ALABAMA
TIER 1 PROJECTS
PROPOSED BY BALDWIN COUNTY FOR FY 2007
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 1

Project Title	Total Estimated Cost	Funding Request by Year			
		2008	2009	2010	2011
Authorized Use 1: Projects and Activities for the conservation, protection, or restoration of coastal areas including wetland.					
1 Erosion & Sediment Control	\$822,952.68		\$822,952.68		
2 Acquisition of Property for Conservation & Public Access	\$2,094,094.64	\$890,000.00	\$1,204,094.64		
Subtotal (\$):	\$2,917,047.32	\$890,000.00	\$2,027,047.32	\$0.00	\$0.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.					
1 CIAP Development and Administration	\$125,000.00		\$125,000.00		
Subtotal (\$):	\$125,000.00	\$0.00	\$125,000.00	\$0.00	\$0.00
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.					
1 Magnolia Landfill Methane Gas Collection System	\$650,000.00	\$650,000.00			
2 Comprehensive Land Use Plan Development	\$300,000.00	\$125,000.00	\$175,000.00		
Subtotal (\$):	\$950,000.00	\$775,000.00	\$175,000.00	\$0.00	\$0.00
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)	\$3,992,047.32	\$1,665,000.00	\$2,327,047.32	\$0.00	\$0.00

STATE OF ALABAMA

**TIER 1 PROJECTS
PROPOSED BY BALDWIN COUNTY FOR FY 2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS**

TABLE 1

Project Title	Total Estimated Cost	Funding Request by Year			
		2008	2009	2010	2011
Authorized Use 1: Projects and Activities for the conservation, protection, or restoration of coastal areas including wetland.					
1 Erosion & Sediment Control	\$77,047.32		\$77,047.32		
2 Exotic Plant Species Eradication	\$100,000.00	\$50,000.00	\$50,000.00		
3 Coastal Dune Restoration	\$240,000.00	\$240,000.00			
4 Shoreline/Habitat Restoration	\$200,000.00	\$200,000.00			
5 Continuous and Real-time Recording Stations of Meterological and Hydrographic Parameters in Coastal Alabama	\$250,000.00	\$250,000.00			
Subtotal (\$):	\$867,047.32	\$740,000.00	\$127,047.32	\$0.00	\$0.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.					
1 CIAP Development & Administration	\$125,000.00		\$125,000.00		
Subtotal (\$):	\$125,000.00	\$0.00	\$125,000.00	\$0.00	\$0.00
Authorized Use 4: Implemenation of a federally-approved marine, coastal, or comprehensive conservation management plan.					
1 Enhancement of Existing Public Accesses	\$1,000,000.00	\$500,000.00	\$500,000.00		
2 Acquisition of Property for Boating Access	\$2,000,000.00	\$2,000,000.00			
Subtotal (\$):	\$3,000,000.00	\$2,500,000.00	\$500,000.00	\$0.00	\$0.00
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)	\$3,992,047.32				

STATE OF ALABAMA

**TIER 1 PROJECTS
PROPOSED BY BALDWIN COUNTY FOR FY 2007 and 2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 2**

Authorized Use	Estimated Cost Subtotals (\$)	
	(From Table 1) by Fiscal Year Allocation	
	FY 2007	FY 2008
Authorized Use 1	\$2,917,047.32	\$867,047.32
Authorized Use 2	\$0.00	\$0.00
Authorized Use 3	\$125,000.00	\$125,000.00
Authorized Use 4	\$950,000.00	\$3,000,000.00
Authorized Use 5	\$0.00	\$0.00
Total of All Authorized Uses (\$)	\$3,992,047.32	\$3,992,047.32
23 % Limitation		
Authorized Use 3	\$125,000.00	\$125,000.00
Authorized Use 5	\$0.00	\$0.00
Total of All Authorized Use 3 and 5 (\$):	\$125,000.00	\$125,000.00
Authorized Use	Estimated Cost Subtotals (From Table 1)	
	Percentage of as a	
	FY 2007	FY2008
Authorized Use 1	73.07%	21.72%
Authorized Use 2	0.00%	0.00%
Authorized Use 3	3.13%	3.13%
Authorized Use 4	23.80%	75.15%
Authorized Use 5	0.00%	0.00%
Total of All Authorized Uses (%)	100.00%	\$1.00
23 % Limitation		
Authorized Use 3	3.13%	3.13%
Authorized Use 5	0.00%	0.00%
Total of All Authorized Use 3 and 5 (%):	3.13%	3.13%

STATE OF ALABAMA

**TIER 2 PROJECTS
PROPOSED BY BALDWIN COUNTY FOR FY 2007-2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS**

TABLE 1

Project Title	Total Estimated Cost	Funding Request by Year			
		2008	2009	2010	2011
Authorized Use 1: Projects and Activities for the conservation, protection, or restoration of coastal areas including wetland.					
1 Erosion Control Equipment	\$480,000.00		\$480,000.00		
2 Enhancement of Recycling Facility	\$300,000.00		\$300,000.00		
3 Household Hazardous Waste Amnesty Day	\$150,000.00		\$75,000.00	\$75,000.00	
Subtotal (\$):	\$930,000.00	\$0.00	\$855,000.00	\$75,000.00	\$0.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.					
1 Water & Wastewater Infrastructure Study	\$90,000.00		\$90,000.00		
Subtotal (\$):	\$90,000.00	\$0.00	\$90,000.00	\$0.00	\$0.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.					
1 None					
Subtotal (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)	\$1,020,000.00	\$0.00	\$945,000.00	\$75,000.00	\$0.00

PROJECT LIST TABLES

3. Mobile County

**STATE OF ALABAMA
TIER 1 PROJECTS
PROPOSED BY MOBILE COUNTY FOR FY 2007
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 1**

Project Title		Total Estimated Cost	Funding Request by Year			
			2007	2008	2009	2010
Authorized Use 1: Projects and Activities for the conservation, protection, or restoration of coastal areas including wetland.						
1	None					
Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.						
1	None					
Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.						
1	Coastal Impact Assistance Program Administration	\$181,015.14	\$90,000.00	\$91,015.14	\$0.00	\$0.00
Subtotal (\$):		\$181,015.14	\$90,000.00	\$91,015.14	\$0.00	\$0.00
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.						
1	Mobile County River Delta Center Improvements	\$1,400,000.00	\$1,000,000.00	\$300,000.00	\$0.00	\$0.00
2	Escatawpa Hollow River Park Acquisition and Improvements	\$2,000,000.00	\$1,500,000.00	\$500,000.00	\$0.00	\$0.00
3	Heron Bay Cut-Off Access Improvements	\$825,000.00	\$400,000.00	\$425,000.00	\$0.00	\$0.00
4	Dauphin Island Campground Improvements	\$200,000.00	\$200,000.00			
5	Dauphin Island Bicycle Trail Repair	\$95,000.00	\$95,000.00			
6	Household Hazardous Waste Collection Events	\$250,000.00	\$125,000.00	\$125,000.00	\$0.00	\$0.00
Subtotal (\$):		\$4,770,000.00	\$3,320,000.00	\$1,350,000.00	\$0.00	\$0.00
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.						
1	None					
Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)		\$4,951,015.14	\$3,410,000.00	\$1,441,015.14	\$0.00	\$0.00

**STATE OF ALABAMA
TIER 1 PROJECTS
PROPOSED BY MOBILE COUNTY FOR FY 2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 1**

Project Title		Total Estimated Cost	Funding Request by Year			
			2008	2009	2010	2010
Authorized Use 1: Projects and Activities for the conservation, protection, or restoration of coastal areas including wetland.						
1	West Mobile County Conservation Property Acquisition	\$800,000.00	\$800,000.00	\$0.00	\$0.00	\$0.00
Subtotal (\$):		\$800,000.00	\$800,000.00	\$0.00	\$0.00	\$0.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.						
1	None					
Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.						
1	Coastal Impact Assistance Program Administration	\$181,015.14	\$90,000.00	\$91,015.14	\$0.00	\$0.00
Subtotal (\$):		\$181,015.14	\$90,000.00	\$91,015.14	\$0.00	\$0.00
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.						
1	Mobile County Greenprint	\$73,000.00	\$73,000.00	\$0.00	\$0.00	\$0.00
2	Fowl River Shoreline Property Purchase	\$777,000.00	\$777,000.00	\$0.00	\$0.00	\$0.00
3	Sensitive Habitat Restoration and Enhancement of County-owned Property	\$450,000.00	\$225,000.00	\$225,000.00	\$0.00	\$0.00
4	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$500,000.00	\$250,000.00	\$250,000.00	\$0.00	\$0.00
5	North Mobile County Wastewater Facilities	\$1,500,000.00	\$1,500,000.00	\$0.00	\$0.00	\$0.00
6	Bayfront Park Improvements	\$275,000.00	\$275,000.00	\$0.00	\$0.00	\$0.00
7	Coastal Research Weather Stations	\$145,000.00	\$145,000.00	\$0.00	\$0.00	\$0.00
8	Household Hazardous Waste Collection Events	\$250,000.00	\$0.00	\$125,000.00	\$125,000.00	\$0.00
Subtotal (\$):		\$3,970,000.00	\$3,245,000.00	\$600,000.00	\$125,000.00	\$0.00
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.						
1	None					
Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)		\$4,951,015.14	\$4,135,000.00	\$691,015.14	\$125,000.00	\$0.00

**STATE OF ALABAMA
TIER 1 PROJECTS
PROPOSED BY MOBILE COUNTY FOR FY 2007 and 2008
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 2**

Authorized Use	Estimated Cost Subtotals (\$)	
	(From Table 1) by Fiscal Year Allocation	
	FY 2007	FY2008
Authorized Use 1	\$0.00	\$800,000.00
Authorized Use 2	\$0.00	\$0.00
Authorized Use 3	\$181,015.14	\$181,015.14
Authorized Use 4	\$4,770,000.00	\$3,970,000.00
Authorized Use 5	\$0.00	\$0.00
Total of All Authorized Uses (\$)	\$4,951,015.14	\$4,951,015.14
23 % Limitation		
Authorized Use 3	\$ 181,015.14	\$ 181,015.14
Authorized Use 5	\$0.00	\$0.00
Total of All Authorized Use 3 and 5 (\$):	\$ 181,015.14	\$ 181,015.14
Authorized Use	Estimated Cost Subtotals (From Table 1) as a Percentage of	
	FY 2007	FY2008
Authorized Use 1	0.0%	16.2%
Authorized Use 2	0.0%	0.0%
Authorized Use 3	3.7%	3.7%
Authorized Use 4	96.3%	80.2%
Authorized Use 5	0.0%	0.0%
Total of All Authorized Uses (%)	100.0%	100.0%
23 % Limitation		
Authorized Use 3	3.7%	3.7%
Authorized Use 5	0.0%	0.0%
Total of All Authorized Use 3 and 5 (%):	3.7%	3.7%

**STATE OF ALABAMA
TIER 2 PROJECTS
PROPOSED BY MOBILE COUNTY
COASTAL IMPACT ASSISTANCE PROGRAM ALLOCATIONS
TABLE 1**

Project Title	Total Estimated Cost (\$ millions)	Funding Request by Year				
		2008	2009	2010	2011	
Authorized Use 1: Projects and Activities for the conservation, protection, or restoration of coastal areas including wetland.						
1	North Mobile County Conservation Property Acquisition	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
2	South Mobile County Conservation Property Acquisition	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
3	Erosion and Sediment Control	\$700,000.00	\$700,000.00	\$0.00	\$0.00	\$0.00
4	Establishment of a Mobile County Recycling Facility	\$700,000.00	\$700,000.00	\$0.00	\$0.00	\$0.00
5	Erosion Control Equipment for Public Works Department	\$700,000.00	\$700,000.00	\$0.00	\$0.00	\$0.00
Subtotal (\$):		\$4,100,000.00	\$4,100,000.00	\$0.00	\$0.00	\$0.00
Authorized Use 2: Mitigation of damage to fish, wildlife, or natural resources.						
1	Beach and Sand Cleaning Equipment	\$95,000.00	\$95,000.00			
Subtotal (\$):		\$95,000.00	\$95,000.00	\$0.00	\$0.00	\$0.00
Authorized Use 3: Planning assistance and the administrative costs of complying with CIAP.						
1	None					
Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use 4: Implementation of a federally-approved marine, coastal, or comprehensive conservation management plan.						
1	South Mobile County Decentralized Wastewater Facilities	\$2,500,000.00	\$2,500,000.00	\$0.00	\$0.00	\$0.00
2	Dauphin Island Causeway Restoration, Protection, and Public Access Project	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
3	West Mobile County Decentralized Wastewater Facilities	\$2,500,000.00	\$2,500,000.00	\$0.00	\$0.00	\$0.00
4	Theodore Ship Channel Boat Access	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
5	Mobile County Land Use Plan	\$300,000.00	\$300,000.00	\$0.00	\$0.00	\$0.00
6	Communication Equipment for Storm Events	\$60,000.00	\$60,000.00	\$0.00	\$0.00	\$0.00
Subtotal (\$):		\$7,360,000.00	\$7,360,000.00	\$0.00	\$0.00	\$0.00
Authorized Use 5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.						
1	None					
Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total of all Authorized Uses (\$)		\$11,460,000	\$11,460,000	\$0	\$0.00	\$0.00

