

State of Alabama
CIAP Plan Amendment
Fiscal Year 2009 and 2010



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N. Gunter Guy, Jr., Commissioner, Alabama Department of Conservation and Natural Resources

Prepared by the State Lands Division,
Alabama Department of Conservation and Natural Resources

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Table of Contents

List of Abbreviations and Acronyms

1. Introduction	i
2. Designated State Agency	iii
3. Designated Contact for Coastal Political Subdivisions	v
a. Baldwin County Commission	v
b. Mobile County Commission	v
4. Governor’s Certification of Public Participation	vii
5. Coordination with Other Federal Resources and Programs	xi
6. Plan Implementation Program	xii
7. Proposed Project Lists	1
a. State of Alabama Tier One Lists	3
b. Baldwin County Tier One Lists	5
c. Mobile County Tier One Lists	7
d. State of Alabama Tier Two Lists	9
e. Baldwin County Tier Two Lists	11
f. Mobile County Tier Two Lists	13
8. Proposed Tier One Project Descriptions	15
a. State of Alabama Tier One Project Descriptions	17
b. Baldwin County Tier One Project Descriptions	63
c. Mobile County Tier One Project Descriptions	100
9. Proposed Tier Two Project Descriptions	120
a. State of Alabama Tier Two Project Descriptions	122
b. Baldwin County Tier Two Project Descriptions	160
c. Mobile County Tier Two Project Descriptions	172

Appendix

Appendix A Governor Letter Designating State Agency-----	182
Appendix B Transcripts of Comments from November 22, 2010 Public Meeting -----	186
Appendix C Summary of Public Comments Received on Draft CIAP Plan Amendment for FY 2009 and FY 2010 -----	208
Appendix D Advertisement for public meetings on January 14, 2010 and November 22, 2010-----	342
Appendix E Program Suggestion Solicitation Form -----	356
Appendix F Project List Tables -----	362
1. State of Alabama Project List Tables.....	364
2. Baldwin County Project List Tables	370
3. Mobile County Project List Tables	374
Appendix G Summarizing All Changes to CIAP Plan -----	378
1. State of Alabama.....	380
2. Baldwin County.....	388
3. Mobile County.....	398

Tables

Table 1. Summary of CIAP allocations for FY 2009 and FY 2010----- ii
Table 2. State of Alabama CIAP Projects by Category----- xxii
Table 3. State of Alabama estimate of funds allocated by Authorized Use-----xxiv
Table 4. Baldwin County estimate of funds allocated by Authorized Use-----xxv
Table 5. Mobile County estimate of funds allocated by Authorized Use -----xxvi

List of Abbreviations and Acronyms

Act	Energy Policy Act of 2005
ACAMP	Alabama Coastal Area Management Program
ADEM	Alabama Department of Environmental Management
BC	Baldwin County
BOEMRE	Bureau of Ocean Energy Management, Regulation, and Enforcement
CBRA	Coastal Barrier Resource Act
CIAP	Coastal Impact Assistance Program
CPMC	Claude Peteet Mariculture Center
CPS	Coastal Political Subdivision
CRAC	Coastal Resources Advisory Committee
CZMA	Coastal Zone Management Act
CZMP	Coastal Zone Management Program
DCNR	Department of Conservation and Natural Resources
DISL	Dauphin Island Sea Lab
DOI	Department of the Interior
EFH	Essential Fish Habitat
EPA	Environmental Protection Agency
ESA	Endangered Species Act
FY	Fiscal Year
GSA	Geological Survey of Alabama
MBNEP	Mobile Bay National Estuary Program
MC	Mobile County
MRD	Marine Resources Division
NEPA	National Environmental Policy Act
NERR	National Estuarine Research Reserve
NHPA	National Historic Preservation Act
NOAA	National Oceanic and Atmospheric Association
OCS	Outer Continental Shelf
Plan	Coastal Impact Assistance Plan
Secretary	Secretary of the Department of the Interior
SLD	State Lands Division
SPD	State Parks Division
State	eligible producing State
U.S.	United States
USFWS	United State Fish and Wildlife Service
WFFD	Wildlife and Freshwater Fisheries Division

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, Louisiana, and Texas. 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, lists five categories of authorized uses of CIAP funds. Thus, a State or CPS can only use CIAP funds 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.

Table 1 summarizes the allocations provided to the State of Alabama, Baldwin County, and Mobile County for Fiscal Year 2007, 2008, 2009 and 2010. On April 21, 2009, the Minerals Management Service (now Bureau of Ocean Energy Management, Regulation and Enforcement - BOEMRE) approved the State of Alabama CIAP Plan for FY 2007 and 2008 which included 47 projects totaling \$51,103,214.08. The State of Alabama Department of Conservation and Natural Resources (ADCNR), Baldwin County and Mobile County have begun implementation of the approved projects through submittal of individual grant applications to BOEMRE.

The State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010 includes 25 Tier One Projects and 19 Tier Two Projects (44 total) allocating the remaining FY 2009 and FY 2010 CIAP funding for the State of Alabama, Baldwin County, and Mobile County (\$39,253,102.84). Tier One projects submitted for grant funding are anticipated to utilize 100 percent of the allocation for FY 2009 and FY 2010. Tier Two projects are for back up purposes. If a Tier One is cancelled, scaled back or deferred, the State of Alabama, Baldwin County, or Mobile County can submit a Tier Two project for grant funding without having to amend the CIAP Plan Amendment for FY 2009 and FY 2010. The Tier One and Tier Two projects included in the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010 meet the criteria set forth in the legislation and will provide long-term benefits to Alabama's coastal area.

Recipient	Actual FY CIAP Allocation				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Alabama	\$58,731,606.00	\$16,608,544.58	\$16,608,544.58	\$12,823,367.28	\$12,691,149.56
Baldwin	\$14,130,187.62	\$3,992,047.32	\$3,992,047.32	\$3,088,971.34	\$3,057,121.64
Mobile	\$17,494,523.30	\$4,951,015.14	\$4,951,015.14	\$3,815,918.74	\$3,776,574.28
Total	\$90,356,316.92	\$25,551,607.04	\$25,551,607.04	\$19,728,257.36	\$19,524,845.48
	Total FY 2007 and FY 2008 (Alabama CIAP Plan Approved April 2009)	\$51,103,214.08		Total FY 2009 and FY 2010	\$39,253,102.84

Table 1. Actual Allocations of CIAP Funding provided to the State of Alabama, Baldwin County and Mobile County (Source: www.boermre.gov/ciap)

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 (now know as the Bureau of Ocean Energy Management, Regulation and Enforcement) for purposes of the Program. On November 3, 2005 Governor Bob Riley designated the Alabama Department of Conservation and Natural Resources (DCNR) as the agency responsible for administering the CIAP. Appendix A includes the letter designating DCNR as the lead agency. The DCNR point of contact for development and implementation of the Plan is N. Gunter Guy, Jr., Commissioner of the Department of Conservation and Natural Resources. His contact information is listed below.

	State of Alabama designated contact for development and implementation of the Coastal Impact Assistance Program
Name	Commissioner N. Gunter Guy, Jr.
Address	Alabama Department of Conservation and Natural Resources
	64 North Union Street
	Montgomery, Alabama 36130
Telephone	(334) 242-3486
Fax	(334) 242-0999
E-mail	dcnr.ciap@dcnr.alabama.gov

Further, Commissioner Guy designated the State Lands Division (SLD) of DCNR to administer the day-to-day responsibilities of the CIAP. Such a role is a natural fit for the SLD, which serves as the state agency sponsor for the National Oceanic and Atmospheric Association (NOAA) funded Alabama Coastal Area Management Program and Weeks Bay National Estuarine Research Reserve. The SLD also managed the NOAA-sponsored CIAP in 2001. The SLD is responsible for management and stewardship of many state-owned lands, including state water bottoms, and serves as the single designated title holder for all lands acquired through the Forest Legacy Program. The SLD administers the State's Forever Wild Land Trust Program, which acquires and conserves land for public use.

In addition to the SLD, 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. The goal of the State of Alabama CIAP is to implement natural resource projects which benefit directly and indirectly the natural coastal environment.

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	Frank Burt, Jr., Chairman
Address	Baldwin County Commission
	312 Courthouse Square, Suite 12
	Bay Minette, AL 36507
Telephone	(251) 937-0395
Fax	(251) 580-2500
E-mail	fburt@baldwincountyal.gov

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	Merceria L. Ludgood, President
Address	Mobile County Commission
	205 Government Street
	Mobile, AL 36644
Telephone	(251) 574-8595
Fax	(251) 574-4722
E-mail	mludgood@mobile-county.net

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 two overarching objectives:


- Public access to coastal areas in Mobile County will be more controlled and will provide increased opportunities for environmental education and recreation in order to foster support for conservation and restoration efforts.
- A Mobile County Natural Resource Protection Program will be developed that will include activities such as restoration, acquisition, and management of coastal habitats, and water quality management.

GOVERNOR'S CERTIFICATION OF PUBLIC PARTICIPATION

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 sufficient 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 7th day of January, 2011.



Bob Riley, GOVERNOR
STATE OF ALABAMA

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. 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 Amendment for FY 2009 and FY 2010 development. Partnering with other federal or private resources is documented in each project summary.

Utilizing the existing outreach framework of the State of Alabama Coastal Zone Management Program, representatives from Federal, State and local agencies were invited to two (2) public meetings. The first meeting was held on January 14, 2010 to announce the development of the CIAP Plan Amendment for FY 2009 and FY 2010 and to accept public comments. The second meeting was held on November 22, 2010 to release the plan for the required 30-day comment period. 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 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
- Coastal Resources Advisory Committee

Federally-approved plans were reviewed during the compilation of the Alabama CIAP project lists to make sure projects did not duplicate existing federal resources and 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 (NOAA), the Mobile Bay National Estuary Program Comprehensive Conservation Management Plan (EPA), The Alabama Comprehensive Wildlife Conservation Strategy, Alabama Coastal Estuarine Land Conservation Program (USFWS) Forest Legacy Program (U.S. Forest Service) and U.S. Army Corps of Engineers (USACE) coastal project plans. All of these plans listed above have been approved by the respective federal agency and provide long term conservation strategies and action items for Alabama's coastal area.

The CIAP Plan Amendment for FY 2009 and FY 2010 was released to the public for the mandatory 30-day comment period on November 22, 2010. No comments from any Federal agency were received.

PLAN IMPLEMENTATION PROGRAM

- **Goals and Objectives of the State of Alabama CIAP Plan**

State of Alabama

The goal of the State of Alabama CIAP is to implement natural resource projects which benefit directly and indirectly the natural coastal environment.

Baldwin County Commission

The goals of the Baldwin County Commission, through the CIAP, are to provide conservation, protection and restoration of environmentally sensitive areas to develop plans and enhance properties already under the care of the county to increase environmental education and awareness. These goals will be met through the objectives associated with each plan initiative.

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. In addition, the county's comprehensive land use plan, Horizon 2025, also identifies priority goals and objectives for planning and natural resource efforts in the county. A key component in the review process for selection of initiatives was the ability of projects to fulfill these goals and objectives. Some of the goals and objectives that were instrumental in developing Baldwin County's CIAP are listed below:

Baldwin County Strategic Plan

Failure to preserve and protect our natural resources would erode life, and adversely impact our economy, water quality, inland waterways, forests and green space, wetlands, and wildlife.

By 2011, decrease the pollution and storm water runoff in the County waterways so as to improve water quality and maintain EPA and ADEM standards.

By 2012, increase and protect mandated green/wetlands space by 50%.

By 2009, protect a minimum of 500 acres of habitat of species of greatest conservation need with an emphasis on priority areas depicted in the State Wildlife Action Plan

By 2016 provide parks, camping and playground areas at public accesses on water frontage, improve public access to 2 beaches, improve 2 current boat ramps, acquire 1 new boat ramp and build 3 boat ramps on currently owned property.

Create and foster partnerships with other local, state and federal agencies to protect endangered species habitat and to prevent species of concern from being listed and lessen impacts to existing endangered using strategies identified in the State Wildlife Action Plan.

Horizon 2025: The Baldwin County Comprehensive Plan

Goal 4.1: Baldwin County shall continue to plan for the protection, conservation, management, and appropriate use of the natural resources found in Baldwin County.

Goal 4.3: Baldwin County shall preserve and protect its natural open space and wetlands habitats by land acquisition and the creation of a greenway system to maintain the unique and irreplaceable values, functions, diversity, and benefit of the natural resources within the unincorporated area.

Objective 4.3.9: Protect the quality and quantity of all public waters, recognize the ongoing study efforts, and ensure that the current water quality in the County is improved.

Goal 4.6: To manage the wetland and upland ecosystems located in Baldwin County so as to maintain and enhance native habitats, diversity of floral and faunal species, water quality, and natural surface water characteristics.

Objective 4.6.1: The County will continue to implement a resource management program that ensures the long-term protection and enhancement of the natural upland and wetland habitats through the retention of interconnected, functioning, and maintainable hydro ecological systems where the remaining wetlands and uplands function as a productive unit resembling the original landscape.

Objective 4.8.1: To foster more education and protection rules on the wildlife-to-man interface relationship within Baldwin County.

Objective 6.1.5: Preserve a portion of the County's natural environment for resource-based recreational activities in order to preserve natural habitats, protect the water supply, and preserve the natural heritage. These natural resources shall be available to the general public for resource-based recreational activities, enjoyment of nature, and educational enrichment, and may include lands to augment that which is set aside by the State of Alabama and the federal government.

In addition to the Baldwin County Strategic Plan and Horizon 2025, the compatibility of the initiatives of other federally-approved plans such as the Alabama Coastal Area Management Plan and the Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan were 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 two overarching objectives:

- Public access to coastal areas in Mobile County will be more controlled and will provide increased opportunities for environmental education and recreation in order to foster support for conservation and restoration efforts.
- A Mobile County Natural Resource Protection Program will be developed that will include activities such as restoration, acquisition, and management of coastal habitats, and water quality management.

- **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 Department of Conservation and Natural Resources (ADCNR), is committed to managing the CIAP in an efficient, cost-effective, and organized manner in order to fulfill the requirements of the program. The ADCNR, through its State Lands Division (SLD), provides day-to-day management and coordination of the CIAP. Due to its involvement previously in a similar program, the SLD has developed the capacity to manage such a program and regularly manages large-scale grant programs. The SLD employs two full-time staff, located in the coastal area, dedicated to coordinating all aspects of the CIAP. Additionally, a State Lands Manager oversees the administration of the CIAP on a part-time basis. 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 ADCNR support sections including Accounting, Legal, Engineering, and Coastal Sections occur on a regular basis to ensure proper procedures are created and followed throughout CIAP implementation. CIAP staff work closely with CIAP representatives from the BOEMRE and other applicable federal agencies. In addition, CIAP staff coordinates with representatives from Mobile and Baldwin County regarding timetables, meetings, and reports.

Baldwin County Commission

The Baldwin County CIAP Plan is managed and monitored by staff from the Engineering Department and the Planning and Zoning Department. They will work in conjunction with other county departments and sub-grantees to implement the projects as well as prepare grant applications, environmental reviews, and progress reports. The Grants Coordinator within the Budget Department will submit grant applications, progress reports, financial reports, and request for reimbursements. Current procurement policies and procedures, as well as BOEMRE guidelines, will be followed to ensure open and fair competition for contracts, purchases, and compliance with applicable laws and regulations.

Mobile County Commission

The Mobile County CIAP Program is managed by staff from the Mobile County Environmental Services Department. The staff 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 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 BOEMRE 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**

- a) CIAP Public Meeting: There were two primary public meetings held with respect to the development of the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010. These meetings were jointly sponsored by the State of Alabama, Baldwin County, and Mobile County and were used as vehicles to introduce the program and solicit public input. Advertisements for these meetings were published in the Mobile-Press Register two Sundays prior to each of these meetings. Appendix D includes copies of each of these advertisements.

Below is a comprehensive list of all public CIAP planning meetings pertaining to the development of State of Alabama CIAP Plan Amendment for FY 2009 and 2010. At each of these meetings, the public was given ample opportunity to comment and provide input.

- On January 14, 2010 a public information meeting was held at 6:00 pm at Five Rivers Alabama's Delta Resource Center. Approximately one hundred and forty-six (146) people attended this meeting. This meeting was advertised in the Press-Register and the Press-Register Baldwin Edition on January 3, 2010 and January 10, 2010, on www.al.com January 3, 2010 through January 8, 2010, and on a digital billboard located on the Mobile Bay Causeway from January 11, 2010 through January 14, 2010 (Appendix D). Prior to the meeting, CIAP staff engaged in extensive meeting notice through targeted mailouts to state and local elected officials, municipal and county government officials, and other state and federal agency personnel, as well as local non-governmental organizations along with active stakeholders from the development of the State of Alabama CIAP Plan for FY 2007 and FY 2008.

During the public meeting representatives from the Alabama Department of Conservation and Natural Resources (ADCNR), Baldwin County, Mobile County and the Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) provided information regarding the CIAP program and provided an opportunity for attendees to make public comments at the meeting. This event kicked off a 46-day public comment and input period. The public was encouraged to submit CIAP Program Suggestions during that time period. As such, a template in which to offer Program Suggestions (Appendix E) was provided to the public. In the Program Suggestion submittal template we requested that submitters describe, among other things, the following information: 1) project justification utilizing an appropriate CIAP Authorized Use, 2) extent of cost sharing or other resource leveraging associated with the project, and 3) the project's relationship, if any, to other existing coastal programs including, but not limited to, the Alabama Coastal Area Management Program and the Mobile Bay National Estuary Program.

- On April 13, 2010, at the regularly scheduled Baldwin County Commission Work Session, Baldwin County staff presented information on Program Suggestions received by the Baldwin County Commission. These meetings (a.k.a 'Work Sessions') are open to the public and the agendas are published in the Baldwin Register one or two days prior to the meeting. In addition, those who submitted project suggestions were notified that the projects would be discussed at this meeting. Many of these people attended and provided comments and information to the Commissioners regarding their projects. Attendees come and go throughout the course of the meeting. The agendas and minutes are published on Baldwin County's Website, www.baldwincounty.gov.
- On July 27, 2010, to further the development of the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010, Baldwin County staff requested that priority projects of the Baldwin County Commission be determined in order to discuss possible project coordination efforts with the ADCNR and Mobile County. The Baldwin County Commissioners discussed the potential project list at this regularly scheduled Work Session. These meetings are open to the public and the agendas are published in the Baldwin Register one or two days prior to the meeting. Attendees come and go throughout the course of the meeting. The agendas and minutes are published on Baldwin County's Website, www.baldwincounty.gov.
- On August 10, 2010, at the regularly scheduled Baldwin County Commission Work Session, Baldwin County staff discussed approval for proposed projects for inclusion in State of Alabama CIAP Plan Amendment for FY 2009 and 2010. These meetings are open to the public and the agendas are published in the Baldwin Register one or two days prior to the

meeting. In addition, those who submitted project suggestions were notified that the projects would be discussed at this meeting. Attendees come and go throughout the course of the meeting. The agendas and minutes are published on Baldwin County's Website, www.baldwincountyal.gov.

- On August 17, 2010 during the regularly scheduled Baldwin County Commission Meeting, the Baldwin County Commission formally approved the proposed projects for inclusion into State of Alabama CIAP Plan Amendment for FY 2009 and 2010. Baldwin County CIAP staff presented a summary of the proposed projects. These meetings are open to the public and the agendas are published in the Baldwin Register one or two days prior to the meeting. In addition, those who submitted project suggestions were notified that the projects would be discussed and voted on at this meeting. Attendees come and go throughout the course of the meeting. The agendas and minutes are published on Baldwin County's Website, www.baldwincountyal.gov. These meetings are filmed and transmitted on the public access channel of the local cable company for approximately two weeks after each meeting.
- On August 19, 2010 the proposed Tier One and Tier Two list were reviewed by the Mobile County Commission at the regularly scheduled Conference Meeting. This meeting is open to the public and the agendas to the meetings are published in the Mobile Press-Register one or two days prior to the meeting. Attendees come and go throughout the course of the meetings.
- On August 23, 2010, the Mobile County Commission approved Mobile County's Tier One and Tier Two Project Lists. This meeting is open to the public and the agendas to the meetings are published in the Mobile Press-Register one or two days prior to the meeting. Attendees come and go throughout the course of the meetings.
- August 24, 2010 the Baldwin County Commission held a special emergency meeting. A public notice is sent to all print and broadcast media to provide notification of a special emergency meeting. An item on the agenda authorized staff to seek alternative funding for an approved CIAP 2009-2010 Tier 1 project. In addition, the Commission approved a revised project list for inclusion in the 2009-2010 Draft Amendment to the State of Alabama's Coastal Impact Assistance Plan contingent on approval of alternative funding for the Tier 1 project. This revised project list involved the deletion of one Tier 1 project and the change of three Tier 2 projects to Tier 1. No additional projects were added to the list. The agendas and minutes are published on Baldwin County's Website, www.baldwincountyal.gov.
- On November 22, 2010 a public information meeting was held at 6:00 pm at Five Rivers Alabama's Delta Resource Center. This meeting was advertised in the Press-Register and the Press-Register Baldwin Edition on November 14, 2010 and November 21, 2010, on www.al.com November 16, 2010 through November 19, 2010, and on a billboard located on the Mobile Bay Causeway from November 16, 2010 through November 22, 2010. Prior to the meeting, CIAP staff engaged in extensive meeting notice through targeted mailouts to state and local elected officials, municipal and county government officials, and other state and federal agency personnel, as well as local non-governmental organizations along with active stakeholders from the development of the State of Alabama CIAP Plan for FY 2007 and FY 2008. There were seventy-three (73) attendees at this meeting. Appendix B includes a transcript of the public meeting.

b) Written Public Comments: Appendix C includes all written public comments received during the comment period.

Comment	Number of Comments	Name	Response/Resolution
Comments expressed support for AL2-17 <i>Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in coastal Alabama</i>	8	William Turner; David Nelson, University of South Alabama; Martin Shulman; Andrew Cantrell; Joseph Apodaca, Florida State University; Ken Marion, University of Alabama at Birmingham; Zach Felix, Rhinehart University; and Robbie Fearn, Rufner Mountain Nature Center	A response letter will be provided to each author from the Department thanking each for his participation in the State of Alabama CIAP.
Comment expressed support for AL-27 <i>Wastewater Facilities for Southeastern Mobile County</i>	1	Joe Summersgill, Mobile County Water, Sewer, Fire Protection Authority	A response letter will be provided to Mr. Joe Summersgill from the Department thanking him for his participation in the State of Alabama CIAP. The letter will indicate that as a specific sewer project is developed, they will be encouraged to participate in any procurement opportunities offered to implement such a project.
Comment expressed support for wastewater infrastructure projects and requested funding for two (2) new projects (diffuser and beneficial use of dredged materials) to be included in the Plan's Tier Two List	1	Gerald Easley, Alabama Gulf Coast Regional Sewer Supply District	A response letter will be provided to Mr. Easley from the Department thanking him for his participation in the State of Alabama CIAP. The response letter will reference that a significant portion of the State of Alabama CIAP funding for FY 2010 and FY 2011 was dedicated to sewer infrastructure in southern Mobile County to protect Alabama's coastal oyster resources. Further, the letter will indicate that while the two (2) new proposed Tier Two projects in Mr. Easley's letter are worthy projects, they do not provide a direct benefit to the oyster resources of coastal Alabama, due to lack of proximity to those resources, as was the goal of CIAP sewer infrastructure projects.
Comment expressed support for AL2-16 <i>Bon Secour Land Acquisition Project</i>	1	Robert Craft, Mayor of Gulf Shores	A response letter will be provided to Mayor Robert Craft from the Department thanking him for his participation in the State of Alabama CIAP.

<p>Comment provided support for AL-28 <i>Dauphin Island Shoreline Stabilization Project</i> and, as consultant for the Town of Dauphin Island, provided information as to anticipated recommendations that will be made to the Town as part of a shoreline stabilization plan being developed with NOAA funding.</p>	<p>1</p>	<p>Scott Douglass, South Coast Engineers</p>	<p>A response letter will be provided to Dr. Douglass from the Department thanking him for his participation in the State of Alabama CIAP.</p>
<p>Comment stated AL-26 - <i>Coden Sewer Line Extension</i> - is not appropriate for CIAP funding and recommended that project be replaced by the following seven (7) Tier 2 projects: 2-21, 2-23, 2-16, 2-20, 2-22, 2-17 and 2-16.</p>	<p>1</p>	<p>Casi Callaway, Mobile Baykeeper</p>	<p>A response letter will be provided to Ms. Callaway from the Department thanking her for her participation in the CIAP. The letter will state that sewer infrastructure is an appropriate use of CIAP funds and will note that the Bureau of Ocean Energy Management Regulation and Enforcement (BOEMRE) has previously approved construction of sewer infrastructure projects in Mississippi with CIAP funding.</p>
<p>Comment, while generally supportive of funding for beach restoration on Dauphin Island, expressed concern that no CIAP funds have been allocated to a south Baldwin beach restoration project and expressed concern as to lack of CIAP funding previously received by the cities of Gulf Shores and Orange Beach.</p>	<p>1</p>	<p>Phillip West, City of Orange Beach (also on behalf of City of Gulf Shores)</p>	<p>A response letter will be provided to Mr. West from the Department thanking him for his participation in the CIAP. The letter will note that the State of Alabama recently received project worksheets from FEMA stating the engineered beaches of south Baldwin County qualify for 75% of the costs to restore the beach prior to Hurricane Ike in 2009. The letter will further state, however, that it is the understanding of the State of Alabama that CIAP funds are not eligible to be used for the required 25% FEMA matching funds (See 44 CFR 13.24). The letter will also state that the City of Orange Beach submitted 2 Program Suggestions (Robinson Island Restoration Project and Perdido Bay Coastal Island Acquisition), of which one (1) was included (AL2-22 - <i>Perdido Bay Coastal Island Acquisition</i>) in the State of Alabama's Tier Two List.</p>

<p>With reference to AL-28, <i>Dauphin Island Shoreline Stabilization Project</i>, comment stated that proper local procurement procedures were not followed in selecting an engineer for previous NOAA grants. Comment asserted that federal money already has been used for 4 previous studies. The comment further stated that only onshore infrastructure is eligible for CIAP funding and CIAP funding cannot be used to improve private property. The comment expressed concern as to funding sources for long-term maintenance of a replenishment effort and asserted that the U.S. Army Corps of Engineers has announced plans for a project that would eliminate the need for a construction project on east end of island.</p>	<p>1</p>	<p>Joyce Allen, Dauphin Island resident</p>	<p>A response letter will be provided to Ms. Allen from the Department thanking her for her participation in the CIAP. The letter will state that all BOEMRE guidelines including, but not limited to, any related to procurement, impacts to private land (if any), and construction of infrastructure will be adhered to in connection with implementation of any project submitted to BOEMRE. Letter will specifically note that the most recent CIAP State Plan and Plan Amendment Guidelines dated September 2010 provides that construction of infrastructure (either offshore or onshore) can be funded under Authorized Use #1. The letter will also state that funding for AL-28 will be used for project costs related to engineering, permitting and construction of a specific project with a specific scope. In addition, prior to submission to BOEMRE, the State of Alabama will evaluate engineering recommendations for AL-28 based upon a variety of factors including appropriateness and long-term viability of the project.</p>
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- **The State of Alabama, Baldwin County, and Mobile County Decision-Making Process for Selecting Projects**

On April 21, 2009 the Minerals Management Service (now Bureau of Ocean Energy Management, Regulation and Enforcement – BOEMRE) approved the State of Alabama CIAP Plan for FY 2007 and FY 2008. The State of Alabama Department of Conservation and Natural Resources, Baldwin County, and Mobile County continued to meet regularly to implement the FY 2007 and FY 2008 Plan and develop the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010. These regular meetings have been instrumental in discussing eligible CIAP projects. In addition to other administrative functions, these meetings were helpful in discussing each entity’s CIAP needs. Further, these meetings facilitate exchange of information related to the grant procedures for FY 2007 and FY 2008 projects. Below is list of the Alabama planning meetings held to develop the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010:

- March 20, 2008 the CIAP planning team met at Five Rivers Alabama’s Delta Resource Center in Spanish Fort, Alabama.
- May 1, 2008 the CIAP planning team met at 9:30 am at Magnolia Landfill, Summerdale, Alabama.
- June 5, 2008 the CIAP planning team met at Five Rivers Alabama’s Delta Resource Center in Spanish Fort, Alabama.
- July 25, 2008 the CIAP planning team met at Five Rivers Alabama’s Delta Resource Center in Spanish Fort, Alabama.

- September 18, 2008 the CIAP planning team met at 1:00 pm at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- December 16, 2008 the CIAP planning team met at 1:30 pm at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- February 5, 2009 the CIAP planning team met at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- March 5, 2009 the CIAP planning team met at 1:00 pm at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- April 2, 2009 the CIAP planning team met at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- May 26, 2009 the CIAP planning team met at 2:00 pm at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- August 27, 2009 the CIAP planning team met at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama, to discuss AL-21 – Continuous and Real-time Recording Stations of Meteorological Land Hydrographic Parameters in Coastal Alabama.
- October 21, 2009 the CIAP planning team met at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- December 9, 2009 the CIAP planning team met at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- April 8, 2010 the CIAP planning team met at 2:00 pm at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.
- July 28, 2010 the CIAP planning team met at Five Rivers Alabama's Delta Resource Center in Spanish Fort, Alabama.

State of Alabama

The State of Alabama Department of Conservation and Natural Resources accepted Program Suggestions during a 46-day public comment period which began on January 14, 2010 and ended at the close of business on March 1, 2010. The State of Alabama Department of Conservation and Natural Resources received a total of sixty-two (62) Program Suggestions. The Program Suggestions represented a diversity of submitters including local governments, state and federal agencies, academic institutions and private citizens. The collective total of all submittals was in excess of ninety-six (96) million dollars – or almost four (4) times the funding available for the State's portion of the CIAP.

The Alabama Department of Conservation and Natural Resources engaged in a review of these Program Suggestions in order to determine which suggestions represented the best fit for the CIAP. Agency reviewers represented a diversity of program areas and included coastal managers, resource planners and administrative personnel. Reviewers relied heavily on the information submitted, the guidance offered in the Program Suggestion Submittal template (Appendix E), opportunities for partnering with the CPS and an evaluation of the likelihood of ultimate approval by the BOEMRE. The Program Suggestions covered numerous issue areas including land acquisition, natural resource restoration, coastal research, public health infrastructure improvements, and environmental education and outreach projects. The review resulted in twenty-seven (27) Tier One and Tier Two CIAP projects. These projects consist of thirteen (13) Tier One projects and fourteen (14) Tier Two projects. The Tier One projects total the amount of allocated funding for the State (\$25,514,516.84) for FY 2009 and FY 2010.

Baldwin County

The Natural Resources Division of the Planning and Zoning Department, in conjunction with the State of Alabama and Mobile County, held a public comment period to receive program suggestions for their

2009-2010 CIAP projects. In addition, program suggestions were also submitted by several departments of the Baldwin County Commission. The Natural Resource Division developed a project ranking system using the CIAP guidance and Baldwin County goals and objectives. This information was then 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, the Baldwin County Comprehensive Plan and the authorized uses of the CIAP plan. Additionally, projects were selected based on common objectives of federally approved plans such as the Alabama Coastal Area Management Plan and Mobile Bay National Estuary Program Comprehensive Conservation and Management Plan.

Mobile County

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.

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
- **The State of Alabama, Baldwin County, and Mobile County plans to ensure compliance with all relevant Federal, State, and local laws including Coastal Zone Management Program**

State of Alabama

The State of Alabama CIAP staff will review all projects to ensure compliance with Federal, State, and relevant local laws and regulations. At the Federal level, 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. The CIAP staff will obtain all the federal assurances and permits prior to or during the grant phase of each project according to program guidelines. At the State level, the DCNR serves as the lead administrative arm of the ACAMP, the State's Coastal Zone Management Program. 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. The authorized uses of CIAP fit closely with the goals and objectives of the ACAMP. At the local level, the State of Alabama will coordinate CIAP projects with any relevant building or zoning codes, when applicable.

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

In the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010, there are six major categories of projects including land acquisition, coastal research, natural resource restoration, environmental education and outreach, public health infrastructure improvements, and administration. Approximately forty-nine (49%) of the State of Alabama CIAP funds (12.4 million) are allocated to public health infrastructure projects which mitigate damage to natural resources. These projects consist of extensions of public sewer lines and installation of new sewer in low lying coastal areas currently served by failing on-site septic systems in southern Mobile County. Twenty-One percent (21%) of the funds are dedicated to natural resource restoration. Specifically, AL-28 will stabilize the shoreline to protect the coastal area of Dauphin Island. Seventeen percent (17%) will be dedicated to land acquisition projects, six percent (6%) is allocated to Environmental Education and Outreach projects, and 2 percent (2%) is dedicated to coastal research projects. The State of Alabama has set aside four percent (4%) of FY 2009 and FY 2010 funding to administer the CIAP Program.

Project Type	Amount	Percentage of Total Allocation for FY 2009 and FY 2010
Land Acquisition	\$ 4,500,000.00	18%
Natural Resource Restoration	\$ 5,344,000.00	21%
Environmental Education and Outreach	\$ 1,605,000.00	6%
Coastal Research	\$ 587,594.00	2%
Administration	\$ 1,000,000.00	4%
Public Health Infrastructure Improvements	\$ 12,477,922.84	49%
Total Allocation to State of Alabama for FY 2009 and FY 2010	\$ 25,514,516.84	

Table 2. State of Alabama CIAP Projects by Category

Baldwin County Commission

Included in the Baldwin County Tier 1 and Tier II project lists are habitat restoration and preservation, land acquisition, wetland and waterway protection, environmental education and administration.

Two stream restoration projects are included in the Baldwin County CIAP plan. These streams are located within the D'Olive watershed, a highly impacted system that consists of five 303(d) impaired streams. These projects will bring about much needed habitat restoration and stream stabilization.

Baldwin County is committed to land preservation and public access in order for citizens to experience the natural resources of the county first hand. There are two projects dedicated to land acquisition for conservation and public access in the CIAP plan.

Environmental education initiatives such as the Nature Center at Bicentennial Park and the Raymond L. Harris Nature Preserve are also included.

Baldwin County plans to sub-grant with the Dauphin Island Sea Lab to develop a restoration project which will focus on restoring the coastal habitats around Baldwin County. Potential projects include the restoration of submerged aquatic vegetation, marsh areas, or shoreline stabilization.

Lastly, the Wetland and Waterway Protection project will be continued in this CIAP plan. It consists of reducing sedimentation in wetlands and streams by paving dirt roads that are impacting sensitive habitats.

Mobile County Commission

The two categories of activities to be funded will be related to controlling coastal access, 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. Additional 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.

- **The State of Alabama, Baldwin County, and Mobile County detailed estimate of the amount of funds, that will be spent annually on each authorized use**

State of Alabama

There is a total of thirteen (13) Tier One Projects included the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010. Ten (10) projects use Authorized Use #1 as a justification for approximately 47% of the allocation (\$12,035,594.00). Two (2) Projects use Authorized Use #2 as a justification utilizing 49% (\$12,477,922.84) of the allocation. These projects will provide sanitary sewer infrastructure in coastal areas to mitigate damage to natural resources. One remaining project is dedicated to administration allocating 4% or \$1,000,000.00 of FY 2009 and FY 2010 State of Alabama CIAP funding. Authorized Use #4 and Authorized Use #5 are not used to justify any Tier One or Tier Two projects in the State of Alabama’s portion of the CIAP Plan Amendment for FY 2009 and FY 2010. Table 2 summarizes the amount of funds spent on each Authorized Use for the State of Alabama.

State of Alabama Tier One Projects by Authorized Use		
		Total Funding by Authorized Use for FY 2009 and 2010
Authorized Use #1	Number of Projects	10
	Amount	\$12,036,594.00
	Percent	47%
Authorized Use #2	Number of Projects	2
	Amount	\$12,477,922.84
	Percent	49%
Authorized Use #3	Number of Projects	1
	Amount	\$1,000,000.00
	Percent	4%
Authorized Use #4	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Authorized Use #5	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Total	Number of Projects	13
	Amount	\$25,514,516.84
	Percent	100%

Table 3. State of Alabama estimate of funds allocated by Authorized Use.

Baldwin County Commission

Baldwin County has selected six (6) Tier One Projects for FY 2009 and FY 2010 allocations. There are five (5) projects which are justified using Authorized Use #1. This represents 96.75% or \$5,946,092.98 of the total funding. There is one (1) project, CIAP Administration, which uses Authorized Use #3 as a justification. This represents 3.25% or \$200,000.00 of the funding. No projects use Authorized Use #2, Authorized Use #4 or Authorized Use #5 as a justification. Table 3 summarizes the amount of funds spent on each Authorized Use for Baldwin County.

Baldwin County Projects by Authorized Use		
		Total Funding by Authorized Use for FY 2009 and 2010
Authorized Use #1	Number of Projects	5
	Amount	\$5,946,092.98
	Percent	97%
Authorized Use #2	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Authorized Use #3	Number of Projects	1
	Amount	\$200,000.00
	Percent	3%
Authorized Use #4	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Authorized Use #5	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Total	Number of Projects	6
	Amount	\$6,146,092.98
	Percent	100%

Table 4. Baldwin County estimate of funds allocated by Authorized Use.

Mobile County Commission

Mobile County has selected six (6) Tier One Projects for FY 2009 and FY 2010 allocations. There are five (5) projects which are justified using Authorized Use #1. This represents 94% or \$7,110,655.54 of the total funding. There is one (1) project, CIAP Administration, which uses Authorized Use #3 as a justification. This represents 6% or \$481,837.48 of the funding. No projects use Authorized Use #2, Authorized Use #4 or Authorized Use #5 as a justification. Table 4 summarizes the amount of funds spent on each Authorized Use for Mobile County.

Mobile County Projects by Authorized Use		
		Total Funding by Authorized Use for FY 2009 and 2010
Authorized Use #1	Number of Projects	5
	Amount	\$7,110,655.54
	Percent	94%
Authorized Use #2	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Authorized Use #3	Number of Projects	1
	Amount	\$481,837.48
	Percent	6%
Authorized Use #4	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Authorized Use #5	Number of Projects	0
	Amount	\$0.00
	Percent	0%
Total	Number of Projects	6
	Amount	\$7,592,493.02
	Percent	100%

Table 5. Mobile County estimate of funds allocated by Authorized Use.

PROPOSED PROJECT LISTS

State of Alabama Tier One Project Lists

Project Number	Project Title	Project Cost	Page Number
AL-25	Acquisition of Live Oak Landing	\$ 4,000,000.00	19
AL-26	Coden Sewer Line Extension	\$ 6,238,961.42	23
AL-27	Wastewater Facilities for Southeastern Mobile County	\$ 6,238,961.42	27
AL-28	Dauphin Island Shoreline Stabilization Project	\$ 5,000,000.00	31
AL-29	Dauphin Island Sea Lab Estuarium Expansion: Coastal Impacts Exhibit Hall	\$ 395,000.00	33
AL-30	Research of Oyster Population Declines in Reference to the 'Katrina Cut' on Dauphin Island	\$ 87,594.00	37
AL-31	Habitat Restoration at Gulf State Park	\$ 50,000.00	41
AL-32	Construction of a Research Dormitory at Weeks Bay Reserve	\$ 850,000.00	45
AL-33	Five Rivers Delta Resource Center Education Programming Enhancements	\$ 360,000.00	49
AL-34	Geographic Survey of Alabama's Inshore and Offshore Public Artificial Habitat (Reef) Zones	\$ 500,000.00	53
AL-35	Acquisition and Improvement of Properties for Marine Resources Division Oyster Management Stations in Mobile County	\$ 500,000.00	55
AL-36	Island Apple Snail Control in Three Mile Creek Watershed	\$ 294,000.00	59
AL-02-A	Administration of the Coastal Impact Assistance Program	\$ 1,000,000.00	61
Total		\$ 25,514,516.84	

Baldwin County Tier One Project Lists

Project Number	Project Title	Project Cost	Page Number
BC-01-A	Wetland and Waterway Protection	\$ 3,246,092.98	65
BC-12	Acquisition of Live Oak Landing	\$ 2,000,000.00	77
BC-13	Raymond L. Harris Nature Preserve	\$ 250,000.00	83
BC-14	Stream Restoration for Tributary to D'Olive Creek	\$ 250,000.00	89
BC-15	Dauphin Island Sea Lab Habitat Restoration	\$ 200,000.00	95
BC-03-A	Administration of the Coastal Impact Assistance Program	\$ 200,000.00	97
Total		\$ 6,146,092.98	

Mobile County Tier One Project Lists

Project Number	Project Title	Project Cost	Page Number
MC-01-A	Administration of the Coastal Impact Assistance Program	\$ 481,837.48	101
MC-08-A	Sensitive Habitat Restoration and Enhancement of County-owned Property	\$ 3,310,655.54	103
MC-09-A	Continuous and Real-time Recording Station of Meteorological and Hydrographic Parameters in Coastal Alabama	\$ 500,000.00	107
MC-10-A	North Mobile County Wastewater Facilities	\$ 1,300,000.00	111
MC-12-A	West Mobile County Conservation Property Acquisition	\$ 1,500,000.00	113
MC-14	Improved Stormwater Management Program	\$ 500,000.00	115
Total		\$ 7,592,493.02	

State of Alabama Tier Two Project Lists

Project Number	Project Title	Project Cost	Page Number
AL2-16	Bon Secour Land Acquisition Project	\$ 4,875,000.00	123
AL2-17	Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama	\$ 1,350,000.00	125
AL2-18	Beneficial Use of Dredged Material from the Mobile Ship Channel	\$ 6,000,000.00	129
AL2-19	Restoration of Dauphin Island's West End Dunes	\$ 225,000.00	133
AL2-20	Dauphin Island Aloe Bay Property Acquisition	\$ 1,250,000.00	135
AL2-21	Stream Restoration of Tributary to Tiawasee and D'Olive Creek	\$ 540,000.00	137
AL2-22	Perdido Bay Coastal Islands Acquisition	\$ 344,500.00	139
AL2-23	Oyster Reef Enhancement: Quantifying Benefits to the Fishery	\$ 836,529.36	141
AL2-24	Coastal Alabama Land Acquisition	\$ 2,000,000.00	145
AL2-25	Habitat Protection and Restoration along State-Owned Lands in South Mobile County	\$ 5,000,000.00	147
AL2-26	Submerged Aquatic Vegetation Mapping in Coastal Alabama	\$ 500,000.00	151
AL2-27	Construction of a 1500-foot Boardwalk at the Weeks Bay Reserve	\$ 300,000.00	153
AL2-28	Enhancement, Research, and Development of Alabama's Artificial Reef System	\$ 1,600,000.00	155
AL2-29	Water Quality Enhancement in Coastal Watersheds	\$ 1,350,000.00	157
Total		\$ 26,171,029.36	

Baldwin County Tier Two Project Lists

Project Number	Project Title	Project Cost	Page Number
BC2-05	Stream Restoration for Tributary to Tiawasee Creek	\$ 300,000.00	161
BC2-06	Nature Center at Bicentennial Park	\$ 875,000.00	165
BC2-07	Acquisition of Property for Conservation & Public Access	\$ 2,000,000.00	169
Total		\$ 3,175,000.00	

Mobile County Tier Two Project Lists

Project Number	Project Title	Project Cost	Page Number
MC2-11	Household Hazardous Waste Collection Events	\$ 500,000.00	173
MC2-12	Habitat Restoration on Public Lands	\$ 3,000,000.00	177
Total		\$ 3,500,000.00	

PROPOSED TIER ONE PROJECT DESCRIPTIONS

State of Alabama Tier One Project Descriptions

Project Number	Project Title	Project Cost	Page Number
AL-25	Acquisition of Live Oak Landing	\$ 4,000,000.00	19
AL-26	Coden Sewer Line Extension	\$ 6,238,961.42	23
AL-27	Wastewater Facilities for Southeastern Mobile County	\$ 6,238,961.42	27
AL-28	Dauphin Island Shoreline Stabilization Project	\$ 5,000,000.00	31
AL-29	Dauphin Island Sea Lab Estuarium Expansion: Coastal Impacts Exhibit Hall	\$ 395,000.00	33
AL-30	Research of Oyster Population Declines in Reference to the 'Katrina Cut' on Dauphin Island	\$ 87,594.00	37
AL-31	Habitat Restoration at Gulf State Park	\$ 50,000.00	41
AL-32	Construction of a Research Dormitory at Weeks Bay Reserve	\$ 850,000.00	45
AL-33	Five Rivers Delta Resource Center Education Programming Enhancements	\$ 360,000.00	49
AL-34	Geographic Survey of Alabama's Inshore and Offshore Public Artificial Habitat (Reef) Zones	\$ 500,000.00	53
AL-35	Acquisition and Improvement of Properties for Marine Resources Division Oyster Management Stations in Mobile County	\$ 500,000.00	55
AL-36	Island Apple Snail Control in Three Mile Creek Watershed	\$ 294,000.00	59
AL-02-A	Administration of the Coastal Impact Assistance Program	\$ 1,000,000.00	61
Total		\$ 25,514,516.84	

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
N. Gunter Guy, Jr., Commissioner
64 North Union Street
Montgomery, AL 36103
Phone: (334) 242-3484
Fax: (334) 242-0999
Email: dcnr.ciap@dcnr.alabama.gov

PROJECT TITLE

Acquisition of Live Oak Landing

PROJECT NUMBER

AL-25

CONTACT INFORMATION

Recipient Contact

N. Gunter Guy, Jr., Commissioner
Alabama Department of Conservation and Natural Resources
64 North Union Street
Montgomery, AL 36103
Phone: (334) 242-3484
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Application Contact

William H. Brantley
Alabama State Lands Division
Department of Conservation and Natural Resources
64 North Union Street
Montgomery, AL 36130
Phone: (334) 242-3484
Fax: (334) 242-0999
E-mail: Will.Brantley@dcnr.alabama.gov

Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$4,000,000.00
FY 2009 - \$4,000,000
FY 2010 - \$0.00
Location: Stockton, Alabama
Latitude: 30° 57' 28.96" N
Longitude: 87° 51' 30.42" W
Duration: One Year

GOAL

Using CIAP funding, the State of Alabama will acquire land to conserve natural areas in coastal Alabama.

OBJECTIVE

The objective of this project is to purchase conservation land at Live Oak Landing, located adjacent to the Mobile Tensaw Delta in northern Baldwin County.

SUMMARY OF PROJECT

The Mobile-Tensaw Delta is a 250,000 acre expanse of coastal wetlands formed by convergence of Alabama, Tombigbee and Tensaw Rivers from northern Mobile and Baldwin County to the mouth of Mobile Bay. Since the 1990's, the State of Alabama has purchased tens of thousands of acres of this habitat using a variety of funding sources including the State of Alabama Forever Wild Program, U.S. Forest Legacy, National Coastal Wetlands Conservation Act, among others. This effort has conserved over 50,000 acres of cypress-tupelo and bottomland hardwood swamps, marshes, sand hills, and other habitats associated with this ecosystem.

This project is partnership between the State of Alabama, and Baldwin County (BC-12), and the Trust for Public Land to acquire a keystone parcel in the Mobile- Tensaw Delta. Live Oak Landing is a 578-acre tract, located directly north of Interstate 65 on the west side of the Tensaw River (see map). The tract consists of over 6,100 linear feet of river frontage and is ecologically diverse as it contains a wide variety of plant and animal species. The property consists of high quality mesic hammock, a bald cypress strand along the Tensaw, and interior wetlands. The tract borders county-owned conservation property to the south and provides low impact access to thousands of acres of conservation property in the Mobile-Tensaw Delta. Last, conservation of this tract will protect cultural resources as archaeologists have discovered Native American Indian mounds on the site.

This project will purchase conservation land at Live Oak Landing. A yellow-book appraisal will be acquired for the tract prior to purchase. The deed will be restricted according to CIAP program requirements. The grant period is estimated to be one year.

AUTHORIZED USE

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 meets Authorized Use #1 because it will acquire land for conservation within the coastal area of Alabama. All improvements to the land will be made in accordance with CIAP requirements. CIAP funds will be used for land acquisition only.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

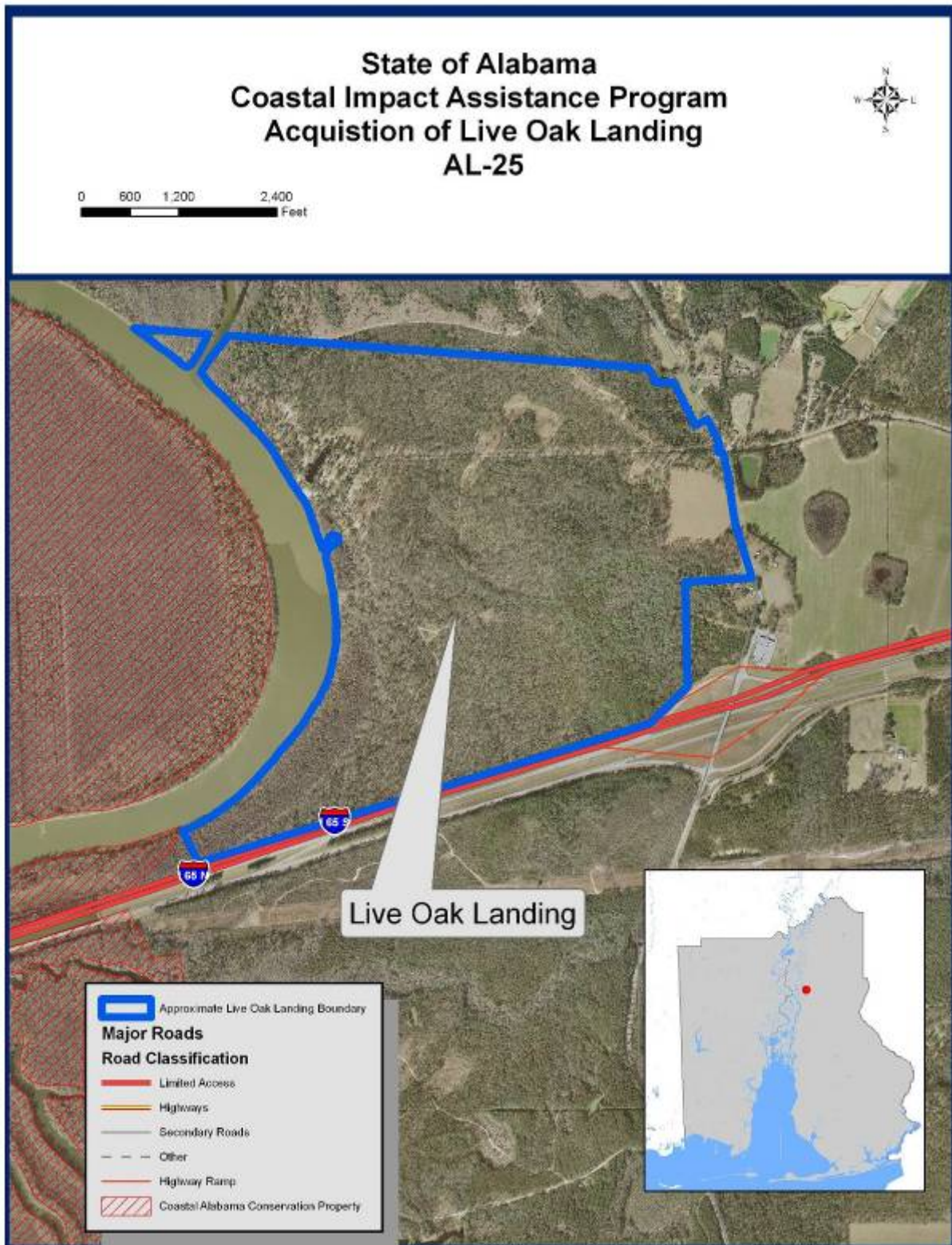
Baldwin County is a project partner. Project BC-12 allocates \$2,000,000.00 to acquire acreage at Live Oak Landing. The State of Alabama Department of Conservation and Natural Resources and Baldwin County will submit separate CIAP grant applications and the parcels will be acquired separately. Further, the State of Alabama has submitted a grant application to the Coastal Estuarine Land Conservation Program (CELCP) administered by NOAA. The grant application is currently under review. This grant application requests \$3,000,000.00 of federal funds. Last, using funding from the 2001 CIAP,

administered by NOAA, Baldwin County purchased the tract directly north of Live Oak Landing (Bicentennial Park).



Picture of Tensaw River from Live Oak Landing

Live Oak Landing



**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
N. Gunter Guy, Jr., Commissioner
64 North Union Street
Montgomery, AL 36103
Phone: (334) 242-3484
Fax: (334) 242-0999
Email: dcnr.ciap@dcnr.alabama.gov

PROJECT TITLE

Coden Sewer Line Extension

PROJECT NUMBER

AL-26

CONTACT INFORMATION

Recipient Contact

N. Gunter Guy, Jr.
Commissioner
64 North Union Street
Montgomery, AL 36103
Phone: (334) 242-3484
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Application Contact

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Montgomery, AL 36130
Phone: (334) 242-3484
Fax: (334) 242-0999
E-mail: Will.Brantley@dcnr.alabama.gov

Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$6,238,961.42
FY 2009 - \$6,238,961.42
FY 2010 - \$0.00
Location: Coden, South Mobile County
Latitude: 30° 23' 35.34"N
Longitude: 88° 09' 54.71" W
Duration: Four Years

GOAL

The goal of this project is to reduce pollution in coastal waters and enhance coastal water quality.

OBJECTIVE

The objective of this project is to extend sanitary sewer infrastructure in southern Mobile County to replace failing on-site septic systems for 345 residences and businesses

SUMMARY OF PROJECT

This project will provide sanitary sewer services to residences and small businesses east of Bayou La Batre in southern Mobile County. The area includes unincorporated communities such as Coden, Bayou Jonas and Delchamps and is adjacent to many bodies of water including Portersville Bay, Heron Bay, Mobile Bay, Fowl River and Fowl River Bay. These waterways are home to the richest population of fish and shellfish communities in Alabama. This project will extend the City of Bayou La Batre's sewer collection system to connect on-site systems to sanitary sewer west of Fowl River. On-site systems have a high documented failure rate, especially in southern Mobile County. The City of Bayou La Batre is in the process of constructing a wastewater treatment facility which will provide tertiary treatment and has the capacity to serve residences and businesses, eliminating the discharge of pathogens into the adjacent bodies of water. 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. Project costs include engineering, permitting, and construction.

The project will consist of two phases. First, a grant will be submitted requesting funding for engineering and permitting costs. Once the engineering is completed, a grant will be submitted requesting funding for construction. As each house or business is connected to the new sanitary sewer system, the old septic tank will be closed and abandoned in accordance with the rules and regulations established by the Mobile County Health Department. This project is similar in scope to MC2-2, South Mobile County Wastewater Facility. This Tier Two project was included in approved Mobile County's portion of the State of Alabama CIAP Plan for FY 2007 and FY 2008.

AUTHORIZED USE

This project meets the criteria set forth in Authorized Use #2, mitigation of damage to fish, wildlife, or natural resources.

JUSTIFICATION

This project meets Authorized Use #2 because it will minimize or eliminate a source of pollution in southern Mobile County. This project will assist with mitigating impacts to water quality in Portersville Bay, Heron Bay, Mobile Bay, Fowl River and Fowl River Bay by eliminating poorly functioning and unreliable septic systems, providing for the proper collection and treatment of sanitary sewer, and reducing the discharge of untreated sewer to surface waters that flow into the water bodies of southern Mobile County.

This project will also protect oyster and fish communities located in the Heron Bay area. Oyster habitat is vital to the health of an estuary, effectively filtering nutrients, algae, bacteria, fine sediments and toxins from the water and improving water quality. A typical adult oyster filters between 20 and 50 gallons of water per day. Clearer water allows for more sunlight penetration which can lead to expansion of seagrass beds. Oyster reefs provide important forage and refuge habitat for over 300 species of invertebrates, such as shrimp, crabs, clams, snails and worms, as well as many species of fish such as snook, grouper, redfish, black drum and more. Many fish species that live as adults on the offshore reefs spend the juvenile phase of their life on oyster reefs.

The wetlands and waterways of south Mobile County are some of the most productive oyster fisheries in Alabama. The Alabama Marine Resources Division (MRD) through funding from NOAA's Emergency Disaster Recovery Program (EDRP), has engaged in an extensive effort to plant oysters and relay oyster populations to expand reefs in this area. Specific projects have planted shells in Portersville Bay, Heron Bay, and relayed oyster populations from northern Mobile Bay to the mouth of Fowl River. Since 2004, the oyster population has been decimated due to the increase of salinity and oyster drill. During rainy summer months, the Mobile County Health Department will close oyster reefs due to pollution from failing on-site septic tanks.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will utilize State of Alabama CIAP funding only. The State of Alabama may pursue projects which demonstrate a financial commitment or leveraging of resources.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
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PROJECT TITLE

Wastewater Facilities for Southeastern Mobile County

PROJECT NUMBER

AL-27

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$6,238,961.42

FY 2009 - \$0.00

FY 2010 - \$: \$6,238,961.42

Location: Fowl River and Mon Luis Island (including Alabama Port, Heron Bay, and Delta Port

Latitude: 30° 23' 35.34"N

Longitude: 88° 09' 54.71" W

Duration: Three Years

GOAL

The goal of this project is to reduce pollution in coastal waters and enhance coastal water quality.

OBJECTIVE

The objective of this project is to extend sanitary sewer infrastructure in southern Mobile County to replace failing on-site septic systems for approximately 400 residences and businesses

SUMMARY OF PROJECT

This project will provide sanitary sewer services to residences and small businesses in the Fowl River area and communities located on Mon Luis Island in extreme southeastern Mobile County. The area includes unincorporated communities such as Delta Port, Alabama Port, and Heron Bay and is adjacent to Fowl River (including East Fowl River and Fowl River Bay), Heron Bay, and Mobile Bay. These waterways are home to the richest population of fish and shellfish communities in Alabama. The project will extend the existing sewer north of Fowl River and construct new sewer for Alabama Port and Heron Bay. This project will connect failing on-site systems to sanitary sewer north of Fowl River, south of Fowl River, and west of East Fowl River, or Mon Luis Island. On-site systems have a high documented failure rate, especially in southern Mobile County. Project costs include engineering, permitting, and construction (new sewer and sewer extension). This project will eliminate the discharge of pathogens into the adjacent bodies of water. 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 project consists of two phases. First, grant or grants will be submitted requesting funding for engineering and permitting costs for multiple projects. Once the engineering is completed, a subsequent grant will be submitted requesting funding for construction. As each house or business is connected to the new sanitary sewer system, the old septic tank will be closed and abandoned in accordance with the rules and regulations established by the Mobile County Health Department. This project is similar in scope to MC2-02, South Mobile County Wastewater Facility. This Tier Two project was included in approved Mobile County's portion of the State of Alabama CIAP Plan for FY 2007 and FY 2008.

AUTHORIZED USE

This project meets the criteria set forth in Authorized Use #2, mitigation of damage to fish, wildlife, or natural resources.

JUSTIFICATION

This project meets Authorized Use #2 because it will minimize or eliminate a source of pollution in southern Mobile County. This project will assist with mitigating impacts to water quality in Fowl River (including East Fowl River and Fowl River Bay), Heron Bay, and Mobile Bay by eliminating poorly functioning and unreliable septic systems, providing for the proper collection and treatment of sanitary sewer, and reducing the discharge of untreated sewer to surface waters that flow into the water bodies of southern Mobile County.

This project will also protect oyster and fish communities located in the Heron Bay area. Oyster habitat is vital to the health of an estuary, effectively filtering nutrients, algae, bacteria, fine sediments and toxins from the water and improving water quality. A typical adult oyster filters between 20 and 50 gallons of water per day. Clearer water allows for more sunlight penetration which can lead to expansion of seagrass beds. Oyster reefs provide important forage and refuge habitat for over 300 species of invertebrates, such as shrimp, crabs, clams, snails and worms, as well as many species of fish such as snook, grouper, redfish,

black drum and more. Many fish species that live as adults on the offshore reefs spend the juvenile phase of their life on oyster reefs.

The wetlands and waterways of south Mobile County are some of the most productive oyster fisheries in Alabama. The Alabama Marine Resources Division (MRD) through funding from NOAA's Emergency Disaster Recovery Program (EDRP), has engaged in an extensive effort to plant oysters and relay oyster populations to expand reefs in this area. Specific projects have planted shells in Portersville Bay, Heron Bay, and relayed oyster populations from northern Mobile Bay to the mouth of Fowl River. Since 2004, the oyster population has been decimated due to the increase of salinity and oyster drill. During rainy summer months, the Mobile County Health Department will close oyster reefs due to pollution from failing on-site septic tanks.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will utilize State of Alabama CIAP funding only. The State of Alabama may pursue projects which demonstrate a financial commitment or leveraging of resources.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Dauphin Island Shoreline Stabilization Project

PROJECT NUMBER

AL-28

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$5,000,000.00
FY 2009 - \$0.00
FY 2010 - \$5,000,000.00
Location: Dauphin Island, Alabama
Latitude: 30° 14' 42.02" N
Longitude: 88° 05' 08.15" W
Duration: Three Years

GOAL

The goal of this project is to restore coastal areas.

OBJECTIVE

This project will implement a shoreline stabilization on Dauphin Island.

SUMMARY OF PROJECT

Dauphin Island, Alabama is a coastal barrier island located in southern Mobile County. It has experienced significant erosion along the east end and west end. Specific areas of concern include the east end beach area directly south of the Dauphin Island Audubon Bird Sanctuary (<http://www.dauphinisland.org/bird.htm>). It is estimated, the shoreline has eroded increasing the risk for overwashing of the freshwater lake at the sanctuary. During frequent storms in recent history, the dune field on the island has been destroyed. On the west end, the lowered elevations have resulted in frequent overwashing, exacerbating erosion of the beach areas.

The scope of this project will be defined by the results of a comprehensive feasibility/design study. Such a study will determine what methodology for shoreline stabilizations should be employed for Dauphin Island along with preliminary cost estimates. Project costs include engineering, permitting, and construction associated with a proposed shoreline stabilization project. This project may be submitted in phases, whereby Phase 1 will request grant funding for engineering and permitting and Phase 2 will request grant funds for construction.

AUTHORIZED USE

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 meets Authorized Use #1 because it will restore coastal areas via a shoreline stabilization project on Dauphin Island.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

NOAA has provided funding for a engineering/design study. Further, there is potential for partnering with the Dauphin Island Property Owner's Association via financial contributions from that organization.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Dauphin Island Sea Lab Estuarium Expansion: Coastal Impacts Exhibit Hall

PROJECT NUMBER

AL-29

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$395,000.00

FY 2009 - \$395,000.00

FY 2010 - \$ 0.00

Location: Dauphin Island Sea Lab, East End Dauphin Island, Alabama

Latitude: 30° 15' 00.51" N

Longitude: 88° 04' 41.17" W

Duration: Three Years

GOAL

The goal of this project is to conserve and protect Alabama's coastal areas by raising the public awareness through the construction of natural resource-based educational facilities.

OBJECTIVE

This objective of this project is to construct a 2,000 square foot Coastal Impacts Exhibit Hall adjacent to the Dauphin Island Sea Lab's Estuarium to host 70,000 annual visitors (general public, K-12 students and teachers).

SUMMARY OF PROJECT

The Dauphin Island Sea Lab (www.disl.org) was founded in 1971 by the Alabama State Legislature with a mission to further marine science education, marine science research, coastal zone management policy and educating the general public through the Estuarium, a public aquarium. The educational mission also includes Discovery Hall Programs (DHP) which encompasses K-12 field programs, teacher-training, and public outreach. The Coastal Impacts Exhibit Hall would consist of a 2000 square foot concrete and steel enclosed facility connected to the existing 12,500 square foot Estuarium. This expansion would house interactive and static permanent and traveling exhibits described below as well as facilities to support increased visitation. CIAP will not pay for the cost of the exhibits. The Estuarium is located on the east end of Dauphin Island, a location which provides views of Mobile Bay, Bon Secour Bay and the Gulf of Mexico, all with visible structures related to the energy industry that can be used to engage the public in presentation of content related to Outer Continental Shelf activities. The facility will be built using the U.S. Green Building Council's LEED construction design practices where feasible.

Project costs consist of architectural/engineering fees and construction costs. This project may be submitted in phases, whereby Phase 1 will request grant funding for architectural/engineering fees and Phase 2 will request grant funds for construction.

AUTHORIZED USE

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 meets Authorized Use #1 because it will construct educational infrastructure improvements at the Dauphin Island Sea Lab. The additional space, will host many natural resource based educational activities. These activities will provide the visitors of the DISL appreciation of Alabama's coastal resources fostering a long-term sense of stewardship, and in turn will benefit the natural coastal environment.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There have been many partners associated with the Dauphin Island Sea Lab Discovery Hall (DISL-DHP) Programs including NOAA Ocean Education, Northern Gulf Institute (NOAA-CI), Mississippi-Alabama Sea Grant (NOAA), Coastal America/Smithsonian Institution and the EPA Gulf of Mexico Program Coastal Ecosystem Learning Centers network that have provided funds to support the development and implementation of permanent or traveling exhibits in the Estuarium. Additionally, DISL-DHP actively collaborates with Gulf of Mexico Alliance (supported by the EPA Gulf of Mexico Program), the Mobile Bay National Estuary Program, the Mobile County Public School System, the Mississippi River Museum and Aquarium (Dubuque, IA), the Alabama State Department of Education, GulfQuest (Mobile Maritime

Museum), Shell Oil Company, and ExxonMobil to increase ocean and climate literacy using the Estuarium and a variety of other education and outreach tools.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Research of Oyster Population Declines in Reference to the 'Katrina Cut' on Dauphin Island

PROJECT NUMBER

AL-30

CONTACT INFORMATION

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Sub-grantee Contact

The Auburn University Shellfish Laboratory (AUSL)
150 Agassiz Street
Dauphin Island, AL 36528
Phone: (251) 861-3018
Fax: (251) 861-2344

PROJECT SUMMARY

Estimated Cost: \$87,594.00
FY 2009: \$87,594.00
FY 2010: \$0.00

Location: Research will take place on the west end of Dauphin Island and in the Mississippi Sound

Latitude: 30° 14' 48.36" N
Longitude: 88° 12' 43.40" W
Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective of this project is to complete a study researching declines in oyster populations in response to the 'Katrina Cut' on Dauphin Island.

SUMMARY OF PROJECT

One of the impacts of Hurricane Katrina was the creation of an approximate 1.25-mile wide pass cut along the west end of Dauphin Island. The cut is known as "Katrina Cut" and it has been the subject of speculation as to its effects on oyster populations in Mississippi Sound. Oyster harvesters have suggested that "Katrina Cut" has led to increased salinity in Mississippi Sound which, in turn, led to an influx of the predatory oyster drill, *Stramonita haemastoma*. Populations of adult oysters, in fact, have experienced severe declines in recent years, which have been widely attributed to large numbers of oyster drills. Despite this correlation, this decline in the oyster population also coincided with drought conditions that persisted from late 2005 through 2007 that may also account for the rise in salinity. The Auburn University Shellfish Laboratory (AUSL) proposes to investigate the current and past status of oyster populations and the effect of "Katrina Cut" and droughts on oyster populations in Mississippi Sound, Alabama.

The research will consist of these parts. First, a comprehensive review of historical data will be conducted. This review will investigate the relationship between oyster landings and population data to environmental factors such as river discharge, available salinity data, precipitation data and hurricane data. Second, the effects of the Katrina cut will be modeled through hydrodynamic and water quality models developed by the U.S. Army Corps of Engineers as part of the Mississippi Coastal Improvement Project (MSCIP). Model results from this effort will be provided to Auburn University personnel to analyze the effect of "Katrina Cut" on water quality parameters and how these parameters would be predicted to change with a closing of the cut. Also a wave/surge model is being applied to perform a sensitivity analysis on the impact of the closure of Ship Island on waves and surge at the mainland coast. "Katrina Cut" on Dauphin Island is included in these simulations. Results from these simulations will also be provided to Auburn University personnel to consider in their analysis.

The third part this research project will consist of an assessment of the oyster drill populations in reference to the cut. AUSL proposes to analyze the current status of oyster drill populations through field transect sampling in relation to "Katrina Cut". Five 10 km transects will be established, radiating roughly W, NNW, N, NNE, and E into Mississippi Sound from "Katrina Cut". Along each transect will be three stations, located at 1 km, 5 km and 10 km from the Cut. At each station they will deploy specially designed oyster drill traps (n=3) baited with a known number of similarly sized oysters seed and allow them to fish for a standard period of time (24-48 hours). Upon collection, the number and sizes of oyster drills and the percent of oysters killed by the drills will be recorded. This will provide an idea of oyster drill abundance (oyster drills caught per unit effort), relative to the direction and distance from "Katrina Cut". The analysis will test the relative importance of "Katrina Cut" as the primary causal force of changes in predation pressure by oyster drills and give an indication of directional movement. The sampling will be conducted every two months for a period of 1 year.

This project will be sub-granted to the Auburn University Shellfish Laboratory. Project costs will include personal, fringe, equipment, supplies, and travel costs. This project will result in a final report.

Although the “Katrina-cut” has been closed in response to the Deepwater Horizon Oil Spill, this research project is still relevant. Historically, Dauphin Island has been cut by storms several times and likely will be cut again in the future. There is a good chance that even though "Katrina Cut" has been closed, the ends of that closure area will potentially become weak points or erosion points for future cuts. Completion the described project will inform management decisions about future cuts in Dauphin Island and whether these cuts affect oyster and oyster drill populations in Mississippi Sound and around Alabama's historically productive oyster reefs.

The transect surveying the plan will be slightly altered to establish a baseline survey of drill populations at three locations: the West end of Dauphin Island, directly behind the now closed "Katrina Cut", and the East end of Dauphin Island. This project will keep our proposed number of transects but spread them out over these three sites. This will give a measure of oyster drill population at the two current interfaces of the Gulf of Mexico with Alabama inshore waters and compare that to the now closed Katrina Cut area. Assessing the current oyster drill population conditions at the cut location and comparing it to two areas that are open to Gulf of Mexico salinity influence will provide a current status update and serve as baseline data for assessing potential population changes occurring from future cuts in Dauphin Island.

AUTHORIZED USE

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 meets Authorized Use #1 because it will provide information to assist resource managers in the coastal area of Alabama. The project will benefit the natural coastal environment through the development of sustainable management of oyster fisheries.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will result in partnership between the Auburn University Shellfish Laboratory, Auburn University Marine Extension and Research Center and the U.S. Army Corps of Engineers.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
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PROJECT TITLE

Habitat Restoration at Gulf State Park

PROJECT NUMBER

AL-31

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$50,000.00

FY 2009: \$50,000.00

FY 2010: \$0.00

Location: Gulf State Park, Gulf Shores, Alabama

There are two project locations described in this project

Sea Oat Restoration

Latitude: 30° 14' 59.73" N

Longitude: 87 °40'20.90"W

Habitat Enhancement and Restoration for gopher tortoise (*Gopherus polyphemus*) and eastern indigo snake (*Drymarchon corais couperi*)

Latitude: 30° 16' 49.47" N

Longitude: 87 °36'03.41" W

Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective of this project is to complete two restoration projects at Gulf State Park: Restoration of Sea Oats and Habitat Enhancement for the gopher tortoise (*Gopherus polyphemus*) and eastern indigo snake (*Drymarchon corais couperi*). The first project will restore 25 acres of dune to improve habitat for the federally listed Alabama Beach Mouse. The second project will enhance relocated gopher tortoises and east indigo snakes to the northeast corner of Gulf State Park.

SUMMARY OF PROJECT

Gulf State Park consists of more than 6,000 areas of coastal habitat located directly adjacent to the Gulf of Mexico between the cities of Gulf Shores and Orange Beach. This project will restore and enhance natural areas of the park through two project tasks.

Sea Oat Restoration: On the east of the Gulf State Park Pier, there is 25 acres of beachfront sand dunes located between the beach road and the Gulf of Mexico. This area could become a more viable habitat associated with the Alabama/Perdido Key Beach Mouse (*Peromyscus polionotus trissyllepsis*), a federally listed protected species. These dunes have been degraded from minor storms since Hurricane Katrina in 2005. This project will plant sea oats to stabilize the dunes in order to restore habitat.

Restoration and Enhancement of Gopher Tortoise (*Gopherus polyphemus*) and East Indigo Snake (*Drymarchon corais couperi*) populations: The overall objective of this project is to increase the gopher tortoises and eastern Indigo snakes populations in Gulf State Park. The Park currently has some gopher tortoises within its historical range however, the eastern Indigo snake is no longer found within the park. This project will translocate gopher tortoise and eastern indigo snake to its natural range within Gulf State Park. Eastern Indigo snakes will be bred and reared rear the snakes for relocation. Gopher tortoises will come from sustainable populations from state-owned land in coastal Alabama. All federal and state guidelines will be followed during the relocation and the U.S. Fish and Wildlife Service will be consulted throughout implementation of the project.

AUTHORIZED USE

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 meets Authorized Use #1 because it restores habitat of the natural coastal environment in Gulf State Park, Gulf Shores, Alabama.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will work with the U.S. Fish and Wildlife Services and the Alabama Grasses to Clashes Program to enhance and restore coastal habitat in Gulf State Park, Gulf Shores, Alabama.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Construction of a Research Dormitory at Weeks Bay Reserve

PROJECT NUMBER

AL-32

CONTACT INFORMATION

Recipient Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$850,000.00

FY 2009: \$850,000.00

FY 2010: \$0.00

Location: Weeks Bay National Estuarine Research Reserve, Fairhope, Alabama

Latitude: 30° 25' 16.04" N

Longitude: 87 °49' 47.10"W

Duration: Four Years

GOALS

The goal of this project is to conserve and protect Alabama's coastal areas by raising the public awareness through the construction of natural resource-based educational facilities.

OBJECTIVE

This objective of this project is to construct a dormitory at the Weeks Bay National Estuarine Research Reserve.

SUMMARY OF PROJECT

The Weeks Bay National Estuarine Research Reserve is located in southwest Baldwin County and is managed by 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 to encourage land stewardship practices through partnerships, public education, and outreach programs. Thousands of visitors and students come to this facility every year.

The State of Alabama will expend CIAP funds to construct a research dormitory to facilitate research in coastal Alabama. There is an immediate and essential need for design and construction of a research dormitory to facilitate biological field work at the Weeks Bay National Estuarine Research Reserve. The research program assists researchers with field activities in and around Weeks Bay. The Reserve functions as a platform for research and stewardship activities. These research and stewardship activities often lead to and address coastal issues advancing best approaches to management of coastal resources. The need for a research dormitory has been identified in the approved Management Plan for the Weeks Bay Reserve. This dorm facility would greatly improve the ability of the Reserve to accommodate visiting researchers in their pursuit of investigating the coastal process in and around the Weeks Bay estuary. The dormitory would provide up to 30 bed spaces, common room, and kitchen facilities allowing researchers to stay for prolonged periods to optimize use of resources in their field investigations.

A new dormitory facility will respond to research needs identified as supporting the demand for scientific investigation at Weeks Bay. Research at the Reserve has included a variety of topics and subject areas directly related to ensuring the high quality and pristine nature of Weeks Bay and other associated estuaries. Research topics have included titles such as Land Use Change and Erosion Impacts on Water Quality, Nutrient Transport and Uptake by the Weeks Bay Estuary, Ecologic Impact of Mercury in the Weeks Bay Watershed, Hypoxia in Weeks Bay, an Estuary in Coastal Alabama, Impact of Pollutants on Ground Water Associated with the Weeks Bay Area, and Population Study of the Endangered Alabama Red-bellied Turtle in the Weeks Bay Watershed. Such topics of research are essential in providing scientific information to best manage the natural resources of coastal Alabama. In the past calendar year topics of research have included investigation of the effects of sea level rise, hurricanes, shoreline erosion, non-point source pollution on fisheries; economic valuation of essential fisheries habitat; marsh creeks as sentinel habitat; restoration of marshes, wetlands and polluted sediments.

Over the last year, during 2009 and into the fall of 2010, research at Weeks Bay Reserve has included more than 24 higher academic institutions (i.e. universities, colleges, and governmental agencies), involving 100+ professors, researchers and graduate students, and acquiring scientific information relating to coastal estuaries on scores of topics. This is indicative of research demands and use for the ten years prior as well, although demand continues to increase over time. Researchers spending time doing research in and around the estuary at Weeks Bay have utilized the limited dormitory space provided by the State.

AUTHORIZED USE

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 meets Authorized Use #1 because it will construct educational infrastructure improvements at the Weeks Bay National Estuarine Reserve. The additional space will facilitate research in coastal Alabama.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will partner with the National Estuarine Research Reserve funding provided by NOAA.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
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PROJECT TITLE

Five Rivers Delta Resource Center Education Programming Enhancements

PROJECT NUMBER

AL-33

CONTACT INFORMATION

Recipient Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$360,000.00

FY 2009: \$360,000.00

FY 2010: \$0.00

Location: Five Rivers Delta Resource Center, Spanish Fort, Alabama

Latitude: 30° 40' 31.14" N

Longitude: 87 ° 55' 55.32" W

Duration: Four Years

GOALS

The goal of this project is to increase public awareness of conservation and protection of coastal Alabama's designated protected areas (Grand Bay Savanna, Lillian Swamp, Gulf State Park, Splinter Hill Bog, Perdido River Corridor and Mobile-Tensaw Delta) through the production of natural resource-based educational materials.

OBJECTIVE

This objective of this project to develop education programming enhancements for Five Rivers Delta Resource Center including development of professional exhibits, videography, curriculum development, and classroom enhancements to reach 10,000 visitors annually.

SUMMARY OF PROJECT

Five Rivers Delta Resource Center (a.k.a. Five Rivers) is a facility for outdoor recreation, conservation and land stewardship in Alabama located on the Mobile Bay Causeway in Spanish Fort, Alabama. The facility is run by the Alabama State Lands Division and it consists of meeting rooms, classrooms, exhibit hall, walking trails, canoe and kayak launch and more. In 2009, Five Rivers provided educational field trips to over 6,000 students. This same year, total attendance exceeded 60,000 visitors. The facility teaches visitors about the Mobile-Tensaw Delta. Learning about this 250,000 acre wetland also enables learning about wetland plants and wildlife, various conservation issues such as water quality, nonpoint source pollution and endangered species, and how to be good stewards of coastal ecosystems. With 93 schools in Mobile County, 46 in Baldwin County, plus field trips coming to visit from all over Alabama and neighboring states, and visitors in 2009 from 41 states and 12 countries around the world, Five Rivers is in an ideal location to highlight valuable conservation issues that are applicable not only for Coastal Alabama, but other localities as well. This project will consist of the four tasks:

1. Professional Exhibits: Funding would pay for consulting services to design and produce selected modular exhibits that will be of general use to all State Lands Division educational resource facilities. Suggested exhibits include: Forever Wild Display; Mobile-Tensaw River Delta; Longleaf Pine/Fire Ecology; Land Stewardship; Live Aquatic Animal and Plant Exhibit. The estimated cost of exhibits construction is \$135,000.00
2. Videography. The Tensaw Theater at Five Rivers was envisioned to be a "virtual tour" space for the Mobile-Tensaw River Delta and beyond. Currently, its library of original offerings is quite small. Funding would be utilized to script and professionally produce a series of short (<30 minute) video segments focusing on the phenology of the Delta, the Bartram Canoe Trail, and the Forever Wild Program. One possible series would be a collection of short (5-10 minute) Forever Wild tract virtual tours, modeled after the Outdoor Alabama Parks series. Another appropriate project would be completion of the Waters to the Sea: Discovering Alabama. This project will consist of 5 videos at a cost of \$15,000.00 each or total cost of \$75,000.00.
3. Classroom Enhancements: At the facility, a classroom will be designed to install casework and laboratory materials (microscopes, specimens, etc) so that it may better function as a biology and general science classroom space. The estimated cost of this project is \$50,000.00.
4. Curriculum Enhancements: This project would provide funding for contract labor to develop education curriculum. The curriculum would be designed to engage specific user groups of Five Rivers and would be integrated with the exhibits, videography and classroom enhancements. The estimated budget for this task is \$100,000.00

The project may be submitted as one comprehensive grant or individual grants. Project costs will include salary, fringe, equipment, supplies, travel, construction, and contractual fees.

AUTHORIZED USE

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 meets Authorized Use #1 because it will enhance environmental educational programming at the Five Rivers Delta Resource Center. Conservation of natural coastal environment begins with education. Education fosters interest and appreciation in the natural coastal environment.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will utilize State of Alabama CIAP funding only.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
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PROJECT TITLE

Geographic Survey of Alabama's Inshore and Offshore Public Artificial Habitat (Reef) Zones

PROJECT NUMBER

AL-34

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$500,000.00

FY 2009: \$500,000.00

FY 2010: \$0.00

Location: Inshore and offshore areas of Coastal Alabama

Latitude: 30° 14' 59.73" N

Longitude: 87 °40'20.90"W

(Note this is coordinates of the Claude Peteet Mariculture Center in Gulf Shores)

Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

This project will survey and map the location of Alabama's Inshore and Offshore public artificial reefs under the jurisdiction of the Alabama Marine Resources Division (MRD) and develop a final report summarizing the project's findings.

SUMMARY OF PROJECT

The State of Alabama has developed a successful artificial habitat program which is designed to create and enhance inshore and offshore artificial reef habitats. Since the implementation of the current reef program in 1987, Marine Resources Division (MRD) has permitted artificial structures deployed by public and private sectors in our offshore permit zones. Inshore, MRD has created a total of 25 fishing habitats located within Mobile, Bon Secour, and Perdido Bays and Mississippi Sound. This project will result in a comprehensive geographic study of the public inshore and offshore reef zones.

The project will utilize side-scan sonar technology to geographically map the location of structures and to assess the resiliency of deployed materials within these zones. This map will have numerous applications such as design of sampling programs addressing fisheries age-abundance complexes (i.e. age of red snapper harvested from reefs) to be used in quota allocation, sustainability and potential movement of deployed material (user group conflicts), damage assessments following storm events, and assessment of potential impacts of existing and proposed offshore oil and gas activities. All data collected through the scanning/mapping process will be stored in GIS format and made available to state and federal managers for use in resource management. In addition to the digital GIS database, this project will also result in a report.

AUTHORIZED USE

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 meets Authorized Use #1 because results in a comprehensive study to assist in management of inshore and offshore natural resources.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will utilize State of Alabama CIAP funding only.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Acquisition and Improvement of Properties for Marine Resources Division Oyster Management Stations in Mobile County

PROJECT NUMBER

AL-35

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$500,000.00

FY 2009: \$0.00

FY 2010: \$500,000.00

Location: Coden, Mobile County

Latitude: 30° 22' 28.17"N

Longitude: 88° 04' 41.17"W

(Note – these are general coordinates of the Coden Area and do not represent a particular parcel)

Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

This project will acquire and improve waterfront property on Mississippi Sound in south Mobile County to serve as oyster management stations.

SUMMARY OF PROJECT

Alabama's oyster reefs are a vital component of Alabama's inshore marine ecosystem and are significantly connected to the health of Mississippi Sound, Portersville Bay, and Mobile Bay. Oyster reefs are living habitats that provide refuge and forage for numerous marine species. Alabama possesses the least amount of oyster reefs (by area) along the Gulf coast as compared to the other Gulf States. As such, measures are needed to ensure the sustainability of these limited resources.

Much of the coastal and marsh habitat along Alabama has been threatened or lost in recent years due to development along the coast. These habitats are essential to the conservation of countless organisms from marine animals such as fish, shrimp, and crabs to a diversity of avian species and plants. Protection of these rapidly disappearing areas is a key priority among Alabama's coastal resource managers.

This project will acquire tracts of land along Mississippi Sound in the Coden area of south Mobile County for the establishment of management stations essential to the monitoring of the health and vitality of Alabama's primary oyster reefs. The establishment of these management stations is a primary component of the Alabama Marine Resources Division's (AMRD) recently revised Oyster Management Plan. Management stations will not provide public water access and will not be available for use by the general public; they will be used strictly for the management (i.e. monitoring and enhancing the health and sustainability) of the oyster populations. Management stations and associated utilities will be constructed on the property. As part of this project, AMRD plans to purchase mobile office trailers (10ft X 20ft) to be used as management stations. The mobility of this type of office space will allow managers to relocate these office spaces to safe locations during times of inclement/cyclonic weather events. Utilities such as electricity, water, sewer, and site security will be established on site for station operation. Additional construction activities may include shoreline stabilization and dock construction. AMRD will obtain all required environmental permits. A yellow-book appraisal will be acquired for the tracts prior to purchase. The deed will be restricted according to CIAP program requirements.

AUTHORIZED USE

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 meets Authorized Use #1 because it acquires land for conservation and better management of the oyster populations in south Mobile County. .

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will utilize State of Alabama CIAP funding only.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Island Apple Snail Control in Three Mile Creek Watershed

PROJECT NUMBER

AL-36

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$294,000.00
FY 2009: \$0.00
FY 2010: \$294,000.00
Location: Three Mile Creek Watershed, City of Mobile, Alabama
Latitude: 30° 42' 20.41"N
Longitude: 88° 09' 20.10"W
Duration: Two Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The goal of this project is to treat the non-native Island apple snail (*Pomacea insularum*), an invasive aquatic nuisance species found in Three Mile Creek watershed, Mobile County.

SUMMARY OF PROJECT

The Alabama Department of Conservation and Natural Resources, Wildlife and Freshwater Fisheries Division (WFFD) and the United States Fish and Wildlife Service (USFWS) initiated a cooperative pilot project in the of Fall 2009 to control Island apple snails (*Pomacea insularum*), in the Three Mile Creek Watershed in Mobile County. Island apple snails are originally from South America and biologists think they were introduced from a home aquarium. These invasive snails have quickly infested Langan Municipal Park Lake (LMP) and Three Mile Creek in Mobile County. The introduction of Island apple snails is of great concern to biologists as Three Mile Creek drains into the Mobile River. Tides and river currents could move the Island apple snails into the Mobile-Tensaw Delta and Mobile Bay. If established, widespread habitat degradation and competition with native species will likely occur and continued expansion of Island apple snail populations will adversely affect habitat and aquatic wildlife in the coastal area. Management activities to date have included emergent vegetation control (kill egg-laying habitat), chemical treatments (copper sulfate), and physical removal of egg masses and adults.

This two-year project will treat the areas infested by the Island apple snail in the Three Mile Creek Watershed. The Alabama Wildlife and Freshwater Fisheries Division will contract with a certified pesticide applicator for both terrestrial and aquatic environments. Project costs include general supplies and tools; chemicals such as granular copper sulfate, topical non-specific herbicides (e.g. imazapyr and glyphosate) and surfactants; vehicle and boat fuel-use/maintenance, and travel costs.

AUTHORIZED USE

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 meets Authorized Use #1 because it removes invasive species from an urban watershed in Mobile County in an effort to restore coastal areas. Removal of the Island apple snail will benefit the natural coastal environment by avoiding widespread habitat degradation in the Mobile-Tensaw Delta.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project has many partners. The US Fish and Wildlife Service provided \$8,000.00 for herbicide application in 2009 and in 2010 provided \$30,000.00 for herbicide. Further the USFWS provided in-kind contributions of manpower, trucks, and boats. Local donations from Alabama Coastal Land Trust, Alabama Wildlife Federation, and Mobile County Wildlife Conservation Association were contributed in 2009 (\$11,000 in herbicides). Further, this project generated public volunteer assistance as 250 hours were volunteered in 2009.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Administration of Coastal Impact Assistance Program

PROJECT NUMBER

AL-02-A

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$1,000,000
FY 2009: \$341,811.86
FY 2010: \$658,188.14

Location: The principal CIAP staff work at Five Rivers, 31115 Five Rivers Blvd, Spanish Fort, Alabama
Latitude: 30° 22' 28.17"N
Longitude: 87° 55' 44.33"W
Duration: Four Years

GOAL

The goal of this project is to manage the State of Alabama CIAP in an efficient, cost-effective, and organized manner in order to meet the program requirements.

OBJECTIVE

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

SUMMARY OF PROJECT

This project will provide funding for administration of the State of Alabama CIAP. Project costs include personnel, fringe, travel, supplies, equipment, contractual costs, and indirect costs.

AUTHORIZED USE

This project meets the criteria set forth in Authorized Use #3, planning assistance and the administrative costs associated with complying with CIAP.

JUSTIFICATION

This project meets Authorized Use #3 because administrative costs meet the definition of the Authorized Use.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will utilize State of Alabama CIAP funding only.

Baldwin County Tier One Project Lists

Project Number	Project Title	Project Cost	Page Number
BC-01-A	Wetland and Waterway Protection	\$ 3,246,092.98	65
BC-12	Acquisition of Live Oak Landing	\$ 2,000,000.00	77
BC-13	Raymond L. Harris Nature Preserve	\$ 250,000.00	83
BC-14	Stream Restoration for Tributary to D'Olive Creek	\$ 250,000.00	89
BC-15	Dauphin Island Sea Lab Habitat Restoration	\$ 200,000.00	95
BC-03-A	Administration of the Coastal Impact Assistance Program	\$ 200,000.00	97
Total		\$ 6,146,092.98	

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Wetland and Waterway Protection

PROJECT NUMBER

BC-01-A

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Baldwin County, Alabama
Duration: Two Years
Estimated Cost: \$3,246,092.98
 \$988,971.34 FY 2009
 \$2,257,121.64 FY 2010

GOAL

The goal of this initiative is the protection of coastal areas, including wetlands, by reducing the amount of material that leaves the roadbeds.

OBJECTIVE

The objective is to provide roadway stabilization through paving and drainage stabilization to approximately 17 miles of roadway. The paving and ditch stabilization of these dirt roads will reduce the amount of sediment in the surrounding wetlands and waterways.

This project will be a continuation of BC-01 Wetland and Waterway Protection (Grant Award Number M09AF16105).

Baldwin County has approximately 300,000 acres of wetlands within the County. Baldwin County has approximately 300 miles of dirt roads that are controlled and maintained by the Baldwin County Highway Department. Many of these dirt roads cross these wetland areas. The Highway Department performs regular maintenance on these roads to include placement of sand and clay material, road grading, shoulder work, and maintenance of drainage ditches. Even with proper maintenance, these dirt roads still have a detrimental impact and contribute sediment to the wetlands on surrounding waters. This initiative will provide for the paving and stabilization of portions of environmentally sensitive dirt roads where impacts are occurring. The Baldwin County Highway Department has identified roads throughout the County which are having a detrimental effect on the wetlands and waterways surrounding them.

The goal of this initiative is the protection of coastal areas, including wetlands, by reducing the amount of material that leaves the roadbeds. When the sand and clay material is washed from the roadbed into the wetlands serious environmental impacts can occur. Sedimentation impacts to wetland ecosystems include increased turbidity that reduces the depth of the photic zone and increases sediment fallout which may cover primary producers and invertebrates. Excessive sediment input thus potentially alters aquatic food webs as well as basic wetland functions related to water quality improvement, nutrient cycling, and other biogenic processes that transform and impound pollutants. Moreover, basins totally filled with sediment provide no natural wetland functions. In addition to wetland degradation, sedimentation is identified as the second largest contributor to pollution in rivers and streams in Alabama (EPA National Assessment Database). Sedimentation can severely impact coastal ecosystems by smothering bottom-dwelling fish, animals and aquatic plants. This can lead to a disruption in the food chain, impairment of in-stream cover, increase of water temperature, etc.

The Highway Department applies approximately 650 cubic yards of material to each mile of dirt road in the County each year. This is equal to 26 dump truck loads per mile. This is indicative of the amount of sediment that is being washed into the wetlands and waterways because the roads are not paved. The objective is to provide roadway stabilization through paving and drainage stabilization to approximately 17 miles of roadway. Without paving and drainage improvements to provide permanent stabilization on these roads, sediment will continue to erode into these wetlands, creeks, and rivers.

Staff from the Highway Department have identified dirt roadways maintained by the County that have the greatest need for paving based on their proximity to wetlands and waterways and the amount of maintenance needed. Staff will continue to review and update the status of the dirt roadways and will make a final decision on the most critical once funding is approved. Some of the highest priority roadways are listed below along with criteria that placed them in this category. This is not a phased approach for study and then construction.

Road Name	Miles to be Paved	Latitude	Longitude
D'Olive Road	1.6 miles	87° 57' 51.18" W	30° 42' 51.873" N
Ewing Farm Road	0.5 miles	87° 37' 9.7" W	31° 4' 47.6" N

Kilcrease Road	2.84 miles	87° 49' 55.67" W	30° 54' 42.51" N
Linhholm Road	2.1 miles	87° 35' 33.48" W	30° 38' 35.81" N
Goat Cooper Road N	0.84 miles	87° 35' 34.74" W	30° 38' 7.68" N
Goat Cooper Road	1.38 miles	87° 35' 25.72" W	30° 37' 39.18" N
Burbon Lane	0.35 miles	87° 35' 23.64" W	30° 38' 46.18" N
Griggers Road	1.0 mile	87° 35' 28.88" W	30° 40' 32.33" N
Archie Road	1.2 miles	87° 31' 19.36" W	30° 23' 6.34" N
John Bloch Road	1.3 miles	87° 31' 50.09" W	30° 22' 42.28" N
Hagendorfer Road	1.75 miles	87° 29' 43.72" W	30° 24' 0.39" N
Sherman Road	1.0 mile	87° 45' 33.43" W	30° 21' 48.25" N
County Road 26	1.0 mile	87° 33' 26.61" W	30° 23' 32.58" N

D'Olive Road

- Adjacent to Bay Minette Creek
- Has wetlands on both sides of the road
- Large amount of red clay are washed into the wetlands and creek during heavy rains.

Ewing Farm Road

- Runoff enters the Perdido River
- Traverses across wetland/hydric soils.

Kilcrease Road

- Adjacent to the Mobile River Delta
- Road has several hills and valleys that contribute to erosion of silt and clay into the wetlands
- Has wetlands and hydric soils on both sides

Linhholm Road

- This road crosses Eight Mile Creek and is adjacent to Styx River Road
- Tons of sand, silt, and clay are washed into these streams due to unstabilized dirt road bed.

Goat Cooper Road North

- This road crosses Eight Mile Creek and is adjacent to Styx River
- This road is surrounded by wetlands on both sides
- Large amounts of silt and red clay are washed into the stream and wetlands due to heavy rains.

Goat Cooper Road

- The entire length of this road is adjacent to the Styx River
- The road has wetlands and hydric soils on both sides.
- Tons of silt and red clay are washed into Styx River every year.

Burbon Lane

- Eight Mile Creek is adjacent to this road in its entirety
- Tons of sand, silt, and clay are washed into these streams due to unstabilized dirt road bed.

Griggers Road

- This road crosses tributaries of Eight Mile Creek
- Road traverses wetlands near Eight Mile Creek
- Large amount of red clay are washed into the wetlands and creek during heavy rains.

Archie Road

- Runoff from this road travels into Palmetto Creek
- This road crosses two areas of wetlands/hydric soils
- Tons of silt and red clay are washed into Palmetto Creek every year.

John Bloch Road

- Runoff from this road travels into Palmetto Creek
- This road crosses two areas of wetlands/hydric soils
- Tons of sand, silt, and clay are washed into this stream due to unstabilized dirt road bed.

Hagendorfer Road

- This runoff travels into the Soldier Creek water Basin.
- This road crosses two areas of wetlands/hydric soils
- Road has a valley that contributes to erosion of silt and clay into Soldier Creek

Sherman Road

- Road Crosses Weeks Branch via a bridge
- Traverses across a wetland/hydric soil area
- The topography of this road contributes to the erosion of the soils into Weeks Branch

CR 26

- This road is at the head of Hammock Creek
- This road crosses a long stretch of wetlands
- Large amounts of red clay are washed into the wetlands and creek during heavy rains.

AUTHORIZED USE

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 Wetland and Waterway Protection initiative meets Authorized Use #1 because it provides for the protection to coastal waters and wetlands by reducing erosion along dirt roads. This erosion causes sediment to enter the streams and creeks causing detrimental effects to wetland habitat and species. An example is the Atlantic White Cedar, a nationally protected tree. These trees have a limited coastal habitat that is increasingly threatened by development and sedimentation.

Sedimentation impacts to wetland ecosystems include increased turbidity that reduces the depth of the photic zone and increases sediment fallout which may cover primary producers and invertebrates. Excessive sediment input thus potentially alters aquatic food webs as well as basic wetland functions

related to water quality improvement, nutrient cycling, and other biogenic processes that transform and impound pollutants. Moreover, basins totally filled with sediment provide no natural wetland functions. In addition to wetland degradation, sedimentation is identified as the second largest contributor to pollution in rivers and streams in Alabama (EPA National Assessment Database). Sedimentation can severely impact coastal ecosystems by smothering bottom-dwelling fish, animals and aquatic plants. This can lead to a disruption in the food chain, impairment of in-stream cover, increase of water temperature, etc.

The paving and ditch stabilization of these dirt roads will reduce the amount of sediment in the surrounding wetlands and waterways.

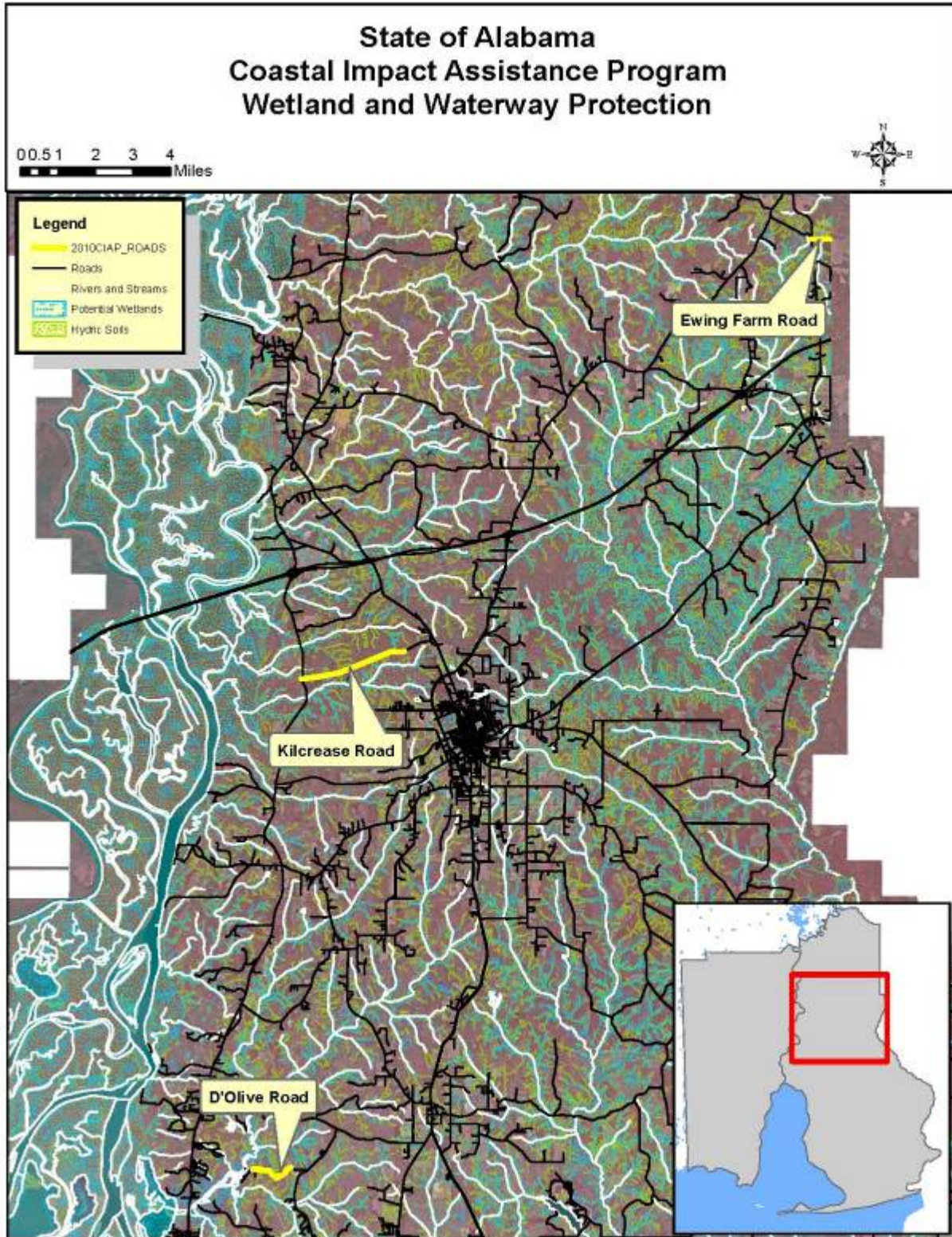
PARTNERING

There are no federal, non-federal or CIAP partners for this project. The Baldwin County Highway Department will provide equipment and labor to implement this project.

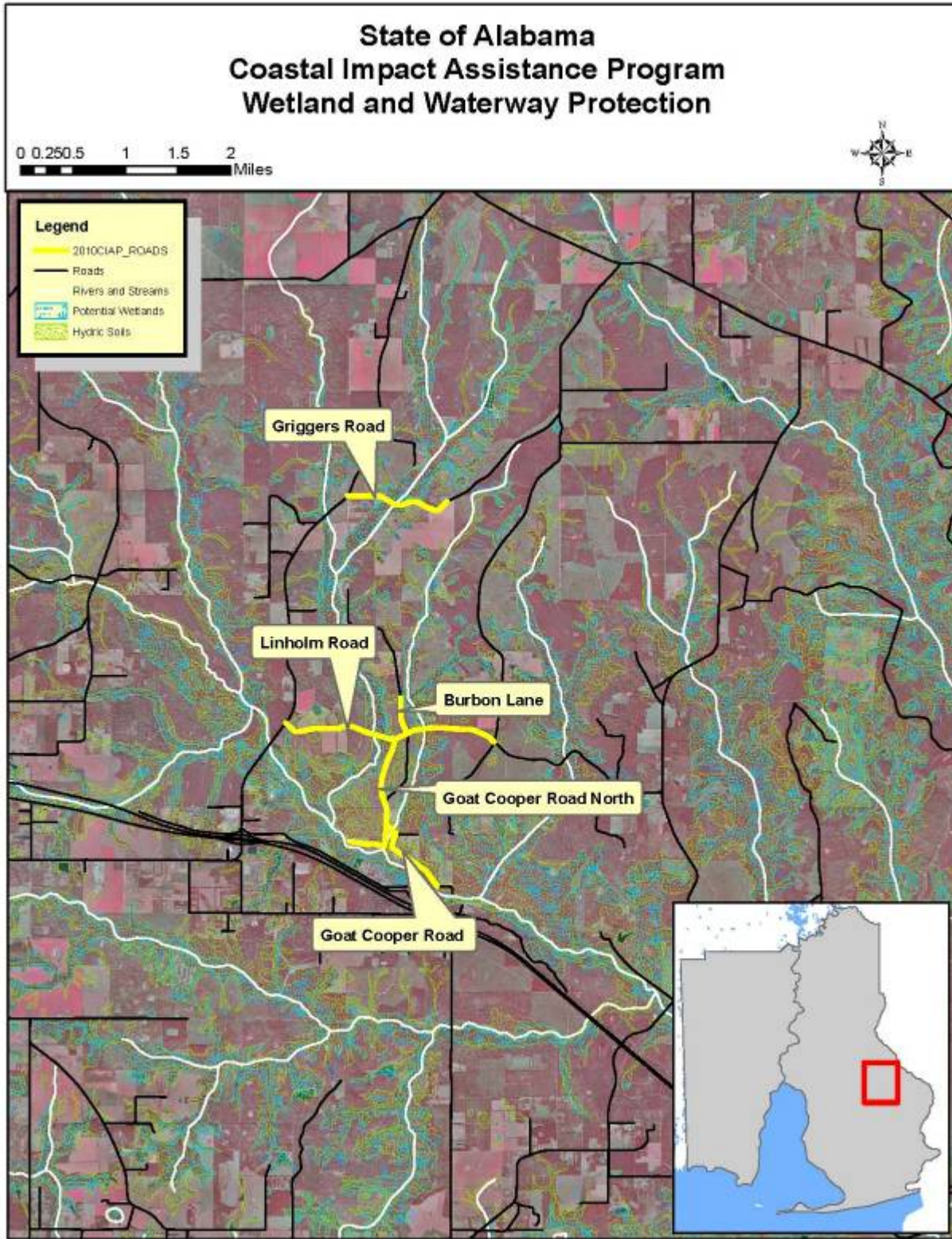
COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

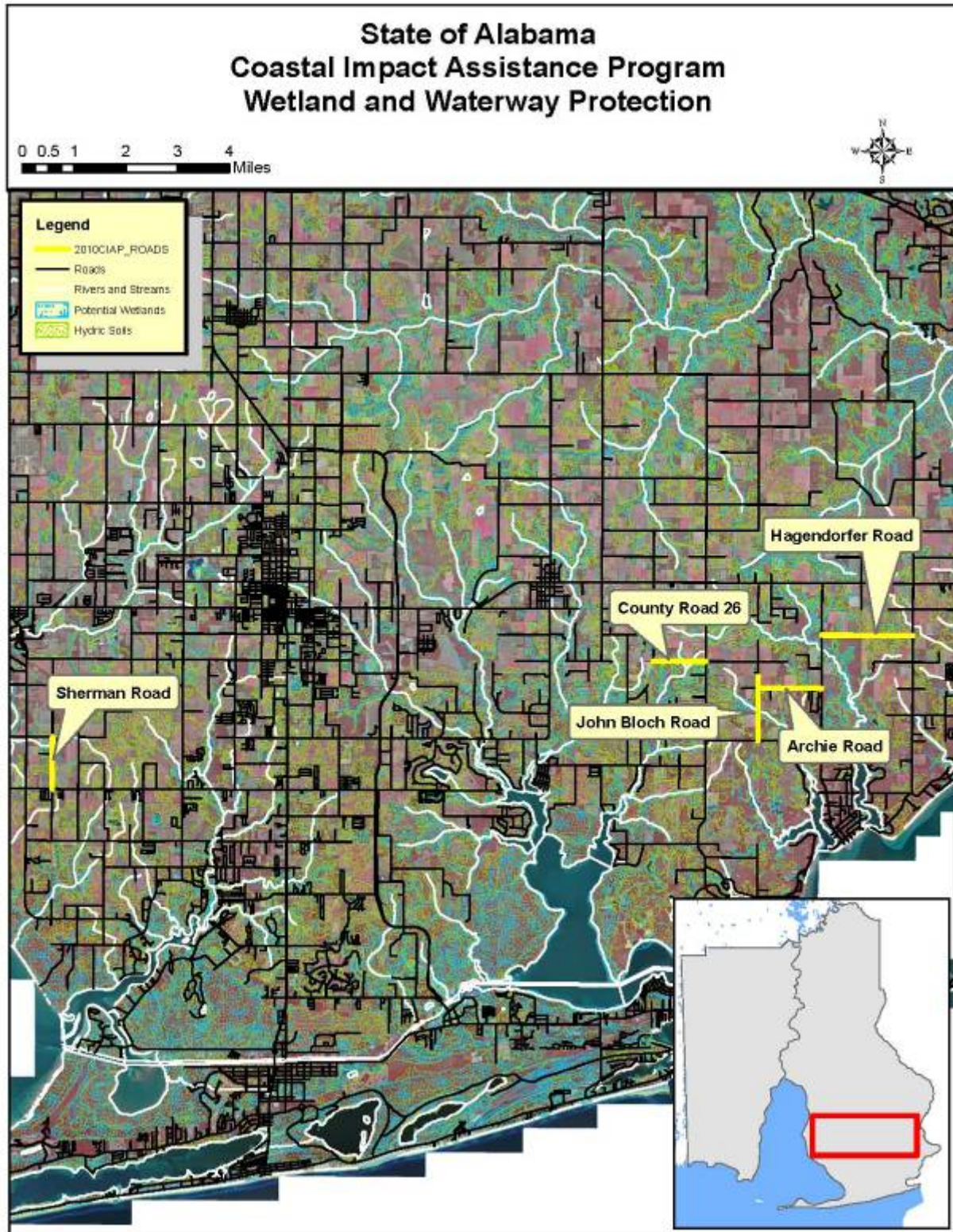
Wetland and Waterway Protection Map 1



Wetland and Waterway Protection Map 2



Wetland and Waterway Protection Map 3



Wetland and Waterway Protection Photography



D'Olive Road



Kilcrease Road

Wetland and Waterway Protection Photography (cont...)



Goat Cooper Road North



Burbon Lane

Wetland and Waterway Protection Photography (cont...)



Griggers Road



Archie Road

Wetland and Waterway Protection Photography (cont...)



Hagendorfer Road



County Road 26

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Frank Burt, Chairman, Baldwin County Commission
312 Courthouse Square, Suite 12
Bay Minette, AL 36507
Phone: 251-937-0395
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PROJECT TITLE

Acquisition of Live Oak Landing

PROJECT NUMBER

BC-12

CONTACT INFORMATION

Recipient Contact

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Planning and Zoning Department
1100 Fairhope Ave
Fairhope, AL 36532
Phone: 251 990-4623 x7260
Fax: 251.990-4692
E-mail: dhart@baldwincountyal.gov

Application Contact

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312 Courthouse Square, Suite 15
Bay Minette, AL 36507
Phone: 251-580-1623
Fax: 251-580-2536
E-mail: aelliott@baldwincountyal.gov

Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$2,000,000 (FY 2009)
Location: Stockton, Alabama
Latitude: 30° 57' 28.96" N
Longitude: 87° 51' 30.42" W
Duration: One Year
Estimated Cost: \$2,000,000 (FY 2009)

GOAL

Using CIAP funding, Baldwin County will acquire land to conserve natural areas in coastal Alabama.

OBJECTIVE

This objective of this project is to purchase conservation land at Live Oak Landing, located adjacent to the Mobile Tensaw Delta in northern Baldwin County.

SUMMARY OF PROJECT

The Mobile-Tensaw Delta is a 250,000 acre expanse of coastal wetlands formed by convergence of Alabama, Tombigbee and Tensaw Rivers from northern Mobile and Baldwin County to the mouth of Mobile Bay. Since the 1990's, the State of Alabama has purchased tens of thousands of acres of this habitat using a variety of funding sources including the State of Alabama Forever Wild Program, U.S. Forest Legacy, National Coastal Wetlands Conservation Act, among others. This effort has conserved over 50,000 acres of cypress-tupelo and bottomland hardwood swamps, marshes, sand hills, and other habitats associated with this ecosystem.

This project is partnership between the State of Alabama (AL-25), Baldwin County (BC-12), and the Trust for Public Land to acquire a keystone parcel in the Mobile- Tensaw Delta. Live Oak Landing is a 578-acre tract, located directly north of Interstate 65 on the west side of the Tensaw River (see map). The tract consists of over 6,100 linear feet of river frontage and is ecologically diverse as it contains a wide variety of plant and animal species. The property consists of high quality mesic hammock, a bald cypress strand along the Tensaw, and interior wetlands. The tract borders county-owned conservation property to the south and provides low impact access to thousands of acres of conservation property in the Mobile-Tensaw Delta. Last, conservation of this tract will protect cultural resources as archaeologists have discovered Native American Indian mounds on the site.

This project will purchase conservation land at Live Oak Landing. A yellow-book appraisal will be acquired for the tract prior to purchase. The deed will be restricted according to CIAP program requirements. The grant period is estimated to be one year.

- **AUTHORIZED USE**
- 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 meets Authorized Use #1 because it will acquire land for conservation within the coastal area of Alabama. All improvements to the land will be made in accordance with CIAP requirements. CIAP funds will be used for land acquisition only.

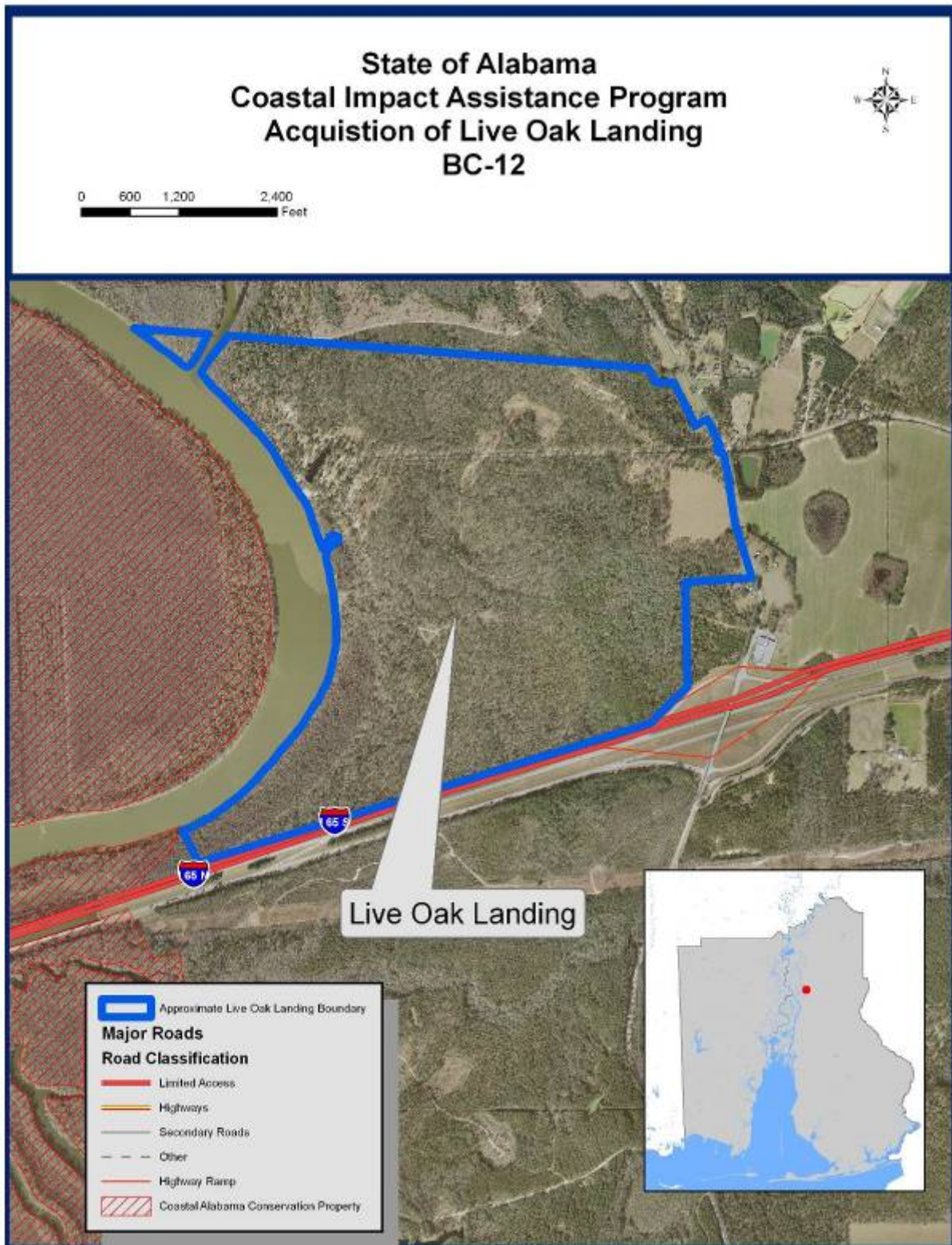
COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

Partners for this project include the Alabama DCNR, who is a CIAP recipient and the Trust for Public Land. The title of the State of Alabama's project is Acquisition of Live Oak Landing (AL-25).

Live Oak Landing Map 1



Live Oak Landing Photography



Live Oak Landing Photography (cont...)



**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Raymond L. Harris Nature Preserve

PROJECT NUMBER

BC-13

CONTACT INFORMATION

Recipient Contact

DJ Hart
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1100 Fairhope Ave
Fairhope, AL 36532
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Application Contact

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E-mail: aelliott@baldwincountyal.gov

Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Fairhope, Alabama
Latitude: 30° 31' 46.07" N
Longitude: 87° 48' 23.36" W
Duration: Two Years
Estimated Cost: \$250,000 (FY 2010)

GOAL

The goal of this project is to raise environmental awareness about sensitive habitats through education. The Baldwin County Commission plans to educate citizens by providing nature trails and educational

signage that points out the local habitat, wildlife, and plant species at the Raymond L. Harris Nature Preserve. The preserve is a thirty acre parcel of land located on the western bank of Fish River.

OBJECTIVE

The objective of this project is to benefit natural coastal resources and raise public environmental awareness by facilitating natural resource based educational opportunities through nature trails and signage.

SUMMARY OF PROJECT

This project would involve working with a consultant to design an eco-park that provides education to the public about the importance of natural coastal resources. The design elements incorporated would provide information and demonstrate methods to employ to limit our impact on sensitive habitat areas. A plant inventory would be conducted by a consultant to identify the different plant species on the park site. Appropriate signage would be developed to highlight the plant species and provide information about eco-systems present on the site. The eco-park design plan would be implemented and could include nature trails, educational signage, picnic areas and other low-impact uses.

This project will be phased. Phase 1 would involve hiring a consultant to design an eco-park plan for the Raymond L. Harris Nature Preserve. Phase 1 would also involve hiring a consultant to perform a plant inventory at the preserve. Phase II would bring about implementation of the eco-park plan.

AUTHORIZED USE

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 Raymond L. Harris Nature Preserve offers conservation and protection to approximately thirty acres of sensitive river front property. A plant inventory will allow the county to better protect and preserve the land by providing the county with knowledge of the existence of sensitive species on the property. The preserve will provide environmental education to Baldwin County citizens through walking trails with educational signage. The signs will point out the sensitive habitats located on the property including wetland and riverine areas, and the important role these fragile areas play in the ecosystem. Signs will also point out unique plant species located on the preserve.

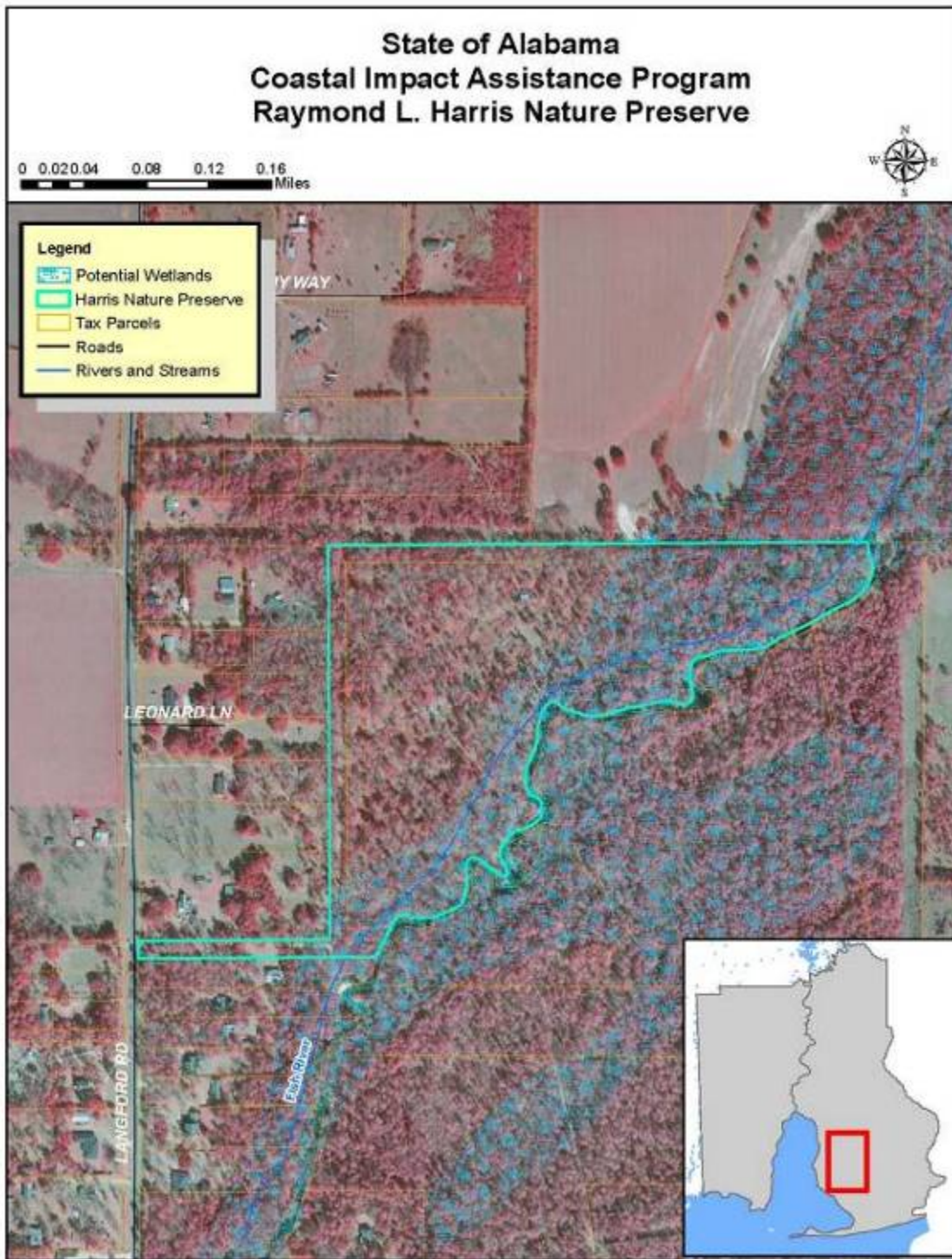
COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

There are no Federal or non-Federal partners which will provide funding support or resources to the project.

Raymond L. Harris Nature Preserve Map 1



Raymond L. Harris Nature Preserve Photography



Raymond L. Harris Nature Preserve Photography (cont...)



**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Stream Restoration for Tributary to D'Olive Creek

PROJECT NUMBER

BC-14

CONTACT INFORMATION

Recipient Contact

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Sub-grantee Contact

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E-mail: agcampbell@bellsouth.net

PROJECT SUMMARY

Location: Daphne, Alabama
Latitude: 30° 38' 56" N
Longitude: 87° 51' 59.3" W
Duration: Two Years

Estimated Cost: \$250,000 (FY 2010)

GOAL

The goal of this project is to provide restoration of coastal habitat in the D'Olive Watershed by reducing the sediment loads resulting from accelerated erosion along an unnamed tributary of the D'Olive Creek Watershed.

OBJECTIVE

The objective of this project is the restoration of approximately eight hundred (800) linear feet of an unnamed tributary of D'Olive Creek.

The important features to stream restoration include stream width, depth, sinuosity, meander geometry, and slope. These factors are essential components to any stream restoration project. Designing in accordance with the natural tendencies of rivers identifies the cause of instability and the potential or geomorphological character for a stable stream.

Being successful at stream restoration is principally based on applied fluvial geomorphology and natural channel design techniques. This incorporates quantitative data collections along a stream section describing the change in features laterally, longitudinally and vertically.

The steps to restoring a stream that is self-maintaining and provides channel stability and habitat incorporate the following:

- 1) Accessing the watershed to determine the stream condition and evolutionary change;
- 2) Identifying an appropriate stream type for restoration based on a stream classification system associated with complex river channel form;
- 3) Producing a reproduction of a reference reach that represents a stable river section for design criteria similar to its channel form, channel materials, discharge, and fish habitat (i.e., riffle, run and pool);
- 4) Transposing the new channel design over the existing conditions and constructing the project.

The approach is to create a new stream channel based on a natural stable stream condition and replicate its physical and biological function. This stream type is typically referred to as a reference reach, or a blueprint reach, that can be utilized to establish acceptable parameters for a stable channel. This method is the recommended practice for restoring the study reach of Un-named Tributary of D'Olive Creek. Approximately eight hundred (800) linear feet of perennial stream channel will be constructed to match the 1.1 year return interval bank full discharge. Data collected from a stable section of the un-named Tributary of D'Olive Creek will be used for design parameters. Other data was obtained from regional curves and a reference site in Baldwin and Washington County, Alabama.

Using existing data, the stream reach in the Un-named Tributary of D'Olive Creek will be designed and constructed with the appropriate dimension, pattern, and profile. River structures such as cross veins, J-hooks, root wads, and step pools along with bioengineering techniques which includes live stakes, fascines, and live plantings will be used to accomplish the stream restoration.

This project would be sub-granted to the City of Daphne for implementation.

PROJECT LOCATION

The D'Olive Watershed is located in a rapidly developing area along the eastern shore of Mobile Bay. The entire D'Olive Watershed has been heavily urbanized with impervious surfaces at about twenty percent (20%) or more. Natural stream and wetland functions in the watershed have been altered by historic changes in watershed land uses, channel straightening and relocation, floodplain filling, wetland ditching, and storm water discharges. These effects have reduced floodplain connectivity and eliminated sheet-flow hydrology into adjacent wetlands. Many of the impacts along the streams in this watershed include altered aquatic habitat, storm water sediment deposition, hydrologic modification, and potentially degraded water quality.

In 2007, a study was undertaken by the Geological Survey of Alabama in partnership with the Alabama DCNR, SLD to assess the impact of land use changes in the D'Olive Creek, Tiawasse Creek, and Joe's Branch sub-watersheds of the D'Olive Watershed. This study determined more than two- to over 200-fold greater annual sediment loads in most of these streams when compared to natural geologic erosion rates (without human impact or alteration).

In 2009, a contract was awarded to Thompson Engineering to draft a Comprehensive Watershed Management Plan for the D'Olive, Tiawasse, and Joe's Branch watershed with a coalition of local stakeholders, the D'Olive Watershed Working Group, serving as an advisory board. One purpose of this Comprehensive Watershed Management Plan is to identify corrective measures to arrest accelerated erosion, reduce sediments loadings, devise strategies to restore water quality in the impaired streams (ADEM 303d listed) and mitigate the impact of continued urban growth in the watershed.

The alterations to D'Olive Creek have resulted in impairment that is in need of attention. Specific indications of impacts include channel incision and widening from head cutting, excessive storm water discharge, watershed build-out, minimized connectivity with riparian floodplain wetlands, and excessive sediment deposits from upstream sources. These impacts have been so great that the stream has been listed on the Alabama Department of Environmental Management (ADEM) 303d impaired streams list for siltation (sediment impacts).

Not only will this project achieve the goal of restoration of coastal habitat, the City is optimistic that the project will result in improved water quality in D'Olive Creek which discharges to Mobile Bay. This, ultimately, could result in the de-listing of the un-named tributary to D'Olive Creek from the ADEM's 303d list. That achievement, in itself, will improve the overall D'Olive Bay Coastal habitat.

Three areas that will be addressed during restoration efforts are: 1) channel incision impacting riffle-pool habitat availability and effecting channel geomorphology; 2) interrupted hydrologic connectivity with the floodplain, resulting in adjacent wetland isolation; and 3) tributary head cutting caused by downstream impacts and over-widening.

These restoration efforts will provide a stable stream that transports the water and sediment delivered by its watershed, improve the water quality and aquatic habitat of the stream, lake, bayous and estuaries, and improve the floodplain connectivity and function.

AUTHORIZED USE

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 City's restoration project will facilitate the conservation and protection of the existing coastal habitat from future sediment impacts from the eroding creek. The project will also create new habitat in and along the denuded inhabitable eroding coastal channel.

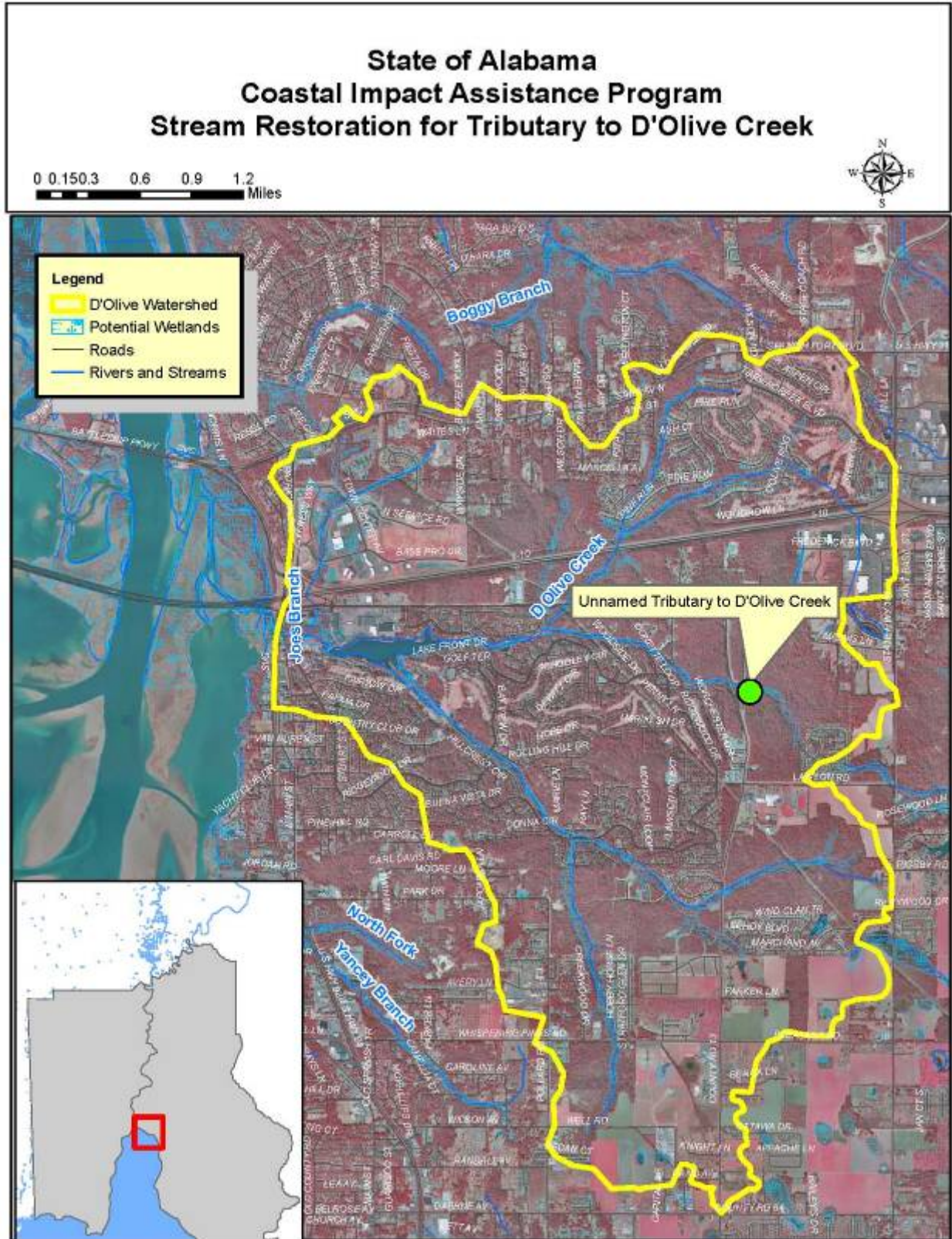
COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

There are no Federal or non-Federal partners which will provide funding support or resources to the project.

Stream Restoration for Tributary to D'Olive Creek Map 1



**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Frank Burt, Chairman, Baldwin County Commission
312 Courthouse Square, Suite 12
Bay Minette, AL 36507
Phone: 251-937-0395
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PROJECT TITLE

Dauphin Island Sea Lab Habitat Restoration

PROJECT NUMBER

BC-15

CONTACT INFORMATION

Recipient Contact

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Planning and Zoning Department
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Fairhope, AL 36532
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Application Contact

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Sub-grantee Contact

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Professor and Chief Scientist
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Fax: 251-861-7540
E-mail: kheck@disl.org

PROJECT SUMMARY

Location: Baldwin County, Alabama
Duration: Two Years
Estimated Cost: \$200,000 (FY 2010)

GOAL

The goal of this project is to provide restoration and protection to habitats in Baldwin County that are impacted and threatened by human activities.

OBJECTIVE

The objective of this project is to work with the Dauphin Island Sea Lab (DISL) to restore degraded habitats. Projects could include the restoration of submerged aquatic vegetation, marsh areas, or shoreline stabilization.

This project will be sub-granted to DISL for implementation.

As human population growth increases, so does its impact on the marine environment. Among the myriad effects resulting from increased utilization of coastal natural resources, direct human impacts have resulted in decreased abundance of many ecologically, commercially and recreationally important fisheries as well as dramatic loss and degradation of marine habitats. Recognition that the loss and/or degradation of complex marine habitats may be limiting the recovery of many marine species has led to increased efforts to conserve existing habitats, restore degraded habitats and create new habitats that function to fill critical roles in the life history of marine and estuarine fishes.

The DISL has designed a habitat enhancement and restoration program that will allow researchers to focus on a broad range of topics of fundamental importance to marine habitat restoration. The results of this program will provide data needed to improve decision making and coastal planning and to effectively manage our marine resources.

This will be a phased project. Phase 1 will allow DISL and County staff to determine potential restoration projects and project sites. Phase 2 would involve the implementation of the project. Potential projects could involve restoration of submerged aquatic vegetation or salt marshes. An additional possibility is a shoreline protection demonstration project. The County is currently working with DISL on a submerged aquatic vegetation project that could be expanded. The County also anticipates purchasing property in the near future that would provide an ideal location for salt marsh restoration and shoreline protection.

AUTHORIZED USE

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

These projects provide restoration and protection of sensitive habitats along the shorelines and in the waterways of Baldwin County.

COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

There are no Federal or non-Federal partners which will provide funding support or resources to the project.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Chairman, Baldwin County Commission
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Bay Minette, AL 36507
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E-mail: grants@baldwincountyal.gov

PROJECT TITLE

Administration of the Coastal Impact Assistance Program

PROJECT NUMBER

BC-03-A

CONTACT INFORMATION

Recipient Contact

DJ Hart
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Fairhope, AL 36532
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Application Contact

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Baldwin County Commission, Baldwin County, Alabama
312 Courthouse Square, Suite 15
Bay Minette, AL 36507
Phone: 251-580-1623
Fax: 251-580-2536
Email: aelliott@baldwincountyal.gov

Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Baldwin County, Alabama
Duration: Four Years
Estimated Cost: \$200,000
 \$100,000 FY 2009
 \$100,000 FY 2010

GOAL

The goal is to provide financial assistance to the Baldwin County Commission to manage and implement Baldwin County's CIAP.

OBJECTIVE

The objective is to utilize staff from various County departments to administer the CIAP program.

This project will be an amendment to the FY2007-2008 project titled Administration of the Coastal Impact Assistance Program. 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 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 program.

AUTHORIZED USE

This project meets the criteria set forth in Authorized Use #3: planning assistance and the administrative costs of complying with CIAP.

JUSTIFICATION

The Administration of the Coastal Impact Assistance Program initiative meets the definition of the Authorized Use.

COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

Partnering is not applicable to this project.

Mobile County Tier One Project Lists

Project Number	Project Title	Project Cost	Page Number
MC-01-A	Administration of the Coastal Impact Assistance Program	\$ 481,837.48	101
MC-08-A	Sensitive Habitat Restoration and Enhancement of County-owned Property	\$ 3,310,655.54	103
MC-09-A	Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$ 500,000.00	107
MC-10-A	North Mobile County Wastewater Facilities	\$ 1,300,000.00	111
MC-12-A	West Mobile County Conservation Property Acquisition	\$ 1,500,000.00	113
MC-14	Improved Stormwater Management Program	\$ 500,000.00	115
Total		\$ 7,592,493.02	

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Mobile County Commission
Merceria L. Ludgood, President
205 Government Street
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Fax: 251-574-9110
E-mail: mludgood@mobile-county.net

PROJECT TITLE

Administration of the Coastal Impact Assistance Program

PROJECT NUMBER

MC-01-A

CONTACT INFORMATION

Recipient Contact

Bill Melton, P.E., Environmental Services Director
Mobile County Public Works
Mobile County Commission
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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Mobile County, Alabama

Duration: Four Years

Estimated Cost current Plan Amendment (2009/2010):	\$481,837.48
Estimated Cost previously Approved Plan (2007/2008):	\$362,030.28
Total Estimated Cost:	\$843,867.76

GOAL

The goal of this project is to effectively and efficiently administer the Coastal Impact Assistance Program (CIAP).

OBJECTIVE

The objective of this project is to utilize both Mobile County Commission staff and contracted assistance to administer the CIAP program. The Mobile County Commission staff has attended CIAP workshops held by MMS aimed toward the development and administration of a CIAP. Administration will include attendance at grant management training workshops, development of the CIAP plan, training and education, and managing the CIAP program.

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.

PARTNERING

Partnering is not applicable to this project.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

This is not applicable to this project.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Mobile County Commission
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PROJECT TITLE

Sensitive Habitat Restoration and Enhancement of County-owned Property

PROJECT NUMBER

MC-08-A

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Unincorporated Mobile County

Duration: Four Years

Estimated Total Cost: \$5,721,256.17

Estimated Cost current Plan Amendment (2009/2010): \$3,310,655.54

FY 2007 \$1,925,000.00

FY 2008 \$ 485,600.63

FY 2009 \$2,325,000.00

FY 2010

\$ 985,655.54

GOAL

The goal of this project is to enhance or restore and protect sensitive habitats on county-owned property.

OBJECTIVE

The objective of this project is to improve county-owned properties by engaging in activities that will enhance the property's environmental attributes. The actions include restoration of stream corridors, enhancement of wetland areas, improvements to sensitive habitats with the removal of invasive plant species, planting of native trees, removal of damaged trees and vegetation, construction of maintenance access roads and controlled public access facilities, and shoreline restoration and protection.

Efforts to develop a scope of work to implement this project with the FY 07-08 CIAP budgeted amount have shown the need to increase funding in order to achieve the approved goals and objectives. The proposed FY 09-10 funding for this project will be integrated into the approach that calls for developing sub-projects focused on different county owned properties. The Mobile County Commission owns a number of properties containing sensitive habitats that would benefit from restoration and enhanced management. They include property on Laurendine Road (approximately 2000 acres with 2 streams and wetlands), Half Mile Road (approximately 52 acres with wetlands), 642 acres of property in the Big Creek and Escatawpa River watersheds purchased with CIAP funds, and shoreline property along the southern portion of Dauphin Island Parkway.

The goal of this project is to enhance, protect and/or restore sensitive habitats on county-owned property. The objective of this project is to increase the number of acres owned by the County of Mobile that serve to benefit the natural coastal environment including benefits to wildlife, native vegetation, and water quality. This project will be divided into sub-projects and separate grant applications submitted for each that provide specific details as to proposed activities for the property to be restored. The type of habitat to be restored or enhanced will govern which activities or management measures are implemented. At least, three miles of stream corridor restoration will be included in the Laurendine Road Property project and 1000 square yards of accumulated sediment will be removed. Intensive efforts to eradicate invasive trees and vegetation will be undertaken on the Laurendine tract and the West Mobile County properties. Other activities will include the removal of damaged trees and vegetation, restoration of stream corridor, construction of maintenance access roads and control burn fire breaks, and shoreline restoration and protection.

Additional activities that will be evaluated include repairs to a boat ramp, replacement of a storm destroyed pier, demolition of a structure, replacement of marsh grass, and improvements to a parking area. All activities are to be performed pursuant to the advice of a professional registered forester and a professional biologist with a background in coastal wetland restoration. The services of a professional registered forester will be retained to assist in management practices, and 300-400 acres of pine and cypress trees will be planted per the recommendation of the forester. Site preparation activities are included and will consist of both mechanical and chemical methods. The removal of debris from logging operations and soil conditioning will be performed to maximize growth. Forestry management services after trees are planted are not included.

Training for County personnel is included in the project to facilitate management of the county-owned properties without the use of outside assistance. Five county staff personnel will attend training, conferences, seminars, and workshops to improve education and expertise in stream restoration, wetland mitigation, floodplain management, natural disaster mitigation and preparedness and recovery, stormwater quality monitoring and management, and shoreline restoration and protection. This training

will be conducted over a period of four years and will include attending the Annual National Mitigation and Conservation Conference with a concentration on such courses as wetland mitigation & conservation, stream mitigation and restoration, The New Mitigation Rule Workshop, and seagrass mitigation. Staff will attend the National Hurricane Conference with a concentration on protection, recovery, and mitigation of publicly maintained properties including workshops on Debris Management, Mitigation Planning for Local Government, Recovery Public Assistance, the Annual Association of Floodplain Managers Conference, and other relevant courses, seminars, workshops, or conferences that are offered during this period. Although the names of all courses cannot be named at this time, the courses will be limited to the subjects mentioned in this project. Education for staff also includes courses designed for the protection and administration of floodplains including HEC-RAS and other hydraulic and hydrologic analysis of other flood prone areas.

This project will also include acquisition of equipment needed to implement and maintain project objectives. The equipment to be purchased will include two 50 hp or larger tractors with attachments, 99 hp compact track loader with rotary drum mulcher and attachments, one 6 X 6 low ground pressure, +700cc, fuel injected, dump bed all terrain vehicles, small equipment, herbicide, limestone, seed, and native vegetation. A storage building not to exceed 25 X 20 feet, 20 X 60 greenhouse, consulting services, and tree planting services will also be required.

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 wetlands.

JUSTIFICATION

This project is consistent with Authorized Use #1 as it will restore, protect, and enhance coastal areas including wetlands on County owned properties.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There will be no partnering with this project.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

With the enhancement and/or restoration of sensitive habitats Mobile County will provide the much needed conservation, protection, and management of our coastal natural resources. Indirect and direct benefits to the natural coastal environment include restoration of native shoreline vegetation, protection of shoreline property from coastal erosion, provision of controlled public access, restoration of wetland and stream bank impacts, advancement of environmental stewardship through staff training, protection of floodplain through technical and administrative program management.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Mobile County Commission
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PROJECT TITLE

Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama

PROJECT NUMBER

MC-09-A

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Mobile County, Alabama

Duration: Four Years

Estimated total cost: \$749,998.17

Estimated cost current Plan Amendment (2009/2010): \$500,000.00

MC-09-A

Total Project Cost \$749,998.17

FY 2007	\$152,000.00
FY 2008	\$ 97,998.17
FY 2009	\$250,000.00
FY 2010	\$250,000.00

GOAL

The goal of this project is to facilitate management and research of Alabama’s coastal environment through improved data collection systems, enhanced research infrastructure, and upgrades of research tools.

OBJECTIVE

The objective of this project is to purchase, install, and support the operation of a continuous and real-time weather, water level and water quality recording stations in Coastal Mobile County.

In an expanded facet of the ongoing project described below, the Mobile County Commission is working with the National Oceanic and Atmospheric Administration to mitigate flood risk and monitor sea level rise by establishing a water level measurement network that supports timely decision making for the protection of lives, property, evacuation planning, and wetland restoration planning efforts. This network will include monitoring stations at five locations in Mobile County (Brooks Park on Chickasaw Creek, Dog River Bridge, East Fowl River Bridge, West Fowl River Bridge, and Bayou La Batre Bridge). These stations will collect real time water level data that will be made available to the public on the Mobile Bay Storm Surge Monitoring Network website. The proposed project calls for the Mobile County Commission to assume operational responsibilities for the network in January of 2012. CIAP funding for these responsibilities is requested for four years, 2012-2016.

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. The collection of 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 Programs, 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 download 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 to complete an east-west transect in the coastal area of Alabama (AL-21, BC-9 and MC-9). This project will construct data collection devices and support the implementation and operation of the network for two years. The costs associated with the implementation of each monitor include salaries (data manager, technician, and project manager), boat and vehicle expenses, and other expendables. The State of Alabama will contribute CIAP funding to purchase, install and implement a monitor in Bon Secour Bay, partnering with funding from NOAA. Baldwin County will fund the purchase, install and implement a monitor in Perdido Bay, and the Mobile County will purchase, install, and implement a monitor in the

Mississippi Sound/Portersville Area. The State of Alabama, Baldwin County, and Mobile County will each submit a separate grant application for their respective project within this grant.

The data collected from the Continuous and Real-time Recording Station of Meteorological and Hydrological Parameters have been used and will be used for a numerous coastal conservation, protection and restoration projects. For example, the Dauphin Island Sea Lab's technical support group has been maintaining, a real-time water quality monitoring station at the Middle Bay Light in Mobile Bay, Alabama since fall 2004. At the Middle Bay Light station, current conditions have been served at a website (cast-net.disl.org/monitoringdata) for meteorological (air temperature, relative humidity, wind speed and direction, barometric pressure, precipitation, and photosynthetically active radiation) and hydrographic (water level, temperature, salinity, and dissolved oxygen) parameters. The hydrographic parameters, in particular, are collected by a vertical profiler, which gives hourly vertical profiles at a 0.5 m interval.

The University of South Alabama, Department of Marine Resources has completed extensive research using the data from the Middle Bay Lighthouse station. This research has recently developed a hydrodynamic model that simulates physical transport processes in Mobile Bay. The dredged ship channel serves as a conduit through which salty seawater intrudes upriver, thereby significantly affecting horizontal salinity gradient (baroclinic forcing). The data from the Middle Bay Light station are invaluable in detecting and characterizing the intrusion events. We have observed the presence of strong vertical stratification along the ship channel, which can be destratified during the times of high energy events such as strong winds and high freshwater discharges. Stratification/destratification plays an important role in the formation of hypoxic bottom water in the ship channel. It also affects the water in the nearby shallow areas where strong stratification and hypoxic bottom waters have also been observed during summer. Therefore, vertical profiles of density (salinity and temperature) and dissolved oxygen recorded by a vertical profiler at the Middle Bay Light are invaluable in studying temporal and spatial patterns and variations of stratification and bottom hypoxia.

Other research included the study of the development of a larval transport model for Eastern Oyster, funded by Alabama Oyster Reef Restoration Program. One key component of this project is to study the characteristics of larval transport and spat distribution in the lower Mobile Bay and eastern Mississippi Sound using the model under various environmental conditions. Characterization of various environmental conditions (i.e. design of scenario runs from the standpoint of model) is critical, which has to be based on the data of meteorological (e.g. wind) and hydrographic (e.g. salinity) parameters. The data from the Middle Bay Light will certainly be used for this purpose.

An additional application of the data included the collection of data over the long term which can be used for designating water use criteria and providing baseline readings for 303(d) improvements. Specifically, Mobile Bay (AL/03160205-010-01-1998) Fish and Wildlife, Shellfish Harvesting and Swimming Waters have been 303(d) listed for low dissolved oxygen as a result of urban runoff and storm sewers. Currently, there is a limited number of water monitoring stations in Mobile Bay which provide data suitable for designated water use criteria.

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 meets Authorized Use #1 because it will obtain data necessary for scientific research and investigation of coastal areas. These data are necessary in conserving, protecting, and restoring complex coastal ecosystems

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will utilize 100% CIAP funding. The State of Alabama, Baldwin County, and Mobile County (AL-21, BC-9, and MC-09) will partner to create an east-west transect of continuous and real-time weather and water quality recording stations along southern coastal Alabama. Operation and maintenance of the Mobile County Storm Surge Monitoring Network will utilize 100% CIAP funding.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

By creating a real time data retrieval system, students, teachers, experts, weather stations, and monitors are able to access the data collected and report all changes in wind, barometric pressure, temperature/humidity, water quality, salinity, and soil conditions. Coordinated and comprehensive data can be utilized to predict and analyze changes in the local area's weather patterns and will aid in assessing the best course of action to protect environmentally sensitive habitats from the harmful effects of these changes and/or severe weather events. Restoration planning efforts will benefit from having easily accessible water level data to monitor relative sea level rise and to model hydrodynamic conditions near project areas.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Mobile County Commission
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PROJECT TITLE

North Mobile County Wastewater Facilities

PROJECT NUMBER

MC-10-A

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Mobile County, Alabama

Duration: Three Years

Estimated Cost current Plan Amendment (2009/2010): \$1,300,000.00

Total Project Cost	\$2,800,000.00
FY 2007	\$ 650,000.00
FY 2008	\$ 850,000.00
FY 2009	\$ 0.00

FY 2010 \$1,300,000.00

GOAL

The goal of this project is to reduce the number of on-site sewage disposal systems and therefore reduce pathogens to local waters.

OBJECTIVE

The objective of the project is to remove 200 homes from use of on-site sewage disposal by facilitating the connection of residential on-site sewage disposal systems to either a public or privately operated conveyance system along the I-65/Highway 43 corridor.

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. Small portions of this area are served by publicly owned wastewater treatment facilities while most of the areas utilize on-site disposal of wastewater through septic tanks, many of which are failing due to age, design, and lack of adequate maintenance. The goal of this project is to reduce the number of residential on-site sewage disposal systems and therefore reduce pathogens to local waters. The objective of the project is to engage public/private partnerships and facilitate connection of on-site systems to conveyance facilities. This project will take place in two phases. The first phase will identify the areas where septic systems can be connected to a wastewater conveyance system and produce a design for a collection system. The second phase will be the construction of the collection system. Maintenance costs and other subsequent costs after connection are not included in this project. The costs of the wastewater treatment plant, conveyance pump stations, and their appurtenances will be included in this project. Once the collection system is constructed, the operation and maintenance responsibility of the system is placed upon the wastewater treatment plant owner. On-site disposal systems may be connected to the collection system and the costs associated with this action funded by this project.

AUTHORIZED USES

This project meets the criteria set forth in Authorized Use # 1, conservation, protection, or restoration of coastal areas, including wetlands.

JUSTIFICATION

This project is consistent with Authorized Use # 1 because it serves toward the protection of groundwater and the coastal waters from pathogenic contaminants.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There will be no financial partnering with this project.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

Sanitary sewer infrastructure in this area is an integral component of protecting local waterways from pathogens associated with failing septic systems. Locally heavy rainfall and close proximity to vital commercial and recreational waterways underscore the importance of properly maintained and operated treatment systems. Reducing the area's dependence on septic systems is expected to greatly reduce the introduction of pathogens to these waterways, which will decrease the frequency and impact of algae blooms due to nutrient overload; it will also reduce the number of marine life and human health warnings associated with wastewater contamination.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

West Mobile County Conservation Property Acquisition

PROJECT NUMBER

MC-12-A

CONTACT INFORMATION

Recipient Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Mobile County, Alabama

Duration: Four Years

Estimated Cost current Plan Amendment (2009/2010): \$1,500,000.00

Total Project Cost	\$3,750,000.00
FY 2007	\$ 825,000.00
FY 2008	\$1,425,000.00
FY 2009	\$1,000,000.00

FY 2010 \$ 500,000.00

GOAL

The goal of this project is to acquire, for conservation purposes, environmentally sensitive areas in West Mobile County.

OBJECTIVE

The objective of this project is to purchase tracts of coastal areas and manage the tracts for conservation purposes.

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 Mobile County Commission successfully purchased 642 acres of environmentally sensitive tracts of land with FY 07-08 CIAP funding and proposes to purchase additional tracts of coastal areas (approximately 475 acres) with FY 09-10 CIAP funding. Management plans will guide the conservation and restoration of all tracts of land purchased for this project. Elements of this project include utilizing CIAP funding for MAI certified, “Yellow Book” appraisals, Phase I Environmental Site Assessments, boundary surveys, purchases, closings, and acknowledgement signs. This project will be completed in three phases. The three phases are as follows: Phase I consists of identifying properties to purchase; Phase II consists of the purchase of the identified properties including appraisals, surveys, environmental assessments, and closing costs (all of which will accompany the grant application); Phase III will develop and implement conservation management plans for the properties purchased. Deed restrictions using the language provided by the BOERME will be placed on these parcels. Market conditions prevent the identification of specific parcels at this time.

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 because it will result in the acquisition of environmentally sensitive acreage for conservation purposes.

JUSTIFICATION

This project will acquire land for conservation within the coastal area of Alabama.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There will be no partnering with this project.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

Natural lands that once retained and absorbed stormwater and provided animal habitat are being lost to development, thereby increasing the risk of future flooding and other adverse impacts. With the acquisition and conservation of these lands, Mobile County will provide the much needed conservation, protection, and management of our coastal natural resources.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Improved Stormwater Management Program

PROJECT NUMBER

MC-14

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Mobile County, Alabama
Duration: Four Years
Estimated Cost: \$500,000.00

MC-14	
Total Project Cost	\$500,000.00
FY 2009	\$ 0.00

FY 2010

\$500,000.00

GOAL

The goal of the Improved Stormwater Management Program project is to provide quantitative assessments and materials to support implementation of the Mobile County Stormwater Management Program.

OBJECTIVE

The objective of the project is to implement a stormwater management strategy that provides data on pollutant loadings and water quality trends, and implements selected management measures designed to improve water quality.

Stormwater monitoring is a critical component of a watershed based approach to managing receiving waters. Monitoring data allows the identification of trends in water quality over time. An understanding of status and trends is needed to identify priorities, develop protection and restoration strategies, and implement management measures. An assessment and monitoring program along with targeted education and outreach is important for effective watershed management.

Erosion and sedimentation as well as the improper management of solid waste and general litter are the most significant stormwater related problems in Mobile County. The accumulation of road side litter and the improper disposal of solid waste to roadsides, drainages, and water bodies remains a significant water quality and usage issue.

Storm event sampling and the resulting pollutant loading determinations are expected to provide valuable information regarding pollutant types and potential impacts on water quality and effectiveness of management practices. Additionally, the data will be used to develop and distribute stormwater management educational materials for the public. The educational materials will seek to inform the citizenry as to how stormwater runoff affects water quality and how they can help prevent pollutants from entering and damaging our waterways. The Mobile County stormwater monitoring program will utilize stormwater sampling protocol in general conformance with EPA 833-B-92-001 "EPA NPDES Storm Water Sampling Guidance Document" (July 1992). Five watershed based stations for storm event and pollutant loading samples will serve as monitoring locations. The proposed project includes purchase of five water quality monitoring stations, obtaining sampling results and analyses, and funding educational and outreach materials and services.

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.

JUSTIFICATION

This project meets Authorized Use #1 because storm event sampling and the resulting pollutant loading determinations are expected to provide valuable information regarding pollutant types and potential impacts on water quality. Additionally, the data will be used to develop and distribute stormwater management educational materials for the public. The educational materials will seek to inform the citizenry as to how stormwater runoff affects water quality and how they can help prevent pollutants from entering and damaging our waterways.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

Partnering is not applicable to this project.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

It will result in the acquisition of data regarding pollutant types and potential impacts on water quality in order to develop better control of stormwater discharges and reduce pollutant loadings thereby improving water quality. This project will also provide an opportunity for distribution of stormwater management educational materials increasing public awareness on the importance of proper waste disposal and on water quality protection.

PROPOSED TIER TWO PROJECT DESCRIPTIONS

State of Alabama Tier Two Project Descriptions

Project Number	Project Title	Project Cost	Page Number
AL2-16	Bon Secour Land Acquisition Project	\$ 4,875,000.00	123
AL2-17	Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama	\$ 1,350,000.00	125
AL2-18	Beneficial Use of Dredged Material from the Mobile Ship Channel	\$ 6,000,000.00	129
AL2-19	Restoration of Dauphin Island's West End Dunes	\$ 225,000.00	133
AL2-20	Dauphin Island Aloe Bay Property Acquisition	\$ 1,250,000.00	135
AL2-21	Stream Restoration of Tributary to Tiawasee and D'Olive Creek	\$ 540,000.00	137
AL2-22	Perdido Bay Coastal Islands Acquisition	\$ 344,500.00	139
AL2-23	Oyster Reef Enhancement: Quantifying Benefits to the Fishery	\$ 836,529.36	141
AL2-24	Coastal Alabama Land Acquisition	\$ 2,000,000.00	145
AL2-25	Habitat Protection and Restoration along State-Owned Lands in South Mobile County	\$ 5,000,000.00	147
AL2-26	Submerged Aquatic Vegetation Mapping in Coastal Alabama	\$ 500,000.00	151
AL2-27	Construction of a 1500-foot Boardwalk at the Weeks Bay Reserve	\$ 300,000.00	153
AL2-28	Enhancement, Research, and Development of Alabama's Artificial Reef System	\$ 1,600,000.00	155
AL2-29	Water Quality Enhancement in Coastal Watersheds	\$ 1,350,000.00	157
Total		\$ 26,171,029.36	

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Bon Secour Land Acquisition Project

PROJECT NUMBER

AL2-16

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$4,875,000.00

Location: South side of the Bon Secour River, near Gulf Shores Alabama
Latitude: 30° 22' 28.17"N
Longitude: 87° 55' 44.33"W
Duration: 1 Year

GOAL

The goal of this project is to acquire land to conserve natural areas in coastal Alabama.

OBJECTIVE

This objective of this project is to purchase approximately 11.82 acres of coastal wetlands and uplands on the Bon Secour River in southwestern Baldwin County.

SUMMARY OF PROJECT

The Bon Secour River is located in southwestern Alabama. The wide mouth of the river forms a productive coastal estuary with deep water access to Mobile Bay. The name "*Bon Secour*" is derived from the French phrase meaning "safe harbor" due to the secluded location on the inside coast of the Fort Morgan peninsula. Due to the downturn of the economy, there is a unique and time sensitive opportunity to acquire approximately 12 acres of coastal wetlands and uplands directly adjacent to the Bon Secour River. Purchased by the Marina Club Bon Secour, LLC in 2006, the property was planned for the development of the "Marina Club at Bon Secour", a high rise condominium and marina. This project has since been abandoned and the parcel is available for purchase.

This project proposed to acquire this parcel to increase public awareness about coastal conservation. The property will be developed into a nature park including walking trails, outdoor exhibits, restrooms, boat launch, and other amenities. This will acquire the land only. Improvement costs will be funded from other sources.

A yellow-book appraisal will be acquired for the tract prior to purchase. The deed will be restricted according to CIAP program requirements. The property will be managed as a park for conservation and public access. The grant period is estimated to be one year.

AUTHORIZED USE

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 meets Authorized Use #1 because it will acquire land for conservation with the coastal area of Alabama.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are many federal and non-federal partners associated with this project. There are many educational and recreation facilities in Baldwin County that have benefited from watershed-based planning by federal, state, and local leaders. Such efforts have resulted in facilities that protect the environment such as the Bon Secour National Wildlife Refuge, Weeks Bay National Estuarine Research Reserve, Gulf State Park, Baldwin County Bicentennial Park in Stockton, the City of Gulf Shore's public access park on Little Lagoon and Gulf State Park. Development of a nature park will partner with federal, state, and local agencies to enhance existing environmental education and public access facilities.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama

PROJECT NUMBER

AL2-17

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$1,350,000.00
Location: Research activities will take place throughout coastal Alabama
Latitude: 30° 40' 31.14" N
Longitude: 87 ° 55' 55.32" W
Duration: 4 Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

This project will conduct research projects related to the West Indian Manatee (*Trichechus manatus*) and freshwater turtle populations providing critical data for decision-making activities that support long-term conservation, management, and restoration efforts. Each project will result in detailed report summarizing the research and associated findings.

SUMMARY OF PROJECT

West Indian Manatee: In recent years sightings of the endangered West Indian manatee (*Trichechus manatus*) have increased in coastal northern Gulf of Mexico, particularly in Alabama. This area is considered the outer limits of manatee habitat. Outside Florida, the attributes of West Indian manatee habitat are largely undefined, and consequently, habitat determinants of manatee success are unknown in fringe areas such as Alabama. Data are needed to define fringe habitats and food resource and guide future decision-making activities that support long-term conservation, management, and restoration efforts.

This project will conduct research which will combine newly collected field data with remotely-sensed science products and datasets regarding manatee habitat attributes in Alabama waters. Through ground-truthing of habitat boundaries, this project will research manatee abundance, distribution, movements, and strandings in Alabama through time. This project will also implement satellite-telemetry-GPS tagging and tracking methods. This project will result in a detailed report summarizing the research findings.

Mobile-Tensaw Delta Freshwater Turtle Populations: Recent studies have claimed the Mobile-Tensaw Delta (MTD) has the greatest freshwater turtle diversity in North America and the second highest turtle diversity in the world. Some turtle species in the MTD are the federally endangered Alabama red-bellied turtle (*Pseudemys alabamensis*), the alligator snapping turtle *Macrochelys temminckii*, the Delta map turtle (*Graptemys nigrinoda delticola*), and the Alabama map turtle (*Graptemys pulchra*). Further, the Mobile-Tensaw Delta accounts for the entire geographic range of the Delta map turtle and nearly all of the known range of the Alabama red-bellied turtle. Turtles of the Mobile-Tensaw Delta occupy a variety of ecological niches, and due to their longevity and need for quality water conditions make excellent bio-monitors.

This project will consist of four tasks:

- 1) This task will estimate population sizes of freshwater turtle species of the Mobile-Tensaw Delta, particularly the Alabama red-bellied turtle, alligator snapping turtle, Delta map turtle, and Alabama map turtle using conventional trapping and genetic techniques (all four are federally or state listed species)
- 2) This task will examine the reproductive steroid levels of the freshwater turtle fauna of the Delta to determine if reproduction is being affected by habitat alteration and industrial pollution
- 3) This task will examine the affect of nonnative, invasive aquatic vegetation upon the herbivorous turtle fauna of the Mobile-Tensaw Delta and specifically the federally endangered Alabama red-bellied turtle
- 4) This task will enhance turtle nesting success on Gravine Island, which is a significant nesting site for the federally endangered Alabama red-bellied turtle. Activities will include installation of nest enclosures and construction of an educational kiosk to inform the public of importance of the island for nesting turtles.

AUTHORIZED USE

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 meets Authorized Use #1 because it will provide data to better manage designated protected areas in coastal Alabama. More successful management of these areas will conserve and protect coastal areas.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will partner with the U.S. Fish and Wildlife and Five Rivers Alabama's Delta Resource Center (State Lands Division).

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
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64 North Union Street
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PROJECT TITLE

Beneficial Use of Dredged Material from the Mobile Ship Channel

PROJECT NUMBER

AL2-18

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$6,000,000.00
Location: Dauphin Island, Alabama
Latitude: 30° 14' 50.79" N
Longitude: 88 ° 07' 38.36"W
Duration: 4 Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

This project will pay for additional costs associated with locating 1,000,000 cubic yards of dredged materials from the Mobile Ship Channel to Dauphin Island's nearshore area instead Sand Island Beneficial Use Area.

SUMMARY OF PROJECT

Dauphin Island, Alabama is a coastal barrier island located in southern Mobile County. It has experienced significant erosion along the east end and west end. To the east of the island, the Mobile Ship Channel bisects the littoral sand movement from east to west from Dixie Bar and Fort Morgan. The Mobile Ship Channel is periodically dredged and the material is placed in designated disposal areas along the channel in unconfined open water. Placing this material in open water removes large volumes of sand from the littoral system. Since, 1999, the Sand Island Beneficial Use Area has been used for most of the dredge spoil removed from the Mobile Ship Channel.

In an effort to remedy the erosion on the island by placing beach quality sand into the nearshore system, this project will pay for additional costs associated with locating dredged materials from the Mobile Ship Channel. This sand will be located on both west end and east end beaches on Dauphin Island. Preliminary estimates indicate if bypassed sand is spread over a mile of shoreline, the beaches may widen 40-100 feet. On the west end, the sand could be placed directly on the beach or just offshore inside the depth of closure (estimated to be approximately 20 foot depth contour) so that it migrates up the beach within a few months. On the east end, the sand will be located directly on the shoreline.

This project will be coordinated closely with the U.S. Army Corps of Engineers (USACE) Mobile District's current dredging practices of Mobile Ship Channel. The Ship Channel is typically dredged on a one to two year cycle. Preliminary costs from the USACE indicate the difference between using the Sand Island Beneficial Use area is \$3.00 per cubic yard vs. \$9.00 per cubic yard to place the sand on Dauphin Island resulting in an estimated difference of \$6,000,000 to relocate 1,000,000 cubic yards of dredged material.

This will be a phase project whereby Phase 1 will request grant funding for permitting and preliminary engineering and Phase 2 will request grant funds for construction.

AUTHORIZED USE

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 meets Authorized Use #1 because it will restore coastal areas via a shoreline stabilization project on Dauphin Island. The benefits of placing dredge materials on two coastal areas on the island will restore coastal areas that have previously eroded.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will partner with the Town of Dauphin Island, the Dauphin Island Park and Beach Board, and the U.S. Army Corps of Engineers.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Restoration of Dauphin Island's West End Dunes

PROJECT NUMBER

AL2-19

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$225,000.00
Location: Dauphin Island, Alabama
Latitude: 30° 14' 54.49" N
Longitude: 88 ° 11' 23.27" W
Duration: 4 Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The goal of this project is to construct 10 acres of dune habitats along the west end of Dauphin Island.

SUMMARY OF PROJECT

Dauphin Island, Alabama is a coastal barrier island located in southern Mobile County. It has experienced significant erosion along the east end and west end. Recent Tropical Storms impacted the west end, causing overwashing of water and sand across the island. In order to avoid overwashing from minor storm events, this project will construct dunes in increase elevations so that the day-to-day surf is blocked. Sand fencing combined with planted vegetation will be used to retain windblown sand along the north and south sides of Bienville Boulevard.

This will be a phase project whereby Phase 1 will request grant funding for permitting and preliminary engineering and Phase 2 will request grant funds for construction.

AUTHORIZED USE

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 meets Authorized Use #1 because it will restore coastal areas via a shoreline stabilization project on Dauphin Island. Stabilizing and promoting dune systems will reduce overwash to only the most severe storms. Dune restoration will also increase dune habitat.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are no federal or non-federal partners.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Dauphin Island Aloe Bay Property Acquisition

PROJECT NUMBER

AL2-20

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$1,250,000.00
Location: Dauphin Island, Alabama
Latitude: 30° 15' 27.43" N
Longitude: 88 ° 06' 59.48" W
Duration: 1 Year

GOAL

The goal of this project is to acquire land to conserve natural areas in coastal Alabama.

OBJECTIVE

The objective of this project is to acquire of a parcel of a waterfront parcel on the north shore of Dauphin Island along Aloe Bay.

SUMMARY OF PROJECT

Dauphin Island, Alabama is a coastal barrier island located in southern Mobile County. This project will purchase a parcel of land along Aloe Bay, along the north shore. This project proposes to acquire this parcel to increase public awareness about coastal conservation. The property will be developed into a nature park including walking trails, outdoor exhibits, restrooms, boat launch, and other amenities. This will acquire the land only. Improvement costs will be funded from other sources.

A yellow-book appraisal will be acquired for the tract prior to purchase. The deed will be restricted according to CIAP program requirements. The property will be managed as a park for conservation and public access. The grant period is estimated to be one year.

AUTHORIZED USE

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 meets Authorized Use #1 because it will acquire land for conservation with the coastal area of Alabama.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are no federal or non-federal partners.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Stream Restoration of Tributary to Tiawasee and D'Olive Creek

PROJECT NUMBER

AL2-21

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$540,000.00
Location: Daphne, Alabama
Latitude: 30° 38' 08.01" N
Longitude: 87 ° 57' 58.59" W
Duration: 2 years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective of this project is the restore 800 linear feet of D'Olive Creek and 1000 linear feet of Tiawasee Creek in the City of Daphne in Baldwin County.

SUMMARY OF PROJECT

Tiawasee and D'Olive Creek watersheds are located in Daphne, Baldwin County. Natural wetland and watershed function in these watersheds have been altered by changes in watershed land uses, channel straightening and relocation, floodplain filling, wetland ditching and stormwater discharges. These effects have reduce floodplain connectivity and eliminated sheet flow hydrology in adjacent in floodplain wetland systems.

Specific indications of impacts include channel incision and widening from head cutting, excessive storm water discharge, watershed build-out, minimized connectivity with riparian floodplain wetlands, and excessive sediment deposits from upstream sources. These impacts have been so great that the stream has been listed on the Alabama Department of Environmental Management (ADEM) 303d impaired streams list for siltation (sediment impacts).

Three areas will be addressed during restoration efforts including:

1. Channel incision impacting riffle-pool habitat availability and effecting channel geomorphology
2. Interrupted hydrologic connectivity with the floodplain, resulting in adjacent wetland isolation
3. Tributary head cutting caused by downstream impacts and over-widening.

The objective of this project is the restore 800 linear feet of D'Olive Creek and 1000 linear feet of Tiawasee Creek resulting in a total project cost of \$540,000.00.

AUTHORIZED USE

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 meets Authorized Use #1 because it will restore streams and riparian habitats in coastal Alabama.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are no federal or non-federal partners.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Perdido Bay Coastal Islands Acquisition

PROJECT NUMBER

AL2-22

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$344,500.00
Location: Gilchrist Island and Walker Island, Orange Beach, Alabama
Gilchrist Island
Latitude: 30° 16' 49.54" N
Longitude: 87 ° 33' 27.90"W
Walker Island
Latitude: 30° 16' 49.54" N
Longitude: 87 ° 33' 27.90"W

Duration: 1 year

GOAL

The goal of this project is to acquire land to conserve natural areas in coastal Alabama.

OBJECTIVE

The objective of this project is to purchase 2 coastal islands (Gilchrist Island and Walker Island) in Orange Beach, Baldwin County, Alabama.

SUMMARY OF PROJECT

Perdido Pass connects the inland waters of Terry Cove, Boggy Bayou, and Bayou St. John and Perdido Bay to the Gulf of Mexico. There are several islands located in Perdido Pass. Two of the Islands (Robinson and Bird Island) are already in public ownership. This project proposed to acquire the remaining two islands (Gilchrist and Walker Island) in order to maintain the natural habitats located on the islands. These islands have healthy fish and wildlife populations.

A yellow-book appraisal will be acquired for the tract prior to purchase. The deed will be restricted according to CIAP program requirements. The property will be managed as a park for conservation and public access. The grant period is estimated to be one year.

AUTHORIZED USE

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 meets Authorized Use #1 because it will acquire land for conservation with the coastal area of Alabama. The acquisition and management of the two islands will conserve and protect two coastal islands that provide coastal dune, marsh and sea grass habitat. Additionally, the two islands serve as coastal bird nesting sites and feeding/loafing areas.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will partner with the City of Orange Beach and the Island of Perdido Foundation.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Oyster Reef Enhancement: Quantifying Benefits to the Fishery

PROJECT NUMBER

AL2-23

CONTACT INFORMATION

Recipient Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$836,529.36
Location: Research will take place on the west end of Dauphin Island and in the Mississippi Sound
Latitude: 30° 14' 48.36" N
Longitude: 88° 12' 43.40" W
Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective of this project is to establish approximately 16 acres of oyster reefs in several suitable locations within Alabama coastal waters for fisheries enhancement and improved ecological services. The oyster reefs will be owned by the State of Alabama and will not be leased to commercial oyster fisherman.

SUMMARY OF PROJECT

Oyster reefs in Alabama coastal waters have been devastated in recent years by the effects of drought, oyster drill predation, hurricanes, and pipeline construction activities. Damaged oyster reef habitat also has a cascading effect on the coastal environment through loss of habitat for other fish and invertebrate species and the ecological benefits from the water filtering capacity of oysters.

Through a cooperative effort between the Organized Seafood Association of Alabama, Auburn University Shellfish Laboratory and consultation with the Marine Resources Division of the Alabama Department of Conservation and Natural Resources, this project will identify four areas for creation of oyster reef habitat for the ecological benefit of Alabama coastal waters and to mitigate the damage described above. The areas identified for oyster reef creation will be selected for proximity to low-flow freshwater sources that would mitigate the impact of droughts and predations by oyster drills (where drought conditions result in increased salinities which favor the oyster drill predator). Areas with relatively constant but minimal fresh water input should minimize these effects. In each of the four selected locations, a 4-acre area, generally circular in shape will be planted with a 6 inch base of oysters shell (16 acres total). Live oysters, produced by the Auburn University Shellfish Laboratory, will be planted in a dense patch of oysters are expected to serve as possible spawning stocks of oysters and immediately provide some of the ecological services of live oyster reefs. Some studies suggest that adult oysters provide some attraction for recruitment of oyster larvae to the area. The project proposes to quantify this effect to evaluate whether such plantings are cost-effective in this regard. Therefore, the resulting reefs will be monitored bi-annually by Auburn University personnel for recruitment of new spat to the reefs, any relationship of spat set to distance from planted live oysters in the center of the reef, and analysis of the progression of the population size structure of the oyster reef for a period of three years. Prevailing currents will be measured to aid analysis of spat settlement.

Project costs will include contractual fees to hire a shell planting company, site selection and layout, costs of hatchery and nursery production of oysters for planting, salary, fringe, boat rental costs for planning live oysters on the reef and pre and post monitoring.

This grant may be submitted in phases whereby Phase 1 will request funding for site selection and hatchery costs and Phase 2 will request funding for oyster reef construction.

AUTHORIZED USE

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 meets Authorized Use #1 because it constructs oyster reefs in the coastal area of Alabama. Oyster habitat is vital to the health of an estuary, effectively filtering nutrients, algae, bacteria, fine sediments and toxins from the water and improving water quality. A typical adult oyster filters between 20 and 50 gallons per day. Clearer water allows for more sunlight penetration which can lead to

expansion of sea grass beds. Oyster reefs provide important forage and refuge habitat for over 300 species of invertebrates, such as shrimp, crabs, clams, snails and worms, as well as many species of fish such as snook, grouper, redfish, black drum and more. Many fish species that live as adults on the offshore reefs spend the juvenile phase of their life on oyster reefs.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will partner with the Organized Seafood Association of Alabama and the Alabama Marine Resources Division in the Department of Conservation and Natural Resources.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Coastal Alabama Land Acquisition

PROJECT NUMBER

AL2-24

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$2,000,000.00
Location: Coastal Areas in Alabama
Latitude: N/A
Longitude: N/A
Duration: Four Years

GOAL

The goal of this project is to acquire land to conserve natural areas in coastal Alabama.

OBJECTIVE

This project will purchase land for conservation within the coastal area of Alabama.

DESCRIPTION OF PROJECT

This project will acquire land for conservation in the coastal area of Alabama. The acquired land will have conservation benefit. A yellow-book appraisal will be obtained prior to submitting a grant application. All CIAP land acquisition processes will be met.

SUMMARY OF PROJECT

This project will purchase land for conservation in the coastal area of Alabama.

AUTHORIZED USE

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 meets Authorized Use #1 because it will acquire land for conservation with the coastal area of Alabama.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are no federal or non-federal partners.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Habitat Protection and Restoration along State-Owned Lands in South Mobile County

PROJECT NUMBER

AL2-25

CONTACT INFORMATION

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$5,000,000.00
Location: State-owned lands in Grand Bay, Portersville Bay, Mississippi Sound and Mississippi Sound
Latitude: 30° 23' 17.91" N
Longitude: 88° 17' 29.17" W
Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective of this project is to protect and restore salt marsh habitat and other habitats along State-owned shorelines located along Grand Bay, Portersville Bay and Mississippi Sound.

DESCRIPTION OF PROJECT

Preliminary conceptual designs have been developed for a number of projects in south Mobile County. Potential project sites include:

Restoration and Protection of Grand Bay Shorelines: This project would involve the placement of bagged oyster shell, concrete oyster domes and/or other permeable breakwater technology, and the planting of salt marsh vegetation along eroding State-owned shorelines in Grand Bay, Mississippi Sound. Sites could include:

- Marsh Island
 - Barton Island
 - Grand Bay Savannah Forever Wild Tracts
- and/or
- Little Bay Forever Wild Tracts.

The purpose of this project would be to protect and restore saltmarsh along these highly eroded shorelines. These shorelines are experiencing erosion rates of 5-10' per year, which is resulting in the loss of critical salt marsh and island habitat.

Additionally, by using appropriate permeable breakwater technology combined with marsh plantings, oyster habitat and nursery habitat for finfish and shellfish will be increased. Other coastal resources which could benefit from this project include intertidal habitats, wading birds, migratory song birds, marsh birds, waterfowl, Mississippi diamond-backed terrapin and the Gulf saltmarsh water snake.

Marsh Island - Portersville Bay Restoration and Protection Project: This project would involve the placement of bagged oyster shell, concrete oyster domes, riprap and/or other permeable breakwater technology along the eroding south-facing shoreline of Marsh Island in Portersville Bay. The island is currently experiencing annual erosion rates of 5-10' per year, which is resulting in the loss of critical salt marsh and island habitat.

Depending on the availability of funds, preliminary conceptual design also includes the restoration of approximately 42 acres of marsh, subtidal habitat and colonial nesting wading bird habitat on the sheltered north-facing shoreline. This project could utilize sediment dredged from the Mississippi Sound, the Coden Navigation Project or from other sources, such as the beneficial use of dredged materials located in upland disposal areas along the lower Tombigbee and Alabama Rivers. Marsh loss is very high in this area, threatening fisheries, wildlife, and community resiliency. Coastal resources which would benefit from this project include salt marsh, oysters, intertidal habitats, fish, wading birds, marsh birds, waterfowl, shellfish, Mississippi diamond-backed terrapin and the Gulf saltmarsh water snake.

AUTHORIZED USE

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 meets Authorized Use #1 because it will restore and enhance coastal areas in southern Mobile County.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

This project will partner with USFWS, USACE, NOAA, MBNEP, TNC and DISL

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
N. Gunter Guy, Jr., Commissioner
64 North Union Street
Montgomery, AL 36103
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Fax: (334) 242-0999
Email: dcnr.ciap@dcnr.alabama.gov

PROJECT TITLE

Submerged Aquatic Vegetation Mapping in Coastal Alabama

PROJECT NUMBER

AL2-26

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$500,000.00
Location: Coastal Waters of Mobile and Baldwin Counties
Latitude: 30° 39' 39.89" N
Longitude: 88° 00' 23.50" W
Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective of this project is to produce a comprehensive map of the Submerged Aquatic Vegetation (SAVs) in the Alabama Coastal Area in order to establish a comprehensive data set of SAV coverage and species composition.

DESCRIPTION OF PROJECT

This project would provide additional SAV datasets in coastal Alabama. This information would be used by resource managers, such as the Alabama Department of Conservation and Natural Resources, the US Fish and Wildlife Service, the US Army Corps of Engineers, the Alabama Department of Environmental Management, the US Environmental Protection Agency, and other similar state and federal agencies in making management and regulatory decisions related to SAVs. Further, this information will provide additional status and trends information for SAVs, which will assist in forming natural resource protection policies and regulations, as well as providing data to make informed decisions on the location, funding and implementation of SAV restoration projects. Additionally, this information will be used by academic institutions such as the Dauphin Island Sea Lab in their coastal research efforts. Finally, as seen in response to the BP Deepwater Horizon Incident, such data can be critical to both the response efforts and the Natural Resource Damage Assessment process efforts during such incidents.

AUTHORIZED USE

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

SAVs are critical coastal resources. SAVs serve as nursery habitat for numerous commercially and recreationally important finfish species including grey snapper, speckled sea-trout, lane snapper, redfish and other species. Additionally, it serves as nursery habitat for juvenile blue crabs and shrimp.

SAVs are serving as foraging habitat for numerous wading birds as well as over-wintering waterfowl. The information gathered through the continued mapping of SAVs will assist natural resource managers in making informed decision related to the management of all these species.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

Partners will probably include MBNEP and possible DISL.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
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PROJECT TITLE

Construction of a 1500-foot boardwalk at the Weeks Bay Reserve

PROJECT NUMBER

AL2-27

CONTACT INFORMATION

Recipient Contact

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Alabama Department of Conservation and Natural Resources
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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$300,000.00
Location: Weeks Bay National Estuarine Research Reserve, Fairhope, Alabama

Latitude: 30° 25' 01.59" N
Longitude: 88° 49' 55.50" W
Duration: Two Years

GOALS

The goal of this project is to conserve and protect Alabama's coastal areas by raising the public awareness through the construction of natural resource-based educational facilities.

OBJECTIVE

This project will construct a 1500 linear feet in length boardwalk at Weeks Bay Reserve to complement the existing boardwalk receiving over 20,000 visitors annually.

DESCRIPTION OF PROJECT

The Weeks Bay National Estuarine Research Reserve is located in southwest Baldwin County and is managed by 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 to encourage land stewardship practices through partnerships, public education, and outreach programs. Thousands of visitors and students come to this facility every year.

This project will provide funding to construct a 1500 linear foot of boardwalk to complement the existing boardwalk currently receiving over 20,000 visitors a year. This section will connect the boardwalk immediately behind the Interpretive Center and the Nature Trail to a ground trail that ends in a small overlook of the Weeks Bay and associated estuarine marsh.

AUTHORIZED USE

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 meets Authorized Use #1 because this project will construct educational infrastructure improvements. The boardwalk project will complete the last phase of educational boardwalks at the Weeks Bay Visitor Center. This site is the main activity center and office of the Weeks Bay National Estuarine Research Reserve, a site-based center of excellence in environmental education. Over 25,000 visitors a year walk the interpreted boardwalks as well as see habitat models, specimen collections and live animal exhibits on display six days a week currently at no charge. Weeks Bay Reserve is committed to conservation of coastal resources and such exhibits and boardwalks as described greatly contribute to this effort. These improvements implemented with tier two funding will enhance the educational opportunities offered to the public and put the last touches on an already impressive experiential educational tool. The Reserve was designated in February 1986 and recently celebrated 25 years of educating visitors of all ages on conservation issues. The long term educational commitment is evident in the ongoing educational programming that continues forward from a 25 year history. Additional information on the Reserve and various educational programs can be found at the website: www.weeksbayreserve.com.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are no federal or non-federal partners.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Enhancement, Research, and Development of Alabama's Artificial Reef System

PROJECT NUMBER

AL2-28

CONTACT INFORMATION

Recipient Contact

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Alabama Department of Conservation and Natural Resources
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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Estimated Cost: \$1,600,000.00
Latitude: 30° 14' 59.73" N
Longitude: 87 °40'20.90"W
(Note this is coordinates of the Claude Peteet Mariculture Center in Gulf Shores)
Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective of this project is to enhance habitat through construction and/or rehabilitation of artificial reefs, conduct research pertaining to artificial reefs, and continue the development of the artificial inshore and offshore reef zones under the jurisdiction of the Alabama Marine Resources Division.

DESCRIPTION OF PROJECT

The State of Alabama's artificial reef/habitat program, managed by the Alabama Marine Resources Division (AMRD), is one of the largest in the United States. It is designed not only to create habitat in barren areas where habitat dependent species can thrive but also to enhance natural habitats. Since its implementation in 1987, the current program has issued over 20,000 offshore reef permits and constructed 25 inshore reefs.

This multi-layered project will consist of the mapping, enhancement, and/or creation of artificial reefs, research, and the continued development of Alabama's artificial reef/habitat program as detailed in the following work descriptions. Existing inshore reefs in Mobile and Baldwin Counties and offshore reef zones will be surveyed using side-scan sonar when possible and enhanced as needed with suitable habitat materials. Previously identified and planned inshore reef sites will be created with suitable habitat materials. AMRD currently possesses open permits issued by the U.S. Army Corps of Engineers for Alabama's offshore artificial reef zones (no expiration) and several inshore reef sites. Expired permits will be renewed (as required) for existing and new inshore reef sites. Habitats enhanced and/or created are expected to substantially contribute to the conservation and sustainability of Alabama's marine resources. Research addressing species-habitat interactions/preferences, species age-abundance correlations, species immigration/emigration, and suitable reef material and configuration will be conducted through this project. All data collected will be made available to state and federal managers; these decision-makers will be encouraged to incorporate the information in management processes.

AUTHORIZED USE

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 meets Authorized Use #1 because this it will provide more information to coastal resource managers. Understanding the location and nature of coastal resources, will enable coastal managers to make better informed decisions.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are no federal or non-federal partners.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Alabama Department of Conservation and Natural Resources
N. Gunter Guy, Jr., Commissioner
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PROJECT TITLE

Water Quality Enhancement in Coastal Watersheds

PROJECT NUMBER

AL2-29

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Coastal Alabama
Estimated Cost: \$1,350,000.00
Latitude: 30° 53' 19.93" N
Longitude: 88° 02' 22.47.90" W
Duration: Four Years

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat and wildlife through data analysis, research, and on-the-ground conservation activities.

OBJECTIVE

The objective is to protect coastal wetlands and watersheds by implementing erosion control measures through stabilization of dirt roads.

DESCRIPTION OF PROJECT

There are approximately 1000 miles of dirt roads in Mobile and Baldwin Counties. Prior to submitting a grant application, a priority list of roads will be developed and prioritized based on water quality improvement potential. The list will utilize a variety of criteria such water quality date, construction impacts, and quantities of red clay base material placed on roads annually. In areas where these roads cross wetlands, streams, and or other waterways, these roads can contribute significant amounts of sediment through erosion. In addition to wetland degradation, sedimentation is identified as the second largest contributor to pollution in rivers and streams in Alabama (EPA National Assessment Database).

In an effort to ameliorate these impacts, this project will apply surface treatments in these sensitive areas. Treatments will vary based on the conditions, however common treatments will include crushed aggregate, chemical polymers, or asphalt. The grant application will be submitted in phases, whereby Phase 1 will request funds for engineering and permitting and Phase 2 will request funds for construction.

AUTHORIZED USE

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 meets Authorized Use #1 because it provides for the protection of coastal waters and wetlands by reducing erosion along dirt roads. This erosion causes sediment to enter the streams and creeks causing detrimental effects to wetland habitat and associated species.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

There are no federal or non-federal partners.

Baldwin County Tier Two Project Descriptions

Project Number	Project Title	Project Cost	Page Number
BC2-05	Stream Restoration for Tributary to Tiawasee Creek	\$ 300,000.00	161
BC2-06	Nature Center at Bicentennial Park	\$ 875,000.00	165
BC2-07	Acquisition of Property for Conservation & Public Access	\$ 2,000,000.00	169
Total		\$ 3,175,000.00	

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Frank Burt, Chairman, Baldwin County Commission
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Bay Minette, AL 36507
Phone: 251-937-0395
Fax: 251-580-2500
E-mail: grants@baldwincountyal.gov

PROJECT TITLE

Stream Restoration for Tributary to Tiawasee Creek

PROJECT NUMBER

BC2-05

CONTACT INFORMATION

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Application Contact

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E-mail: aelliott@baldwincountyal.gov

Sub-grantee Contact

Ashley Campbell, Environmental Programs Manager
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Daphne, AL 36526
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PROJECT SUMMARY

Location: Daphne, Alabama
Latitude: 30° 37' 54.4" N
Longitude: 87° 53' 0.2" W

Duration: Two Years
Estimated Cost: \$300,000

GOAL

The goal of this project is to provide restoration of coastal habitat in the D'Olive Watershed by reducing the sediment loads resulting from accelerated erosion along an unnamed tributary of the Tiawasee Creek Watershed.

OBJECTIVE

The objective of this project is the restoration of approximately one thousand (1,000) linear feet of an unnamed tributary of Tiawasee Creek. The restoration will serve to stop severe erosion, establish grade controls and re-establish floodplain connectivity.

This project would be sub-granted to the City of Daphne for implementation.

The D'Olive Watershed is located in a rapidly developing area along the eastern shore of Mobile Bay. The entire D'Olive Watershed has been heavily urbanized with impervious surfaces at about twenty percent (20%) or more. Natural stream and wetland functions in the watershed have been altered by historic changes in watershed land uses, channel straightening and relocation, floodplain filling, wetland ditching, and storm water discharges. These effects have reduced floodplain connectivity and eliminated sheet-flow hydrology into adjacent wetlands. Many of the impacts along the streams in this watershed include altered aquatic habitat, storm water sediment deposition, hydrologic modification, and potentially degraded water quality.

In 2007, a study was undertaken by the Geological Survey of Alabama in partnership with the Alabama DCNR, SLD to assess the impact of land use changes in the D'Olive Creek, Tiawasee Creek, and Joe's Branch sub-watersheds of the D'Olive Watershed. This study determined more than two- to over 200-fold greater annual sediment loads in most of these streams when compared to natural geologic erosion rates (without human impact or alteration).

In 2009, a contract was awarded to Thompson Engineering to draft a Comprehensive Watershed Management Plan for the D'Olive, Tiawasee, and Joe's Branch watershed with a coalition of local stakeholders, the D'Olive Watershed Working Group, serving as an advisory board. One purpose of this Comprehensive Watershed Management Plan is to identify corrective measures to arrest accelerated erosion, reduce sediments loadings, devise strategies to restore water quality in the impaired streams (ADEM 303d listed) and mitigate the impact of continued urban growth in the watershed.

The alterations to Tiawasee Creek have resulted in impairment that is in need of attention. Specific indications of impacts include channel incision and widening from head cutting, excessive storm water discharge, watershed build-out, minimized connectivity with riparian floodplain wetlands, and excessive sediment deposits from upstream sources. These impacts have been so great that the stream has been listed on the Alabama Department of Environmental Management (ADEM) 303d impaired streams list for siltation (sediment impacts).

Not only will this project achieve the goal of restoration of coastal habitat, the City is optimistic that the project will result in improved water quality in Tiawasee Creek which discharges to D'Olive Creek then to Mobile Bay. This, ultimately, could result in the de-listing of the un-named tributary to Tiawasee Creek, Tiawasee Creek and potentially D'Olive Creek from the ADEM's 303d list. That achievement, in itself, will improve the overall D'Olive Bay Coastal habitat.

Three areas that will be addressed during restoration efforts are: 1) channel incision impacting riffle-pool habitat availability and effecting channel geomorphology; 2) interrupted hydrologic connectivity with the floodplain, resulting in adjacent wetland isolation; and 3) tributary head cutting caused by downstream impacts and over-widening.

These restoration efforts will provide a stable stream that transports the water and sediment delivered by its watershed, improve the water quality and aquatic habitat of the stream, lake, bayous and estuaries, and improve the floodplain connectivity and function.

AUTHORIZED USE

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 City's restoration project will facilitate the conservation and protection of the existing coastal habitat from future sediment impacts from the eroding creek. The project will also create new habitat in and along the denuded inhabitable eroding coastal channel.

COST SHARING

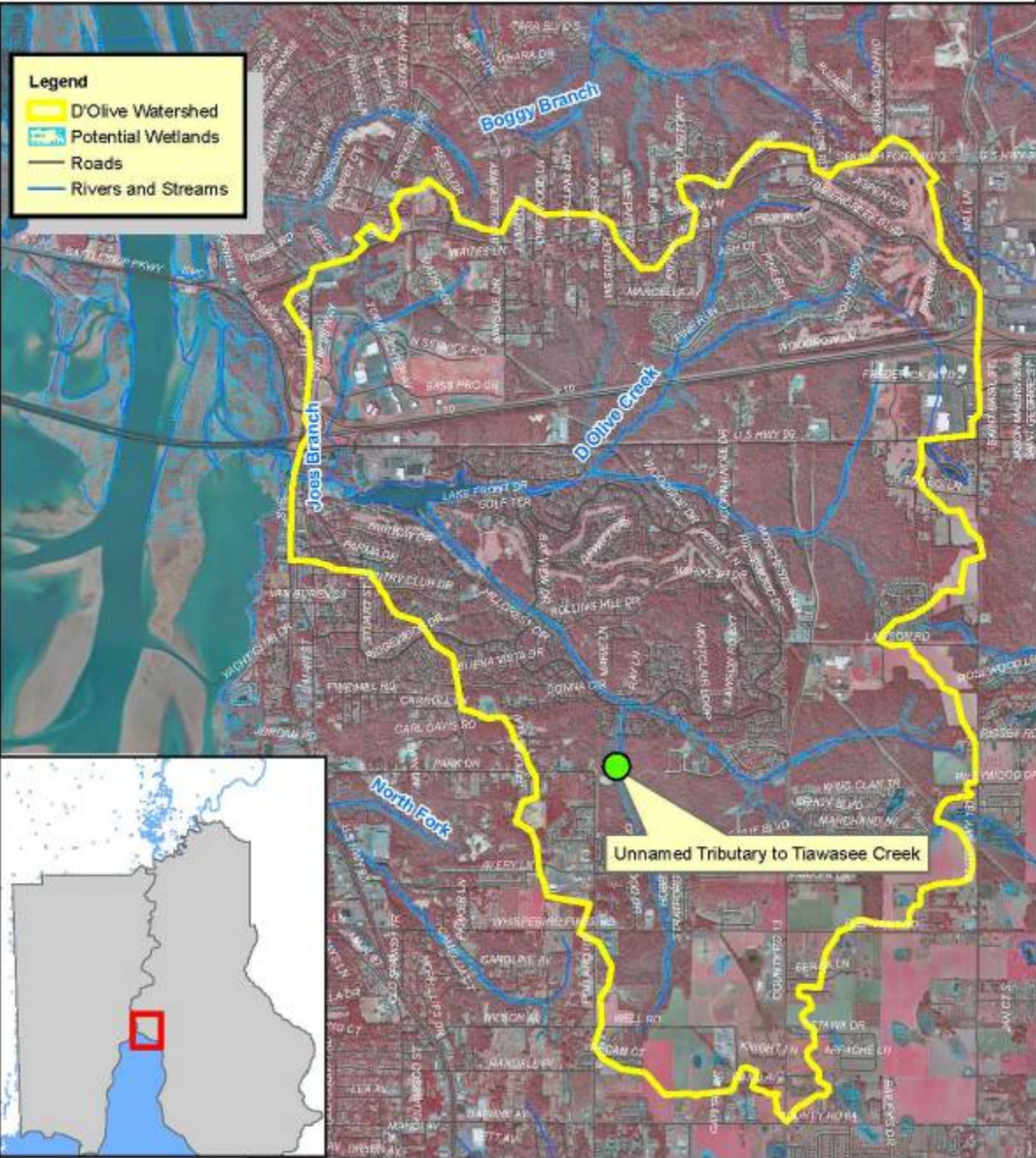
Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

There are no Federal or non-Federal partners which will provide funding support or resources to the project.

State of Alabama Coastal Impact Assistance Program Stream Restoration for Tributary to Tiawasee Creek

0 0.150.3 0.6 0.9 1.2
Miles



**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Frank Burt, Chairman, Baldwin County Commission
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Bay Minette, AL 36507
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PROJECT TITLE

Nature Center at Bicentennial Park

PROJECT NUMBER

BC2-06

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Stockton, Alabama
Latitude: 30° 57' 28.96" N
Longitude: 87° 52' 25.68" W
Duration: Two Years
Estimated Cost: \$875,000

GOAL

The goal of this project is to provide a historical and ecological learning experience in a unique setting for school children as well as local citizens and visitors.

OBJECTIVE

The objective of this project is to construct an approximately 4,000 square foot environmental educational facility as well as boardwalks and observation platforms within Bicentennial Park.

PROJECT DESCRIPTION

Since before recorded history, the Mobile/Tensaw Delta and the surrounding wetlands have sustained human life through the food and shelter provided by the plants and wildlife indigenous to the region. In order to capture that rich heritage and convey it to the citizens and visitors along the Gulf Coast region, the Baldwin County Department of Archives and History proposes to construct a River Delta/Wetlands Nature Center at the County-owned Bicentennial Park. The Bicentennial Park is a 367-acre park dedicated to recognizing the rich historical heritage of Baldwin County. It is situated on property purchased in 2004 with funding from the Coastal Impact Assistance Program. This nature center will focus on the historical uses of resources by the occupants of the region ranging from Woodland Era Indians to the modern Alabama timber industry. It will provide an area of educational opportunities for the region's students, residents and visitors. The proposed Nature Center structure will consist of meeting space which can be used as a classroom for students or as a gathering area for visitors touring the Delta region. In addition, there will be office space available for employees of State and Federal agencies conducting field surveys, experiments and studies within the delta.

The Nature Center will allow an interpretive understanding of the rich resources offered by the Delta ecosystem and its importance to every aspect of the environment – from weather to human lifestyles. It will be the first stop in an educational immersion which includes classroom instruction; a tour through the wetlands via boardwalks and observation platforms; and hands-on educational opportunities with operational displays from the timber industry, farming, an antebellum wharf system, and a Native American lifestyles exhibit. The Center will feature static and interactive displays representing the various attributes of the wetlands and its use by settlers in the region, with focus on the timber industry and subsistence farming as it existed throughout the settlement of the area. These displays will allow visitors to understand the long term impacts to the Delta from human practices such as clear-cut logging and market hunting. Combined with this will be interpretive studies on the mitigation of damage to the environment and natural resources in the region through a variety of methods including interactive displays, audio media and visual media.

The Center is proposed to be constructed predominately from recycled materials. Further, the facility will include a variety of other green innovations that offers yet another educational component to the facility.

This project will be phased. Phase I will involve design and engineering. Phase II will involve construction.

AUTHORIZED USE

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 Nature Center at Bicentennial Park will offer a unique environmental and historical education opportunity to school children, local residents and park visitors. The Nature Center will provide a unique setting for environmental education and will promote environmental stewardship by allowing park visitors to experience the natural wonders of the Mobile-Tensaw Delta through observation, classroom

instruction, hands-on activities, interactive displays, audio and visual media. The Center will also provide a facility to educate citizens about their historical heritage and how the natural environment has played a role in human life throughout history. In addition, the building itself will provide a platform for educating citizens about green building practices by using predominantly recycled materials to construct the facility.

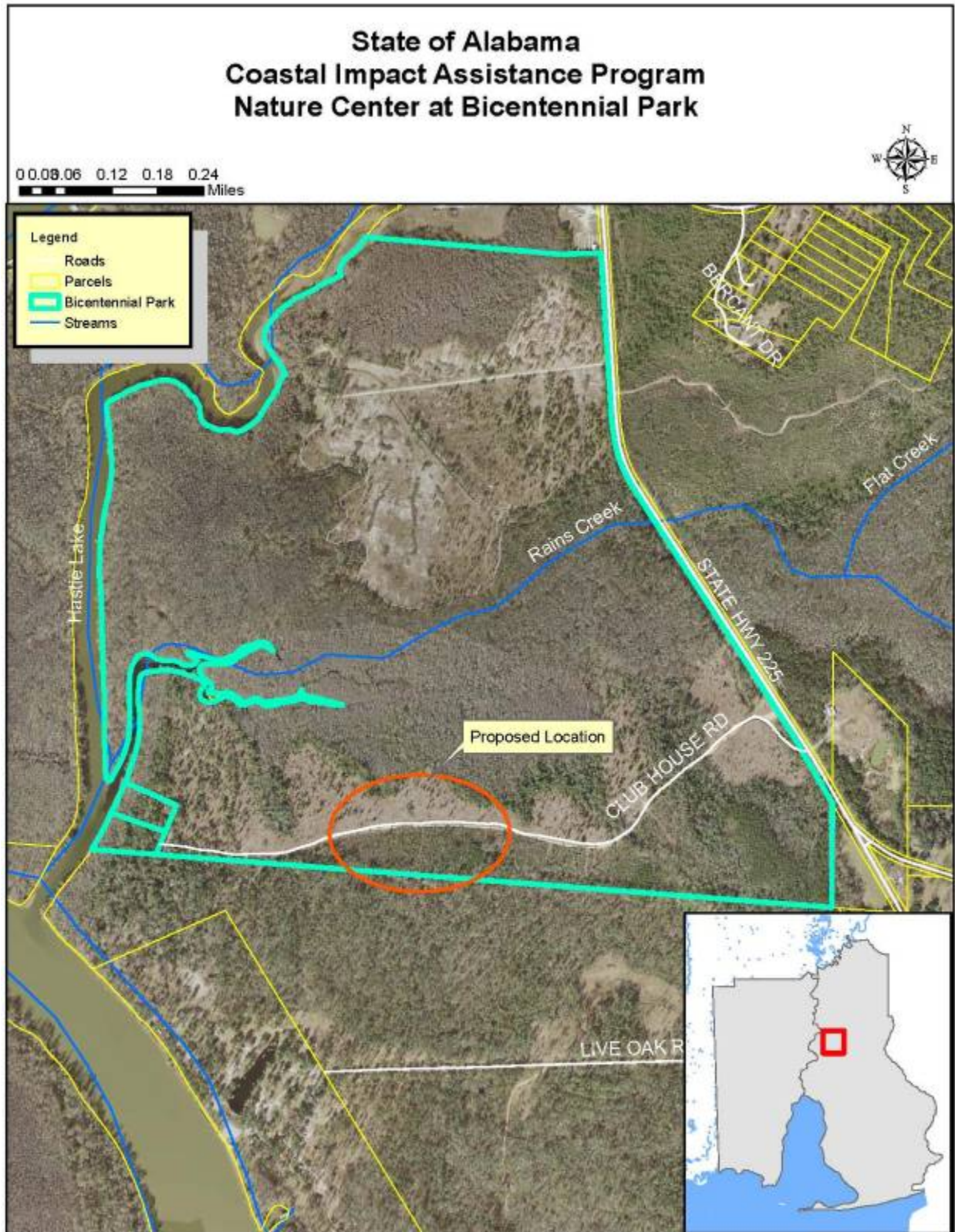
COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

There are no Federal or non-Federal partners which will provide funding support or resources to the project.

Nature Center at Bicentennial Park



**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

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PROJECT TITLE

Acquisition of Property for Conservation & Public Access

PROJECT NUMBER

BC2-07

CONTACT INFORMATION

Recipient Contact

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Application Contact

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Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Baldwin County, Alabama
Duration: Two Years
Estimated Cost: \$2,000,000

GOAL

The goal of this project is to acquire property that will provide conservation and protection for sensitive wetland areas and wildlife habitat while also providing citizens with public access.

OBJECTIVE

The objective of this project is to benefit natural coastal resources and raise public environmental awareness by facilitating natural resource based educational opportunities through nature trails and signage.

The purpose of this project is to secure areas of land that are environmentally sensitive for the benefit of the citizens of Baldwin County. With the intense increase in development in recent years, sensitive areas located along rivers, streams and bays have been developed into subdivisions and commercial uses. There is concern that this development will lead to degradation of water quality due to increased stormwater runoff. 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. Trails will be placed on properties to protect sensitive areas by creating controlled public access. Controlled access to natural resource land manages the degree of impact to the natural environment and provides an opportunity to educate the public on the value of our natural resources.

The County will identify properties which provide the greatest conservation benefit as well as potential public access. These properties will be evaluated for their conservation potential, public accessibility, and costs as well as other criteria.

This will be a phased project. Phase 1 will involve evaluation by County staff of available property and identification of which property or properties to purchase. It will also include the completion of a yellow book appraisal(s) and survey(s). Phase 2 will include the acquisition of the property or properties.

All conservation properties purchased using CIAP funds will have a deed restriction.

AUTHORIZED USE

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 Acquisition of Property for Conservation and Public Access initiative meets Authorized Use #1 because it allows the county to protect and conserve environmentally sensitive land, including wetlands. The purchase of these environmentally sensitive properties not only limits development in these areas, but also provides numerous opportunities for education and awareness for the public as they gain access to these properties. There is a great demand in the county for access to public land, especially land that borders waterways.

COST SHARING

Cost sharing is not applicable to this project. No cost sharing or matching will be used.

PARTNERING

There are no Federal or non-Federal partners which will provide funding support or resources to the project.

Mobile County Tier Two Project Descriptions

Project Number	Project Title	Project Cost	Page Number
MC2-11	Household Hazardous Waste Collection Events	\$ 500,000.00	173
MC2-12	Habitat Restoration on Public Lands	\$ 3,000,000.00	177
Total		\$ 3,500,000.00	

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Mobile County Commission
Merceria L. Ludgood, President
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Mobile, AL 36644
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PROJECT TITLE

Household Hazardous Waste Collection Events

PROJECT NUMBER

MC2-11

CONTACT INFORMATION

Recipient Contact

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Mobile County Public Works
Mobile County Commission
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Application Contact

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E-mail: bmelton@mobilecounty.net

Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Mobile County, Alabama
Duration: Four Years
Estimated Cost: \$500,000

MC2-11	
Total Project Cost	\$500,000.00
FY 2009	\$250,000.00

FY 2010

\$250,000.00

GOAL

The goal of the Household Hazardous Waste Collection Event project is to reduce the amount of household hazardous waste and other difficult waste types and to further public awareness of the importance of proper waste disposal, and on water quality protection.

OBJECTIVE

The objective of the project is to provide citizens opportunities to properly dispose of household hazardous waste and other difficult waste streams.

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 and difficult 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 at least two (2) Household Hazardous Waste Collection Days each year where the County will accept a variety of items not eligible for regular waste collection. Some of the wastes to be collected will be paints, thinners, herbicides, pesticides, used oil, scrap tires, and electronics. The County will contract with a company that specializes in the proper disposal of hazardous wastes for processing and disposing of items collected. 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 waste collection days in Mobile County. Collection sites will be established at various locations throughout the County. Costs for the event are based on costs generated in previous years for the same event. 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.

All hazardous wastes generated as a result of this project will be transported by truck by certified hazardous waste transporters to be properly disposed of in a permitted landfill.

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.

JUSTIFICATION

This project meets Authorized Use #1 because safe disposal of hazardous waste prevents the infiltration of hazardous materials into soils, ground water and surface waters that may occur when hazardous items are disposed of improperly, resulting in contamination and degradation to natural resources. This project will prevent this environmental hazard by providing citizens a mechanism for proper disposal.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

Mobile County will partner with local governments and nonprofit entities.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

The opportunity to properly dispose of household hazardous waste items prevents these items from becoming illegal dumps and/or poured into the stormwater system to end up in one of the bays or the Gulf of Mexico. These events will provide an opportunity for distribution of stormwater management educational materials increasing public awareness on the importance of proper waste disposal and on water quality protection.

**STATE OF ALABAMA
COASTAL IMPACT ASSISTANCE PLAN**

DESIGNATED STATE AGENCY OR COASTAL POLITICAL SUBDIVISION

Mobile County Commission
Merceria L. Ludgood, President
205 Government Street
Mobile, AL 36644
Phone: 251-574-1000
Fax: 251-574-9110
E-mail: mludgood@mobile-county.net

PROJECT TITLE

Habitat Restoration on Public Lands

PROJECT NUMBER

MC2-12

CONTACT INFORMATION

Recipient Contact

Bill Melton, P.E., Environmental Services Director
Mobile County Public Works
Mobile County Commission
205 Government Street
Mobile, AL 36644
Phone: 251-574-3229
Fax: 251-574-4722
E-mail: bmelton@mobilecounty.net

Application Contact

Bill Melton, P.E., Environmental Services Director
Mobile County Public Works
Mobile County Commission
205 Government Street
Mobile, AL 36644
Phone: 251-574-3229
Fax: 251-574-4722
E-mail: bmelton@mobilecounty.net

Sub-grantee Contact

N/A

PROJECT SUMMARY

Location: Mobile County, Alabama
Duration: Two Years
Estimated Cost: \$3,000,000

MC2-12	
Total Project Cost	\$3,000,000.00
FY 2009	\$1,500,000.00

FY 2010

\$1,500,000.00

GOAL

The goal of this project is to protect, conserve, and restore natural coastal habitat through data analysis, research, and on the ground habitat restoration activities on public lands in Mobile County.

OBJECTIVE

Objectives of the program include developing the scientific understanding necessary to direct current and future projects for the benefit of economically and ecologically important habitat and threatened and endangered plants and animals as well as implementing habitat restoration projects that enhance the services and benefits provided by coastal ecosystems.

As human population growth increases, so does its impact on the marine environment. Among the myriad of effects resulting from increased utilization of coastal natural resources, direct human impacts have resulted in decreased abundance of many ecologically, commercially and recreationally important fisheries as well as dramatic loss and degradation of marine habitats. Recognition that the loss and/or degradation of complex marine habitats (e.g., SAV, meadows, salt marshes, oyster reefs, tidal streams, and nearshore habitats) may be limiting the recovery of many marine species has led to increased efforts to conserve existing habitats, restore degraded habitats and create new habitats that function to fill critical roles in the life history of marine and estuarine fishes.

This project will be developed in phases. Phase I will include the development of a strategy that identifies additional research needs and develops potential coastal habitat restoration projects. The strategy document will be utilized to determine the location, design, and specifications of potential Mobile County CIAP habitat restoration activities to be carried out in Phase II. Examples of projects to be included in the Mobile County Habitat Restoration Program include:

- Expanding the University of South Alabama (USA) Oyster Reef Restoration Program. The USA program was established in 2002 with the goals of (1) mapping and assessing current marine habitats and fishery resources; and (2) conducting large-scale habitat creation/restoration activities in cooperation with the Alabama Department of Conservation. Over the past 7 years, the program has mapped oyster reef and SAV habitat in coastal Alabama; successfully restored oyster reefs at Cedar Point, Sand Reef, Bon Secour Bay, and on Dauphin Island and Little Dauphin Island; and carried out other studies that define circulation patterns and larval settlement sites in Mobile Bay. Funding for this program by NOAA has ended, but there continues to be a need to follow through on the goals of the original program and to expand the program to include additional marine habitats.
- Participating in the Dauphin Island Sea Lab (DISL) Habitat Enhancement and Restoration program. This program is designed to allow researchers to focus on a broad range of topics of fundamental importance to coastal and marine habitat restoration. The continued support of this program through CIAP funding will allow the continuation and expansion of research on, and restoration of, habitats in South Mobile County, and in the long-term will provide the data needed to effectively manage natural resources. Potential DISL projects to be included in the program are oyster reef restoration projects, marsh restoration projects, oyster and marine habitat mapping, and shoreline protection and restoration projects.
- Supporting oyster recovery research projects proposed by Auburn University and cooperating non-governmental organizations. These projects include the creation of an Auburn University Shellfish Laboratory's Oyster Reef Enhancement Program to quantify the benefits to fishery, addressing oyster population declines in reference to Katrina Cut, and enhancing the oyster industry in 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.

JUSTIFICATION

The project meets Authorized Use #1 because it will provide a range of support towards restoration and management of coastal habitats on public lands. It will include projects and activities that provide data and tools to assist with identifying status and trends, pilot projects to quantify restoration best management practices, identification of oyster habitat areas that have a high potential for sustainability for both the commercial seafood industry as well as the ecological benefit to the coastal environment.

COST SHARING

Cost sharing is not applicable to this project.

PARTNERING

Mobile County will partner with academic institutions and nonprofit entities to implement this project.

BENEFIT TO THE NATURAL COASTAL ENVIRONMENT

The proposed project aims increase the capacity of coastal resource managers and result in improved knowledge and practices to better implement habitat restoration and protection efforts.

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 OF ALABAMA



STATE CAPITOL
MONTGOMERY, ALABAMA 36130

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



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 "Bob Riley".

BR/sl/dw

CC: Mr. M. Barnett Lawley

Appendix B

Transcripts of Comments from November 22, 2010 Public Meeting

Public Information Meeting
**Coastal Impact Assistance Program (CIAP) Plan
Amendment for Fiscal Year 2009 and 2010**

*Monday, November 22, 2010 at 6:00 pm
Five Rivers Alabama's Delta Resource Center, Spanish Fort, Alabama*

Patricia J Powell
State Lands Director
State Lands Division
Alabama Department of Conservation and Natural Resources

Kasey Couture
CIAP Project Officer
Bureau of Ocean Energy Management, Regulation and Enforcement

Will Brantley
State Lands Manager
State Lands Division
Alabama Department of Conservation and Natural Resources

Cal Markert, P.E.
County Engineer
Baldwin County Commission

Bill Melton, P.E.
Environmental Services Director
Mobile County Commission

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2 **Patricia J Powell:** I want to welcome everyone to tonight's public meeting regarding the State
3 of Alabama Draft CIAP Plan Amendment for Fiscal Years 2009 and 2010. I do want to thank
4 everybody for coming out, I know that the weather did not cooperate and traffic did not
5 cooperate, but I really do appreciate the effort. Also, I see some faces that were here for our
6 January 14th meeting kicking off this Plan Amendment, and I want to thank ya'll for being brave
7 enough to come back and not being too bored the first time we all met, so it's really good to see
8 you all here. And I also wanted to tell everyone this meeting was held fairly close to the holiday,
9 we did that because as soon as we were ready to move on this we wanted to move and keep
10 moving as quickly as possible, so I know this is a busy week for everyone, and again we very

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11 much appreciate the effort, you being here, as to our Plan, as to the opportunity to public
12 comment, and thank you for taking time out of your schedule to be here tonight. I would like to
13 just give a special recognition and a note to some of our elected officials who have taken time
14 out of what I know is a very busy time of year for them, I may miss somebody, but who I saw
15 come in, Representative Davis is with us tonight. And I know Representative Ison was...

16 **Representative Randy Davis:** On the way.

17 **Patricia J Powell:** On the way. And then we also have a group of Baldwin County Commission.
18 And from Dauphin Island, we have Mayor Collier and Mary Thompson. And I think
19 Representative Ison... come in. We were just recognizing all of the public officials... elected
20 officials, thank you for making it tonight. I'll quickly go through what the format will be for the
21 meeting, and I guess before I get started, can everybody hear OK? I wasn't here when they tested
22 mics earlier, so, OK. The format for tonight, in just a few minutes I'm going to introduce our
23 panel tonight and then I'll let each of them further introduce themselves individually, they each
24 have a brief presentation, relating to CIAP, and they will come up and present those. After that, I
25 will come back up and we will open up the public comment period for the evening, immediately
26 following those presentations. As to the public comment, we've decided we're not going to put
27 any time limit on comments tonight, but I would ask everyone to be very considerate and know
28 that there may be many people that may want to speak tonight so please say whatever you want
29 to say but try to keep the comments brief if you could, but we'll try to get to everybody. Again,
30 the purpose tonight is covering the 2009 and 2010 CIAP Plan Amendment. I would ask
31 everybody to please limit the comments for tonight to that subject, it's not a general comment
32 session, and we really need to target this issue tonight, so I'd ask for everybody's cooperation on
33 that. And I want to encourage comments though, as we have encouraged program suggestions
34 being submitted in our last January 14th meeting, I want to emphasize, we really do want public
35 participation, public comment on this Draft Plan. There will also be, we will kick off tonight, a
36 thirty (30) day period for written comment. Those will be accepted up until 5:00 p.m., basically

2

37 close of business, 5:00 p.m., December 22nd. So, in addition to that opportunity for written
38 comments, tonight, going through to December 22nd, I want to again emphasize that tonight is
39 the same opportunity, it counts equally, if you comment tonight, that is a public comment, the
40 entire proceeding is being recorded, the transcript from tonight will be submitted with the Plan
41 Amendment, so whatever is said tonight counts as a public comment, so I just want to emphasize
42 that and I just want to remind everybody that everything is being recorded and will be
43 transcribed, if that matters to anybody. Now, what you have with you tonight, what was handed
44 out, you should have gotten two (2) things: one, an agenda. The second document is what we
45 have entitled an *Executive Summary*; it's the two (2) page document that you received. The
46 second page of the *Executive Summary* that is for a list of projects that are further detailed in the
47 full 2009 and 2010 Draft Plan document itself. The full Draft Plan document is available on our
48 website, which you will see noted at the bottom, towards the bottom, in red, on the first page, of
49 the *Executive Summary*. The full Plan is on there; we did not print for distribution tonight, the
50 full Plan, for a couple of reasons, one, it is very much a Draft Plan. It is not final, until all
51 comments that are presented in the thirty (30) day period have been received and reviewed and at
52 which point the final document will be produced after that, so it is draft. Second of all, the full
53 Plan document is over two hundred and fifty (250) pages, so in the interest in of trees and money
54 and again, the fact that it's draft, we did not, did not print out for distribution for tonight that two
55 hundred and fifty (250) page document, but it is available on the website. We went ahead and
56 posted it right before we came in here just to be sure that there were no glitches, so I can tell you
57 that it is available as of now, on that website. So, knowing that, some of you may want to review
58 the full Plan document, recognize that there may be additional public comments, somebody who
59 speaks tonight, again, I encourage you after you review the Plan, if you have a revision to your
60 comment or an additional comment, again, please submit that in writing. We really want you to
61 take the time to have the opportunity to take a look at the Plan before all comments have
62 concluded if you want to do so. OK, I think that is the main point I wanted to hit. I do want to

3

63 say, again, that because tonight is an opportunity for anyone to submit verbally, official public
64 comment, to please keep that in mind, that's what this period is for, limit the comments to CIAP
65 and it's really not, because of the desire to get the office public comments in, it's not so much
66 intended to be a question and answer session, it really is time to present this information and
67 receive public comments on that. I will note, I think we had one more official come in, Tucker
68 Dorsey, Baldwin County Commission. Thank you very much for coming tonight. We
69 appreciate it. OK, I'll now, again, I'll briefly introduce the panel to everybody, I'm going to let
70 them tell more about themselves and embellish however you want whenever you get up here, but
71 first we're very happy to have Kasey Couture with us, she's with the Bureau of Ocean Energy
72 Management, Regulation and Enforcement, that's the agency formerly known as MMS, I'm still
73 working on the new name, we're very much appreciate you taking the time to not only come
74 tonight but to sit on this panel and present. We also have Toni Baldini from the agency also.
75 Next, we have Will Brantley, who's with my division, the State Lands Division, I didn't even
76 introduce myself. I apologize, I'll come back to that, but is with my division, State Lands
77 Division, Department of Conservation. We have Cal Markert, with Baldwin County. We have
78 Bill Melton, with Mobile County. And to back up what I should have done at the beginning I'm
79 Patti Powell. I'm director of the State Lands Division for the Department of Conservation. I am
80 also here on behalf of our Commissioner Barnett Lawley, who presides over the department,
81 which consists of actually five (5) divisions, in addition to State Lands Division; we have State
82 Parks, Wildlife and Freshwater Fisheries Division, Marine Police and Marine Resources. So,
83 those are the five (5) departments, the five (5) divisions that comprise our department. With that,
84 I'm going to turn it over to the panel for their presentations and I will come back up after that
85 and we will initiate the public comments. So, Kasey, you can come on up.

86 **Kasey Couture:** Thank you Patti and everyone on the panel for having us here tonight, we
87 appreciate the opportunity to come and speak about CIAP. I'd just like to ask, if you wouldn't
88 mind, holding all your questions till the end, if possible, it is a kind of lengthy presentation, but

4

89 I'll try to get through it pretty quick. Like Patti said, my name is Kasey Couture, I'm a Project
90 Officer, with CIAP, our prime office is in New Orleans and I can't say I'm fairly new anymore
91 I've been with CIAP a couple of years now, but we use to be the former MMS, as Patti
92 mentioned and I'm still trying to learn our new name. Just let me know if anybody has trouble
93 hearing me and I will try to speak up. I'm going to go over the Coastal Impact Assistance
94 Program, otherwise known as CIAP, was created by the Energy and Policy Act of 2005. The
95 Secretary of the Interior delegated authority and responsibility to the former MMS, which I'm
96 going to refer to as BOEMRE. At that time, the mandate said that we were to disperse via the
97 non-competitive grant process \$250 million for each fiscal year, '07 through '10, to six (6)
98 eligible producing states and sixty-seven (67) Coastal Political Subdivisions, otherwise known as
99 CPS's. You can see all of the eligible states listed here: Alaska, Alabama, California, Louisiana,
100 Mississippi, Texas and then the corresponding Coastal Political Subdivisions within the states.
101 CIAP is a two phase process. I just wanted to emphasize that it is a noncompetitive grant
102 program. The first phase being the actual Plan itself, which everyone is here to comment on
103 today. Once an approved Plan comes across our desk, at that point, we look for grant
104 applications, which is the second phase of the program. Funds are not actually disbursed until
105 the Plan is approved and a grant is submitted, a grant application. Once a Plan is approved, it
106 does not mean that the approval process is over; we still have to go through the grant application
107 process for each individual project. These are the breakdown of Alabama's allocations for 2007
108 through 2010, for the State, including Baldwin and Mobile. The mandate said that we were to
109 disperse a minimum of 1% (\$2.5M) to each State: 65% to State; 35% to CPS's. Those
110 allocations are based on qualified OCS revenues, this is a formula that's applied to all the State's
111 and CPS's to come up with the figures. The '07 and '08 allocation money is actually based on
112 the '06 qualified OCS's, and the '09 and '10 allocations are based on the '08 OCS's. The CIAP
113 Program does not require recipients to cost share or match CIAP funds. It doesn't mean that it
114 hasn't happened, we just don't require it. BOEMRE is neutral on the issue. If, for some reason,

5

115 the State or CPS's would like to use CIAP funds as a match they are required to contact the
116 requiring agency for a determination letter if it is acceptable to use CIAP funds as a match, and
117 provide the agency determination letter with the Grant application with that particular project.
118 We have had a few projects... *(not understandable)*... and LCA that were successful in this,
119 using CIAP money as match. I'm going to quickly go through the five (5) Authorized Uses. This
120 is what projects are either approved or disapproved based on, if they fit based within one (1) of
121 these categories. The first one is: projects and activities for the conservation, protection, or
122 restoration of coastal areas, including wetland. These are projects or activities that directly or
123 indirectly benefit natural coastal environment. Particular categories of potential projects may be
124 considered if they are included in direct or indirect links to the natural coastal environment, such
125 as public access to natural and coastal marine environment, public recreation, cultural and
126 archeological restoration, protection and education. These are just some examples of an AU1.
127 As long as the State or CPS can demonstrate that the proposed project directly or indirectly
128 benefits the coast, then it's approved as an AU1. An AU2 is mitigation of damage to fish,
129 wildlife, or natural resources. Under the AU2, the State must demonstrate how the project
130 mitigates the damage to fish, wildlife, or natural resources. So, the creation of an artificial reef is
131 an example of an AU2. An AU3 is planning assistance and the administrative cost of complying
132 with CIAP. This is basically the cost to prepare the actual Plans and grant applications, it does
133 not include administrative cost directly associated with a project, so it's not for the project
134 manager's cost for overseeing that particular, but for the overall CIAP administration costs. This
135 could be travel expenses to manage the Plan and Plan development, to project sites, copying cost,
136 publication cost, public meetings and notices. These are just some examples of AU3. An AU4
137 is implementation of a federally-approved marine, coastal, or comprehensive conservation
138 management plan. Under the AU4, projects and activities that directly benefit the natural coastal
139 environment and that are consistent with the goals of a federally approved Plan are acceptable
140 under AU4. So for each federally approved comprehensive Plan, that's referenced, the State

6

141 must provide a copy of that Plan; demonstrate that the reference Plan is federally approved; and
142 have that Plan meet the definition of an AU4. So, some examples of this would be coastal Zone
143 Management Plan and Coastal Estuarine Land Conservation Program Plan. Under AU4 they
144 must justify how the project meets the referenced Plans goals and objectives, include the citation
145 (including the page number and the paragraph) with the above goals and objectives; and how that
146 benefits the natural coastal environment. An AU5 mitigation of the impact of OCS activities
147 through funding of onshore infrastructure and public service needs. Infrastructure means public
148 facilities and systems needed to support commerce and economic development under an AU5; it
149 may include such things as buildings, roads, trails, parks, bridges, utility lines, waist water
150 treatment facilities, break waters, piers, and port facilities. Funding of infrastructure projects
151 encompasses land acquisition, new construction, upgrades to existing facilities, but does not
152 include maintenance and operation costs. If it's consistent with an Authorized Use, land
153 acquisition and construction of infrastructure may also occur under an AU1, 2 or 4. So, a little
154 bit more about our process, now that I've gone through all of the Authorized Uses and how each
155 project should fit under one of those Authorized Uses. The Coastal Impact Assistance Plan, in
156 coordination with the State's and the CPS's, must be submitted for approval by July 1, 2008.
157 This was a part of the mandate. Alabama did this under their '07 and '08 Plan that was approved
158 back in April of 2009. It covered the FY '07 and FY '08 money and then obviously this is the
159 second step for the '09 and the '10 which we're hoping to get our first chance to review in
160 January of 2011. The Plan components consist of, they do need a designated State and CPS
161 contact information, the Governor's Certification of Public Participation, Coordination with
162 Other Resources and Programs, Implementation Program (their goals and objectives, how they
163 selected the projects, how they're compliant with any relevant laws), Proposed Project Lists –
164 Tier One (1) (priority projects) and Tier Two (2) (back-up projects should any Tier One (1)
165 projects not go through), the Plan also includes Financial Tables (estimated costs, total and by
166 year) and Proposed Project Descriptions for each individual project, which should include a brief

7

167 summary, goals and measurable objectives, Authorized Use consistency and cost share
168 acknowledgement. As far as the review process goes, once the State submits the Plan to us, we
169 have ninety (90) days to approve or disapprove the Plan. The first sixty (60) days is spent in our
170 office reviewing each and every project and insuring that all the Plan components are there and
171 in compliance and the last thirty (30) days is used to sign off on the actual Plan in house. If a
172 Plan is not complete or adequate, we will send back comments to the State and work with them
173 to revise. They have one opportunity to re-submit, so if there is something that we feel does not
174 meet an authorized use we'll go back to them and have them have one more opportunity to revise
175 and re-submit it. If we still feel like it does not meet an Authorized Use or a financial
176 compliance we have the option of going to an Executive Review Panel, which is consistent of
177 higher level regional and headquarter representatives within BOEMRE, at that time, they will
178 review it and make a final decision on the project. So, once the State re-submits it that one time,
179 we will either go forward with the approval or the disapproval of those projects. I just want to
180 note here that we never disapproved an entire Plan in any of our States, or an Amendment that's
181 come across, so just because we may not feel that one project doesn't meet an Authorized Use or
182 financial compliance, doesn't mean that we will disapprove an entire Plan. That project may
183 have to be removed and re-submitted at a later time. This brings us to modifications to the
184 approved State Plan. I was talking with Cara earlier and she was hoping that this was going to be
185 our last time coming through and I hope for the same, but sometime modifications do need to be
186 made to the State Plan and there are two ways to go about it. It can either be considered a
187 change to the approved Plan or to a project within the approved Plan or it can fall under what we
188 are calling Amendments to the approved Plan. Changes to the approved Plan are considered
189 modifications to the Plan and a change if the change does not affect the overall scope or
190 objective of the Plan. So these are things like contact information, phone numbers, that's what
191 we're considering a change to the approved Plan. This has nothing to do with projects. If there
192 is a need to change a project in the approved Plan, a modification to the project can be done at

8

193 the grant stage as long as it still complies with the original intent of the project as stated in the
194 approved Plan. The modification, on the modified description, should comport with the original
195 project description to the extent it remains recognizable as, and is still covered by, the
196 Governor's Certification of Public Participation. So, once the approved Plan comes across and
197 the State or CPS feels that there is a slight change to it but it doesn't effect the overall objective
198 of the project, then they would submit that change to us at the time of the grant application and
199 we would determine if it still fits under an AU and if it's still within financial compliance.
200 Amendments to the approved Plan are any thing that does not meet the two above criteria that I
201 just talked about. So, if there are other projects that were not in the approved Plan they can be
202 submitted at a later time, under a Plan Amendment. Amendments to the approved Plan must
203 follow the submittal process for a Plan (including the public participation requirement). It can be
204 submitted through the State to both the National CIAP Coordinator and Regional CIAP
205 Representative, that's headquarters and New Orleans (1 hard copy and 1 CD). All relevant
206 revisions to the Plan and project components, including new project description, should be
207 included in that Plan Amendment. In the Appendix, we also need to see all the new projects
208 listed and identified and all associated projects and financial changes. And in the tables, show
209 compliance with FY allocation and the 23% limit. Amendments can be submitted six (6) months
210 after the Plan approval, so once this comes to us and we have ninety (90) days to approve it, at
211 that point, normally we would have six (6) months, Alabama would have to wait six (6) months,
212 to submit another Plan Amendment. This is done to spread out all the work load we have in our
213 office, amongst all the other State and CPS's that submit Amendments. However, once a State
214 has a four year Plan approved this time goes down to three (3) months, so they could actually
215 submit another Amendment three (3) months following the approval of this one. The review and
216 approval process for the Amendment to the approved Plan is the same as it is for a Plan. It still
217 needs to go through the public review comments period and if that is approved, the State and
218 CPS's are eligible to submit grants and applications for projects in that Plan Amendment. If it's

9

219 disapproved, then obviously, those projects can be submitted at a later time in a new
220 Amendment. All Amendments are due by December 31, 2012. This is a new date for our
221 program, it use to be December 31, 2010, so we just extended to program by two (2) years, for
222 the Plan approval. Any changes to the approved Plan do not require public participation. Once
223 again, this is the process, where as, they feel like the project is still the same project that was
224 covered under the first Plan and already went through public comment. However, it does need to
225 be submitted annual Administrative Plan, just to keep us up to speed with all the current changes
226 to each project, to have on file. Changes that effect real-time contact and communications
227 should be provided to us at the time at the time that it occurred. Changes to a project in the
228 approved Plan does not require public participation, it can be submitted in the grant application.
229 It does require the assurance statement that state that it complies with the original intent of the
230 project, as stated in the approved Plan. The changes to this project should be listed under section
231 11of the grant application process in the Project Narrative and explain that it is still within
232 financial compliance. Review and approval at the regional level during the application process
233 may require some comments or revisions and a lot more back and forth, so that could possibly
234 increase the review time of the grant application. Lastly, I'm going to talk about the
235 Administrative State Plan. Each State is required to submit that Administrative Plan once a year
236 incorporating all approved project changes, approved Plan Amendments, and proposed Plan
237 changes. These should be submitted through the State to both the National Coordinator and
238 Regional Representative. And in the appendix it should also list all projects and all financial
239 changes; including explanations of those changes. In the tables, they also need to show
240 compliance with FY allocation and the 23% limit. The Alabama Administrative Plan is due in
241 January, which is close to the same date that we're anticipating the next Plan for '09 and '10.
242 So, that is just to keep us with the most current version of the Plan, in house, in case we get any
243 congressional headquarter inquiries. And that's all I have. If you have any questions, I'll be
244 happy to take those.

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245 **Will Brantley:** I think we're going to hold those until the end. We're not doing questions at the
246 moment.

247 **Kasey Couture:** OK. Alright then, this is my bosses contact information, if you have anything
248 further you'd like to know about the program, and we'll say a little bit afterwards also, if you
249 have anything you'd like to discuss. Thank you very much.

250 **Will Brantley:** OK, first of all, I want to thank everybody for coming out here tonight. I know
251 it's kind of not pretty weather, but we appreciate you coming. I recognize a number of faces in
252 the crowd from the last meeting we had in January and there have been lots of public meetings
253 recently, so I've seen lots of similar people, from all of those as well, but we appreciate you
254 being here. As Patti said, we're here tonight to talk about the Plan Amendment for the State of
255 Alabama Coastal Impact Assistance Program Plan. In reality this is just what we call, internally,
256 the second Plan. We had two (2)... four (4) years of allocations, there's '07 and '08, we did a
257 Plan for that, as Kasey explained, we are officially amending that Plan to dump in the '09 and
258 '10 allocations and complete the project lists. So, that's what we're here tonight, to present this,
259 to you guys. Just a little bit of background, this was a program which was initiated by Congress
260 in 2005, but it is not the first CIAP program in the State of Alabama. The CIAP actually began
261 about 10 years ago through another federal agency, NOAA, Department of Commerce ran a
262 Coastal Impact Program, and we administered that program as well. But since 2005, we've been
263 working with this program with Kasey's group, the Department of the Interior, and we don't
264 work alone, we work in conjunction with two coastal counties. We find ourselves, from a
265 geographic standpoint, very happy, that we have two (2) counties, you know, the state of Texas
266 has nineteen (19) counties or something, but we, I think our relative small geographic size and
267 small number of counties creates just a great working relationship with our county partners, and
268 we appreciate that. Basically what we do in the CIAP program is develop Plan and Plan
269 Amendments and ultimately want to get to implementation of those various projects. I'm really
270 not going to dwell on this, to not be redundant, but just suffice it to say that there are five (5)

11

271 Authorized Uses the way Congress has mandated the money could be spent with this program.
272 From a time line standpoint, we submitted our initial draft Plan to the MMS, for their review,
273 back in February of 2008; it received approval in April 2009. Moving forward, we, the last time
274 we were together with you guys back in January, we officially kicked off the development phase
275 and public input phase for this current version of the Coastal Impact Assistance Program Plan.
276 So we had the public meeting, I think, on January 14th, is that right? And we solicited public
277 input and comment and we also requested people submit us program suggestions. We had
278 provided a template at that time that sort of laid out the information we were seeking and looking
279 for the various program suggestions and of course, here we are today releasing the Draft Plan
280 Amendment for a thirty (30) day public comment period. In terms of statistics, associated with
281 this, we had an extremely robust response to the call for program suggestions. The State of
282 Alabama received sixty-two (62) suggestions, at approximately \$93 million, so in round
283 numbers, about four (4) times the amount of money that was actually available through the
284 congressional allocation. I think I should note here, if you are reviewing the list, and as you later
285 go on-line and download this and read through the document that I just want to draw a
286 distinction about program suggestions. We were seeking input and ideas from you guys and
287 anybody who wanted to submit it, but that didn't necessarily translate into a particular project
288 that might end up in the Plan, in other words, somebody gave us a suggestion for land
289 acquisition, well, we like land acquisition, so that, whether that particular program suggestion
290 made it in there or not, you know, it just depended, but I wanted to draw that distinction, because
291 there are State procurement procedures and things that we will have to follow as we get into
292 implementation phase. So, just because someone submitted a program suggestion, and even if it
293 was included in the Plan, there is no assurance that that entity or that individual or whatever will
294 be sort of in charge of responsible for that project, we've got to go through our normal usual
295 procurement procedures, but I just threw that out there, I just want to mention that to say that
296 there's not a, there wasn't a one-to-one translation between program suggestions and what ended

12

297 up in the Plan. And the suggestions came from a diversity of interest, everybody from individual
298 citizens to municipal governments, to unincorporated areas, to NGO's, just a whole wide variety
299 of academic institutions. And they cover large issue areas; land acquisition, restoration, research,
300 infrastructure needs. So, we got a robust list. We ended up, for the State's portion, let me be
301 clear, I am speaking only for the State of Alabama's portion of the CIAP, Cal and Bill will get up
302 and speak for theirs, for the State's portion, we ended up with thirteen (13) Tier One (1) projects
303 and fourteen (14) Tier Two (2) projects; those projects will then be added to our existing Plan
304 along with the ... *(coughing in background...not understandable)*... and that will form our
305 overall State of Alabama CIAP Plan. Just having the benefit of going through this process
306 previously, we are utilizing and most of the, many of the program suggestions and ideas we got
307 from the public reflected this, we have used a lot of Authorized Use #1. We have found that to
308 be the best Authorized Use to gain approval for projects, so that is the justification we are using
309 for most of, many of the projects in the Plan, and we will, of course be accepting comments
310 tonight and the future thirty (30) days, and those comments will be, we're making transcripts of
311 this and that will become an official part of the record as will any written comment that we
312 receive. Just to give you a, just a very brief snap shot of some projects, this is actually an
313 example of a project that was a part of our '07/'08 Plan, whereby we've instituted some
314 educational efforts at our Gulf State Park Pier and the work is actually underway now, so it's just
315 an example of a project that is being implemented. Now we are in the process of implementing a
316 number of those projects from the '07/'08 Plan. From a habitat restoration snap shot, I think
317 everybody here has heard of this Island Apple Snail that cropped up in the Three Mile Creek
318 Watershed, that was an important thing for this agency to look at and we included that in this
319 current Plan. Land acquisitions is very important in the State of Alabama, we've got the
320 acquisition of Live Oak Landing project, which we're actually partnering with Baldwin County
321 on that project as well. So, what we are seeking tonight is input from you guys, but here this
322 evening and/or by written comment by close of business on December 22nd and I think this

13

323 address, please note this address, we want you to submit your written comments to this address
324 here on the screen, so I'll leave this up for a moment, and we can certainly make it available after
325 the...

326 **Patricia J. Powell:** And isn't it available on the website?

327 **Will Brantley:** Yes. I'm sorry. Thank you, Cara. We do have a website,
328 www.alabamaciap.com.

329 **Patricia J. Powell:** It's on the first page of the *Executive Summary*.

330 **Will Brantley:** Yes. And I'm hearing it's all over the place. So, if you go to the website, you'll
331 see this address, but we're seeking that information by December 22nd. And just briefly looking
332 ahead, kind of the next steps for us, we will, once the comment period is over, once the
333 comments have been addressed and incorporated, we will submit the Plan into Kasey's
334 organization for review and approval. Once that step occurs we will begin the process of
335 preparing grant applications and then submitting those. Now, we will likely go ahead and try to
336 get a jump on preparing and submitting grant applications, so there may be entities in this
337 audience associated with some of these projects on our list and we may approach some of ya'll
338 before this, before we get Plan approval, to begin putting together some of the basic information
339 for the grant. In short, the grant phase requires a lot of detail, much more particulars of the
340 project, and we're going to have all that pulled together prior to submitting grants. We'll likely
341 be working with a number of ya'll in the audience to forward some of these projects. And then
342 of course, once we get the grants awarded, we will go straight to implementation and get to the
343 real work of this program. And that was what I had; I'm going to turn it over to Cal.

344 **Cal Markert:** Thank you, Mr. Brantley. Good afternoon. I need some coffee. I've got two
345 good bits of information, good news, there's a very good football game on this Friday, I'm
346 looking forward to and my presentation is very short and quick. So, I'm very excited about both
347 of those, but my name is Cal Markert, I'm the County Engineer, I work for the Baldwin County
348 Commission, and the Commission has put together these projects and I'm here to show you a

14

349 quick overview of what they've got. And thanks Mr. Brantley and all ya'll, for what you do to
350 facilitate this process. We have six (6) Tier One (1) projects, the majority or the biggest projects
351 for the county are wetland protection, and our second favorite project is probably acquisition of
352 Live Oak Landing, we're really looking forward to that project. Also working with the Dauphin
353 Island Sea Lab on some restoration projects. There's thirty (30) acres on the west bank of the
354 Fish River we're looking to do an educational project where as we're doing some environmental
355 work and use it to teach school children about the environment. And then Ashley Campbell's
356 here from Daphne, where we're working with the D'Olive Creek Watershed, which needs some
357 work within our administration. So, the wetland and waterway protection has been very
358 successful for the county, we have applied for that again, were as we try to stop erosion from
359 getting into the wetlands and our waterways and we look forward to continuing that good
360 project. As Mr. Brantley mentioned, we're partnering with the State to purchase Live Oak
361 Landing, that's very dear and near to a lot of our hearts and the north part of Baldwin County.
362 And D'Olive Creek Watershed needs some help, it's a high growth area, there are some
363 tributaries to D'Olive Creek that we're working with Daphne to do some restoration to stop
364 sediment load from getting into the waterways and restore the creek. Then Dauphin Island Sea
365 Lab is working to restore some sea grass, also doing shoreline protection and salt marsh
366 restoration, as well as some oyster reef protection zones. So, that's my presentation. Next, is
367 Mr. Bill Melton, from Mobile County.

368 **Bill Melton:** Thank you, Cal. And nobody is smiling anymore; it's been a long day. I'm going
369 to do like Cal did, because there is one last piece of good news, and if you'd look at your agenda,
370 you'll notice I'm the last speaker tonight, take that for what that's worth. I'm Bill Melton, I'm
371 here from Mobile County Commission, I serve as their Environmental Director, and I'm going to
372 tell you a little bit, just very briefly, about what Mobile County intends to do, what their focus is;
373 and as in the last program, the initial Plan, Mobile Counties focus has been with the
374 conservation, protection and restoration of coastal resources and we want to continue that in this

15

375 Amendment. Our Plan is kind of designed to put more emphasis and keep that focus on the
376 conservation, protection and restoration ideas. Mobile County has one (1) new Tier One (1)
377 project; there are three (3) new Tier Two (2) projects. There are five (5) projects that were
378 existing projects in the plan that we have revised and actually extended the scope, and as the
379 State did in their Plan, Mobile County has put their focus on Authorized Use #1. And again,
380 those activities are the conservation, protection and restoration of coastal areas, including
381 wetlands. So, conservation is a major emphasis for the county, so we spent some time in the last
382 Plan acquiring a number of acres, there's a parcel on Dauphin Island, we hope to close pretty
383 soon. We purchased some acreage, it's been about \$2.8 million, in the '07 and '08 funds, and we
384 want to continue that effort and try to acquire some habitat for conservation purposes, and that's
385 going to remain a key element for Mobile County in this next CIAP Amendment. Water quality
386 protection is kind of a new item for our Plan, there has been some effort in developing
387 wastewater treatment facilities on the north part of the county, so the commission supports the
388 wastewater ideas, and they're hard and know how much it's needed in the county. But in
389 addition to that, we understand our problems with stormwater runoff, we don't have a lot of base
390 line data, management plans are sort of limited in an area where we have permits associated with
391 subject, but throughout the county there's a real lack of information, we need to put together
392 some stormwater management planning, we're going to take on one new project to do that.
393 Restoration, that's another one of the Authorized Use #1 items the county is trying to do, so we
394 intend to improve or restore a number of county owned properties, includes stream corridors, we
395 have some wetlands, we want to remove some exotic species and invasive, do some shoreline
396 restoration and some protective items of that nature. You'll see this list is what we intend to do
397 with Tier One (1), so we have all but number fourteen (14) are existing programs, but we've
398 added additional scope to, so that last item is that stormwater management program we intend to
399 take on. We added three (3) projects to Tier Two (2) lists, landfill gas analysis; we've got
400 some... *(coughing in background...not understandable)* landfills we want to take a look at those,

16

401 want to keep those on... *(coughing in background... not understandable)* as a Tier Two (2) item,
402 some household hazard waste collections and habitat restoration on public lands. Those included
403 the comments that we received, public comments, after we unveiled this Plan to start with, so we
404 made a serious effort to place everyone's comments into our Plan. And that's my contact
405 information, so if anybody's got any particular comments they want to send in writing, or please
406 use this information to get to me. And that will conclude my presentation and I will turn it over
407 to Patti. Thank you very much.

408 **Patricia J Powell:** Thanks Bill. And, again, I want to thank you and Cal, for taking some time
409 to present the counties perspective, and Kasey, again, for time, the Federal perspective. It really
410 is so helpful to have you here, I think it really adds, it helps everybody understand the process,
411 and we really appreciate your time. OK, we'd now like to officially move to the public comment
412 portion, for those of you who signed up for public comment that's where we'll begin. When I
413 call your name, you're welcome to come to either microphone, and you might state your name
414 again. First, I've got Mayor Collier.

415 **Mayor Jeff Collier (Dauphin Island):** Thank you, Patti. I appreciate it, and I appreciate the
416 opportunity to be here today as Mayor of the Town of Dauphin Island, I want to thank, both
417 Governor Riley, Commissioner Lawley, Patti, you, Will, everybody at the head table, for the
418 entire process, and I'll just say that's it's quite refreshing to see that Dauphin Island has made it
419 on the list. I will say that, also, thanks to, special thanks, I should say to Representative Spencer
420 Collier, for his effort on leading the way on behalf of all south Mobile counties that relates to
421 CIAP program, I know you all have a heavy task to deal with, when you are asked for four times
422 as much money as you have, I recognize that's a situation. I also think that ultimately, we need
423 to ultimately go back to what CIAP is all about and put those dollars into the areas where it's
424 intended to do so, and I think you've done a much better job at that this time around. Speaking
425 of such, I'll say that Dauphin Island is a barrier island, being surrounded by the oil and gas
426 industry, we're on the front line, in fact we're totally circled by the stuff, in fact, we've had three

17

427 (3) leaks; one (1) in 2006, we had a leak that released some of the H2S, we actually had some of
428 the people on the east end of the island who were directly impacted, and ended up having to go
429 to the doctor, having some treatment done. Post oil spill this year, I think it was around June,
430 there was another leak, that probably nobody really heard about, but there was a leak that
431 actually happened out near Sand Island Light House, where we had another leak, and it was sort
432 of handled very quietly, it was noticed by a Coast Guard helicopter, otherwise it wouldn't have
433 been known. We also had, yet another leak just last week, again, probably hardly anybody even
434 knew about it, but that was at the, where the pipes come ashore over near Coden. So those three
435 (3) instances, I think, point to the impacts that we have, and I think that's what CIAP, in my
436 mind, is all about, is dealing with the impacts with the oil and gas industry, and we certainly
437 have a lot of those. I think, I'll say also, to the role of Dauphin Island, as a barrier island, we
438 need to recognize the impacts, I think nothing more plainly showed that than we did with the oil
439 spill this year, we recognize that in past years when you have hurricanes and tropical storms,
440 once again, Dauphin Island is on the frontline. We're there to take the full brunt of whatever it is
441 that nature or in this case the oil spill, man, has to throw at it. But Dauphin Island can only do
442 the job that it's able to do, and able to do meaning how stable, how substantial the island is itself,
443 we all know the history of the island, there's been a lot of erosion over the past years, again with
444 hurricanes and the like, we need to continue to invest in that so that Dauphin Island is a barrier
445 island can continue to provide the roll that it has to play for all of the south Mobile county
446 region, from the Mississippi line to the Mobile Bay, that whole area. As I touched on also, with
447 oil spill, I think one other positive things that's come out of the oil spill at this particular time, if
448 you can find one, I think it has brought a heightened awareness of the importance of the Gulf
449 Coast communities, the Gulf itself, the environment, the economy, all the things that go along
450 with that, I think that it has created a whole new awakening of not only those of us who live
451 along the coast, but more importantly people who live throughout the country, to understand how
452 the Gulf of Mexico and the local economy and local environment has impacts on people

18

453 throughout the country, whether they live here or visit here or neither. So, I think that that is the
454 one thing that has been positive out of this; it has shown the importance of the Gulf Coast region
455 to people well outside of the Gulf Coast itself, even around the world. I think that is a positive
456 thing, we need to feed off of that, and that's one other opportunity, I look at this as a good start,
457 you know, this is a good start to get us on the road to where we need to be. It's well short of
458 where we ultimately need to be as far as a coastal community, as far as a coastal county goes, but
459 you know, we only had so many dollars to deal with. I think as we go forward, I'll say two (2)
460 other things, and then I'll sit down, first of all, I think I look forward to working with the
461 commission, working with the efforts to further our cause of the areas along side Mobile counties
462 as well as Dauphin Island proper, but I think we also have another opportunity as we recover
463 from the oil spill itself, and the Coastal Recovery Commission and those particular efforts as we
464 move down that road maybe we can somehow find a way to couple those assets and those
465 resources with what we brought to the table here today to do a lot of good thing for an area that
466 really needs it, in this time of need. So, with that, I will say Thank you, on behalf of the Town of
467 Dauphin Island, on behalf of our town council, of all the people who not only own property
468 there, but the many hundreds and thousands of people who like to come there and enjoy all the
469 resources that we have: the environmental, the recreational, the cultural, all of the things that
470 Dauphin Island has to offer, that so many people, including some of us who live there, take for
471 granted. Thank you greatly.

472 **Patricia J. Powell:** Thank you, Mayor Collier. Next, is Avery Bates.

473 **Avery Bates (Organized Seafood Association of Alabama):** I'm going to... (*not*
474 *understandable*)

475 **Patricia J. Powell:** I'm sorry sir.

476 **Avery Bates (Organized Seafood Association of Alabama):** I'll catch you in the writing part
477 of it.

478 **Patricia J. Powell:** OK. That's fine. Thank you. OK, next on the list is Lynn Bozone. I hope I
479 said that close to correct.

480 **Lynn Bozone (Friends of Tensaw/Stockton Heritage Association):** You did. I would just like
481 to thank the panel, and all of ya'll for the hard work you do. You probably are well under paid,
482 but we do, Stockton, appreciate the consideration you gave to the Live Oak project and there are
483 people who I know put in a lot of hard work trying to get that passed and get their ideas... so I'd
484 like to thank them to. Thank you so much.

485 **Patricia J Powell:** Thank you. That was all that we had who actually signed up for comment. I
486 will offer the opportunity, at this time, if somebody would like, everybody stay seated for a
487 second, anybody who would like to make a comment, I know everybody is probably ready to go,
488 but if you would like to make a comment, I would just ask that you come up at this time. Cara
489 has some blank forms; we do need to record names of comments, and so let me ask, is there
490 anyone, anybody who would like to make a comment, that didn't sign up for... I don't see
491 anybody. Do you see anyone raising their hands? OK. Do ya'll have anything before we close
492 out? Alright, again, I just want to remind everybody, the period for comments extends through
493 December 22nd at 5 p.m. If you mail anything, it must be received; it is the individual
494 commenter's responsibility to be sure that it is actually received at that address before 5 p.m. I
495 would just like to take a moment to thank my staff, from the State Lands Division, in addition to
496 Will, Cara Stallman and Betty McArthur have really carried the burden of pulling this two
497 hundred and fifty (250) plus page Plan document together, we have, everybody else has been so
498 overwhelmed with trying to fulfill our duties with relation to the oil spill that we have not been
499 much help at all, so I want to thank very much, Cara and Betty, you have done a masterful job,
500 and I appreciate it. We will be around afterwards, if anybody would like to come up and talk
501 with us, but again, thank you for coming out in bad weather and bad traffic, I very much
502 appreciate the participation. Thank you.

503

20

Appendix C

Summary of Public comments Received on Draft CIAP Plan Amendment for FY 2009 and FY 2010

McArthur, Betty

From: william turner [turner802004@yahoo.com]

Sent: Monday, December 13, 2010 5:04 PM

To: DCNR CIAP; DCNR CIAP

Subject: Mobile- Tensaw Delta of Alabama with a focus on the Alabama red-bellied turtle

dear madam or sir,

i am writing this email in support of Jim Godwin's research opportunity of the Alabama red-bellied turtle.

will turner

12/14/2010

McArthur, Betty

From: David Nelson [DNelson@usouthal.edu]
Sent: Wednesday, December 15, 2010 12:09 PM
To: DCNR CIAP
Subject: Freshwater Turtle Research

Alabama CIAP Personnel,

I am writing in support of the proposal to study freshwater turtles in the Mobile-Tensaw Delta of Alabama, including the Alabama red-bellied turtle (*Pseudemys alabamensis*). It is quite important to assess the status of demographic trends within this federally endangered species, which some herpetologists believe has been declining in recent years. However, we do not know the statuses of most of our native fresh-water turtles, which in this country are centered in the Southeastern United States. This significant "hotspot" of fresh-water turtle biodiversity is certainly in need of more more focused research. Please consider funding this worthy research topic. Thank you.

Sincerely,

David H. Nelson, Ph.D.
Associate Professor Emeritus
Department of Biology
University of South Alabama
Mobile, AL 36688
251-460-6331
dnelson@usouthal.edu

12/15/2010

1881
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Shaping Lives - Building Futures



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877-720-5600
Fax (770) 720-5602
www.reinhardt.edu

Alabama Department of Conservation and Natural Resources
State Lands Division
31115 Five Rivers Boulevard
Spanish Fort, AL 36527

December 13, 2010

To Whom It May Concern:

As I know you are well aware, coastal areas along the Gulf of Mexico contain an unproportionally high amount of biological resources, resources that, as shown by this spring's Deep Horizon spill, are constantly under threat. One often overlooked segment of this biodiversity is the freshwater turtle fauna. The Mobile-Tensaw River Delta contains what is among the most diverse freshwater turtle communities in the world. It has recently come to my attention that a project titled "Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama" is being considered for funding under the US federal Coastal Impact Assistance Program (CIAP). I am writing in support of this worthy project. The freshwater turtles of this region, particularly the federally-protected Alabama red-bellied turtle remain woefully understudied despite protection. The proposed study would go a long way toward gathering the type of information needed to inform adequate, wise, and efficient protection of this community. Mr. Jim Godwin is an excellent field biologist and researcher. This project warrants careful consideration.

Thank you for your time,

Zach Felix, Ph.D.

Reinhardt University
Biology Department
7300 Reinhardt Circle
Waleska, GA 30183

Ruffner Mountain



NATURE CENTER

Ruffner Mountain Nature Center is Alabama's oldest nature center and we are members and in support of several regional conservation groups such as ALAPARC, Alabama Plant Conservation Alliance, Freshwater Land Trust, Black Warrior River Keeper, among others. We are writing in support of Jim Godwin's project on the freshwater turtles of the Mobile-Tensaw Delta of Alabama with a focus on the Alabama red-bellied turtle as part of the "Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama" which has been submitted to CIAP program. We are in strong support of any research into assessing such a unique resource that is not only locally but globally significant. Especially of species that are unique to Alabama and the potential to protect Alabama's high chelonian biodiversity.

Sincerely,

Ruffner Mountain Nature Center Staff
1214 81st S. Birmingham, AL 35206

Robbie Fearn
Executive Director

Nick Bieser
Conservation Land Manager

Shasha McCracken
Education Coordinator



1214 81st Street South Birmingham, AL 35206 - (205) 833-8264 Phone - (205) 836-3960 Fax
www.ruffnermountain.org
Ruffner Mountain Nature Center is a 501(c)(3) Nonprofit Organization

McArthur, Betty

From: Martin Schulman [mschulman@juno.com]

Sent: Sunday, December 19, 2010 6:23 AM

To: DCNR CIAP

Cc: jgodwin@alnhp.org

Subject: freshwater turtle proposal

Jim Godwin advises he is submitting a proposal for a really exciting study of the chelonian demographic trends in the Mobile Delta.

I heartily agree that such a study is highly desirable, **even more so following the Deep Horizon event(s)**.

As a concerned "citizen scientist", I urge your support for this proposal which will help Alabama deal with the truly rich turtle diversity that is our state's natural heritage.

12/20/2010

McArthur, Betty

From: Andrew Cantrell [andrew.w.cantrell@gmail.com]
Sent: Monday, December 20, 2010 12:06 PM
To: DCNR CIAP
Subject: AL2-17 public comment
Attachments: AL2-17 support.doc

To Whom It May Concern,

Attached is a letter of my public support for the AL2-17 to be included in the CIAP.

Thank you,

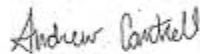
Andrew Cantrell

12/20/2010

Dear Alabama's CIAP Administrators,

I am writing to support the Project Title "Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama", Project Number AL2-17. I particularly support the portion concerning the Freshwater Turtles, but since this project merges the manatee research due to similar issues I believe this project should be funded. This project outlines the serious need to monitor the populations in the Mobile-Tensaw Delta area. It is a hotspot for our native turtles, many of which are endangered or state protected. Such research is crucial to conserve our native species from becoming extinct. It would be a great shame if these species became extinct and later to find out that a project that could help preserve these species was denied. All our native species are enduring several threats such as our fast expanding human population, which in turn increases urbanization and pollution. This research is more severely needed now especially after the oil-spill disaster, in which we know very little to the effects this spill has had on our wildlife both in the present and in the future. I urge you to please review AL2-17 very carefully and keep in mind the importance it bears and the consequences that could come about if denied. I always urge our officials and administrators to help keep the "life" in "wildlife". As a native born and raised Alabamian I feel privileged to live in such an area of great wildlife diversity. Please help in keeping our great state a hotspot for these species.

Thank you,



Andrew Cantrell
1021 Clinton Ave
Huntsville, AL 35801

MOBILE COUNTY WATER, SEWER AND FIRE PROTECTION AUTHORITY

Phone: 653-7346
Fax: 653-7425

5780 Theodore Dawes Rd. • P.O. Box 489
Theodore, Alabama 36590



BOARD MEMBERS
GEORGE CALLAHAN
JIMMY ODOM
PRESTON SMITH
JIM WHITE
MARGARET WILCOX

December 17, 2010

Commissioner Barnett Lawley
Alabama Department of Conservation and Natural Resources
State Lands Division
31115 Five Rivers Boulevard
Spanish Fort, AL 36527

RE: Written comment submitted by the Mobile County Water Sewer and Fire Protection Authority for FY 2009 and 2010 Draft CIAP Plan Amendment

Dear Commissioner Lawley:

The Mobile County Water Sewer and Fire Protection Authority (MCWSFPA) would like to applaud you and your staff for including Project AL-27 titled "Wastewater Facilities for Southeastern Mobile County" in the FY 2009 and 2010 Draft CIAP Plan Amendment. The MCWSFPA currently provides water services to 13,062 customers in South Mobile County and public sewer services in the northernmost portion of our service area. Public sewer does not currently exist in the southernmost portion of our service area due to exorbitant cost. Replacing the existing failing on-site septic systems with sanitary sewer infrastructure, as proposed in AL-27, will result in improved surface and ground-water quality and protection of oyster reefs and other ecologically sensitive marine life from pathogenic contaminants. We believe that this is a most worthy project and stand ready to construct and operate the new infrastructure, as well as provide customer services to the new residential and commercial sewer customers.

Thank you again for your inclusion of this proposal in the FY 2009 and 2010 Draft CIAP Plan Amendment. If we can assist the State in any way throughout this process, please let us know.

Sincerely,

Joe Summersgill
General Manager

McArthur, Betty

From: Ruth, Sherry [SRuth@pirnie.com]
Sent: Tuesday, December 21, 2010 11:11 AM
To: DCNR CIAP
Cc: McMaster, Peter; Starling, Chuck; Gerald Easley (ggeraldeasley@bellsouth.net)
Subject: CIAP Plan Amendment for FY 2009 and FY 2010
Attachments: CIAP Comment Letter 12-21-10.pdf

See the attached written comments on the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010.

If you have any questions please call us.

Thanks,

Sherry Ruth

Malcolm Pirnie, Inc.
5 N. Conception St. 2nd Floor
Mobile, AL 36602
251-441-0655 Office
251-405-4555 Direct
251-441-0677 Fax
www.pirnie.com

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12/21/2010

Alabama Gulf Coast
REGIONAL SEWER SUPPLY DISTRICT

P.O. Box 2368 Mobile, AL 36652-2368 • Phone: 251-694-3470

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James E. Laier, Ph.D., Mobile Area Water & Sewer System

December 21, 2010

Commissioner M. Barnett Lawley
Alabama Department of Conservation and Natural Resources
State Lands Division
31115 Five Rivers Boulevard
Spanish Fort, AL 36527

Re: Draft State of Alabama CIAP Plan Amendment
Fiscal Year 2009 and 2010
Written Comments on Program Suggestions
Phase1 Effluent Outfall Line: Alabama Gulf Coast Regional Sewer Supply District

Dear Commissioner Lawley:

On behalf of the Alabama Gulf Coast Regional Sewer Supply District (District), we would like to commend the [State of Alabama for selecting projects for inclusion in the] Coastal Impact Assistance Program for providing support to sewer projects in the Mobile area which assist in achieving the overall goal of providing coastal protection and improving the coastal environment. The District submitted a Program Suggestion to the Alabama Department of Conservation and Natural Resources under the project name "Phase 1 Effluent Outfall Line for the Alabama Gulf Coast Regional Sewer Supply District". The goals and objectives of this project are to significantly improve the water quality of identified small impaired coastal streams that currently receive effluent flows from Mobile (Wright Smith WWTF, Three Mile Creek), Prichard (Carlos A. Morris WWTF (Three Mile Creek) & the Stanley Brooks WWTF (Eight Mile Creek), Chickasaw (Chickasaw WWTF, Chickasaw Creek), Satsuma (Satsuma WWTF), and Saraland (Saraland WWTF). Several of these streams are listed as 303(d) impaired streams for nutrients as identified by the Alabama Department of Environmental Management. As a part of this project, effluent flows would be redirected to a larger receiving body (Mobile River) with a much greater assimilative capacity and would not be adversely impacted. This improvement will have a positive impact on the water quality within the receiving streams and will improve the natural coastal environment.

We would like to request that the Alabama Department of Conservation and Natural Resources give additional consideration to this project. We have identified two projects with a reduced cost range with the hope that one or the other can be included as a Tier 2 project in the State of Alabama CIAP Plan Amendment for FY2009 and FY2010. The following provides a general description and estimated cost of each project component.

Alabama Gulf Coast
REGIONAL SEWER SUPPLY DISTRICT

December 21, 2010
Page 2 of 2

P.O. Box 2388 Mobile, AL 36652-2388 • Phone: 251-694-3470

Installation of a multiport diffuser on effluent discharge pipe
Estimated cost \$3 million

The new multi-port diffuser will provide a single effluent discharge to the Mobile River which is suitable for properly accommodating the treated waste stream. This single effluent discharge will eliminate several outfall locations which are currently discharging into impaired streams. The new outfall diffuser will have a significant impact on improving the water quality in this coastal area now and in future years.

Beneficial reuse of dredge material to fill the existing Alcoa mud lakes
Estimated cost \$3 million

The design and construction of the future Regional WWTF to be located on Blakeley Island is proposed to be constructed in conjunction with the United States Army Corps of Engineers (USACE) and their Mobile River dredging program to fill the proposed Regional WWTF site. Currently, this site consists of treatment lagoons (mud lakes) which will have to be filled to allow for the future construction of a Regional Wastewater Treatment Plant. It is anticipated that the USACE will coordinate with the District to utilize dredge material to fill the Regional WWTF site as part of a beneficial use program. As seen in other projects, dredged material can be a valuable resource when used in a beneficial matter. Project cost will include the difference between traditional disposal and the beneficial use for the construction for the new WWTP.

Again, we would like to thank the State of Alabama for the opportunity to submit and comment on the draft of the CIAP Plan Amendment for FY2009 and FY2010. Should you have questions, or require additional information, please give us a call.

Very Truly Yours,

ALABAMA GULF COAST REGIONAL SEWER SUPPLY DISTRICT


Gerald Easley
Chairman

cc: Peter W. McMaster, Malcolm Pirnie, Inc.



ROBERT CRAFT - Mayor
STEVE GARMAN - City Administrator

December 14, 2010

Commissioner Barnett Lawley
Alabama Department of Conservation and Natural Resources
64 N. Union Street
Montgomery AL 36130

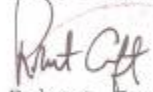
Re: CIAP - Bon Secour Land Acquisition Project

Dear Commissioner Lawley:

On August 10, 2009, the City of Gulf Shores passed a Resolution supporting the acquisition of the property described in AL2-16 Bon Secour Land Acquisition Project. We understand that this project is the number one project on the State's Tier Two Project list for the 2009-2010 CIAP Funding Proposal.

I am writing to assure you that the City of Gulf Shores is still supporting AL2-16 and request that it be funded should the CIAP funding become available for this Tier Two Project.

Best regards,


Robert Craft
Mayor

COUNCILMEN

CAROLYN M. DOUGHTY - JASON DYKEN - JOE GARRIS - PHILIP HARRIS - STEPHEN E. JONES
P.O. Box 299 • Gulf Shores, Alabama 36547 • 251-968-2425

McArthur, Betty

From: Scott Douglass [scott@southcoastengineers.com]
Sent: Tuesday, December 21, 2010 4:59 PM
To: DCNR CIAP
Cc: 'Jeffrey Collier'
Subject: Comments on CIAP Plan Amendment
Attachments: Douglass Comments on Alabama CIAP Plan Amendment.pdf
Cara,

Attached are my comments on the subject plan.

Please acknowledge receipt.

Thanks,

Scott

Scott L. Douglass, PhD, PE
South Coast Engineers, LLC
PO Box 72
Fairhope, AL 36533
www.southcoastengineers.com
251-510-2903
scott@southcoastengineers.com

12/22/2010



SOUTH COAST ENGINEERS

Engineering for the Coast

P.O. Box 72
Fairhope, AL 36533
www.southcoastengineers.com

December 21, 2010

Ms. Cara Stallman
Alabama State Lands Division, Dept. of Conservation and Natural Resources
Five Rivers Alabama's Delta Resource Center
31115 Five Rivers Boulevard
Spanish Fort, Alabama 36527
(via email: dcnr.ciap@dcnr.alabama.gov)

Dear Ms. Stallman,

These are comments on the State of Alabama CIAP Plan Amendment – Fiscal Year 2009 and 2010 dated November 2010 with specific reference to the project entitled “Dauphin Island Shoreline Stabilization” and numbered “AL-28” included as a State of Alabama Tier 1 project for natural resource restoration.

AL-28 is an excellent project for CIAP. It is an outstanding way to address the stated goal of the State of Alabama CIAP - “to implement natural resource projects which benefit directly and indirectly the natural coastal environment.” This project will do that directly by restoring sandy beach and dune habitat and indirectly by restoring the natural protections to a maritime forest and a freshwater lake/marsh. AL-28 will restore the state’s largest barrier island.

South Coast Engineers, as a consultant to the Town of Dauphin Island with NOAA funding, is currently developing a shoreline stabilization plan. The remainder of this letter briefly outlines what we presently anticipate will be the recommendations of that plan. We are more than half-way through the third and final phase of our work and do not anticipate significant changes but the following could change with further data, analysis, and input from our client.

We will be recommending a stabilization and restoration plan that consists of the direct placement of large amounts of good quality sand on the beaches and vegetation plantings on constructed sand dunes. This will be done along two sections (western and eastern) of the southern shoreline of the island. The Western Section Restoration Area is located along the western 4 miles of Dauphin Island south of Bienville Blvd along the southern shore and the waters of the Gulf of Mexico. The Eastern Section Restoration Area is located along a portion of eastern mile of Dauphin Island along the southern shore and the waters of Pelican Bay. This area includes the beaches south of the bird sanctuary, maritime forest, and freshwater lake/marsh. It may extend as far east as the Dauphin Island Sea Lab beach property.

The project has been designed using a combination of knowledge of the natural, historic sediment transport paths/coastal processes of the island and state-of-the-art empirical and numerical models. The presently ongoing migration or “collapse” of the former Pelican Island onto the center of Dauphin Island has been accounted for in this optimized design. This design

1

uses only natural materials found on barrier islands and avoids seawalls and other coastal structures.

The details of the restored beach in the Western Section Restoration Area have yet to be determined but may likely include a wide beach and a large sand dune system to significantly reduce the frequency and extent of barrier island overwashing during storm events in the future. Analysis shows that between 80-90% of the beach erosion in this area is due to overwashing due to surge and waves during storms. Enough sand will be placed in a wide beach south of the constructed dunes such that these dunes will not be eroded by expected cross-shore (offshore) sand movement in the first few years after construction.

Likewise, the details of the restored beach in the Eastern Section Restoration Area have yet to be determined but may likely consist of a wider beach with some smaller dunes constructed on the northern portion of the new beach. Analysis shows that the beach erosion along this shoreline has primarily been due to longshore sand transport along the beaches in response to the changes in sheltering provided by Sand/Pelican Island. The sand has shifted to the immediate west. The Eastern Section Restoration Area beach will restore the shoreline in this area to conditions that existed roughly 10-20 years ago. The ongoing migration of Pelican Island onto Dauphin Island may eventually allow sand to naturally move back onto these beaches for many decades without further nourishment.

Planted native vegetation (sea oats, etc.) will be used to stabilize the constructed sand dunes from wind and to provide natural habitat function as well as aesthetics. Dune walkovers at the public access locations will be part of this project.

Approximately 3¼ million cubic yards of sand will be dredged from an area southwest of the Sand Island Lighthouse and placed on the island to construct this project. The borrow area for the sand is a small portion of the western lobe of the ebb-tidal shoals of Mobile Pass. An extensive geophysical investigation has identified a specific area as having more than sufficient quantities of clean sands. The borrow area sands are of a grain size and distribution that match the native beaches and dunes of Dauphin Island well.

This will be the first major barrier island restoration project in state history. The restoration of the Baldwin County beaches since 2001 has performed extremely well but this will be the first such project done to restore and protect the full spectrum of ecosystems (beach, dunes, marshes, maritime forest) associated with a barrier island. The National Research Council has concluded that the technique proposed here, beach nourishment with constructed dunes, works well and is the primary way to restore beaches.

Sincerely yours,



Scott L. Douglass

C: Jeff Collier, Mayor, Town of Dauphin Island

McArthur, Betty

From: Joseph J. Apodaca [japodaca@bio.fsu.edu]
Sent: Wednesday, December 22, 2010 11:13 AM
To: DCNR CIAP
Subject: Comments on Project AL2-17

Attachments: AL2-17 Comments.pdf, ATT00001..txt



AL2-17
Comments.pdf (271 KB)



ATT00001..txt
(284 B)

Please see my attached comments on CIAP project AL2-17.

Thank You

Joseph J. Apodaca Ph.D.
241 Biomedical Research Facility
Florida State University
Tallahassee, Florida 32301

December 22, 2010

To Whom It May Concern:

I am writing to express my opinion on U.S. Federal Coastal Impact Assistance Program (CIAP) project AL2-17. It is no secret that anthropogenic activities are causing an alarming loss of biodiversity. Extinction rates are widely accepted to be at least 1,000 times higher than the historical average. Therefore, it is of the utmost importance to stem biodiversity losses. This is especially true for areas that have a high rate of species extinctions/endangerment or areas that hold an exceptionally high level of diversity. Alabama is one of the world centers of aquatic biodiversity. Unfortunately, this region also has one of the highest rates of extinction in the world. In fact, Alabama is rivaled only by California in the number of extinctions that have occurred within the continental United States.

Turtles are one of, if not the most imperiled vertebrate group in the world. The Mobile-Tensaw Delta has more turtle diversity than anywhere else in North America, and is second on the list of world turtle hotspots. Preserving the vast array of turtle species within the Mobile-Tensaw Delta is vital to protecting the environmental integrity of this system. Yet, this cannot be accomplished without adequate natural history data and information regarding current population status. While sufficient data is often lacking for chelonians, The Alabama red-bellied turtle

is one of the least studied and understood species in North America. Since the entire range of the species is found within Alabama borders it is dependent on programs like CIAP and state wildlife grants to gather such data. CIAP project AL2-17 would provide much needed data on this federally listed species. Additionally, this project would provide vital information on several other local species.

CIAP project AL2-17 is exactly the type of research that needs to be conducted on the Alabama red-bellied turtle. As one of the most endangered species in the U.S. we should be putting every effort possible into protecting its habitat, enhancing breeding sites, and gathering data on natural history and population status. To pass on this opportunity to contribute to the recovery of this species would be a travesty. There is no doubt that without intervention this species will soon be added to the long list of extinctions within the state of Alabama. Funding project AL2-17 will not solve all of the species' problems but it is a step in the right direction.

Sincerely,

Joseph J. Apodaca Ph.D.

McArthur, Betty

From: Ken Marion [kmarion@uab.edu]
Sent: Wednesday, December 22, 2010 1:15 PM
To: DCNR CIAP
Subject: support letter

Attachments: turtle reseach support letter.docx; ATT00001..txt



turtle reseach support letter.... ATT00001..txt
(64 B)

Please find attached a letter of support for a CIAP project.

December 22, 2010

Alabama Department of Conservation and Natural Resources

State Lands Division

Dear sirs:

I am writing in support of the Tier 2 project entitled "Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama". I am commenting primarily on the turtle biology portion of the proposal, because that is where my background and knowledge primarily lies.

The Delta region of Mobile Bay is recognized as one of the hotspots for turtle diversity in North America. The region contains several species of limited geographic range. Additionally, one species is federally endangered and others are showing population declines. The Alabama Red-bellied Turtle is also our state reptile.

Despite the above, the region's turtle population remains poorly studied. Factors controlling the size and health of those populations are relatively unknown. It would be beneficial to have knowledge of such factors so that mitigative actions to restore the natural biodiversity can be carried out. As such, the project fits nicely under the CIAP goals and objectives.

Restoring our natural biodiversity in the Mobile delta region should be a top priority for all Alabamians who cherish our natural resources and who wish to see those resources remain for future generations.

Sincerely,

Ken R. Marion

Professor of Biology

UAB

McArthur, Betty

From: Donna Jordan [djordan@mobilebaykeeper.org]
Sent: Wednesday, December 22, 2010 1:22 PM
To: DCNR CIAP
Cc: Casi L. Callaway; dcnr_commissioner@dcnr.alabama.gov; Donna Jordan
Subject: CIAP Plan Amendment for FY 2009 and FY 2010

Attachments: CIAPAmendFY2009-2010.pdf

Please find attached Mobile Baykeeper's comment letter regarding the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010. Thank you in advance for consideration of our comments and please advise if you have any questions or problems viewing the attachment.

Sincerely,

--
Donna Jordan
Program Director
Mobile Baykeeper
450-C Government Street
Mobile, AL 36602
251-433-4229
Fax: 251-432-8197
www.mobilebaykeeper.org

12/22/2010



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Mobile, Alabama 36602

(251) 433-4229

Fax: (251) 432-8199

Website: www.mobilebaykeeper.org

Email: info@mobilebaykeeper.org



Providing citizens a means to protect the beauty, health and heritage of the Mobile Bay Watershed.

December 22, 2010

Alabama Department of Conservation and Natural Resources
State Lands Division
31115 Five Rivers Boulevard
Spanish Fort, AL 36527

RE: State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010

Submitted via U.S. Mail and email to dcnr.ciap@dcnr.alabama.gov

Dear Sir or Madam:

We are Mobile Baykeeper, a 14 year old nonprofit organization with the mission of providing citizens a means to protect the beauty, health and heritage of the Mobile Bay watershed, Alabama's waterways and coastal communities. We are writing on behalf our Board, Officers and more than 4,000 members on the Amendment to the State of Alabama's 2009-2010 Coastal Impact Assistance Program (CIAP) Plan.

Overall, we are very pleased with the Tier I project lists as compiled for the State of Alabama, Mobile County and Baldwin County. Mobile Baykeeper has advocated for or worked directly on several of these projects including Island Apple Snail Control in Three Mile Creek and the Acquisition of Live Oak Landing. These and the majority of the projects listed will greatly benefit coastal Alabama's natural resources and its citizens.

However, there are some projects listed that we find inappropriate for the allocation of CIAP funds. In the plan, there are listed six major categories of projects which include land acquisition, coastal research, natural resource restoration, environmental education and outreach, public health infrastructure improvements, and administration. From the tally given, 49% of CIAP funds will pay for public health infrastructure projects, 4% of funds will administer the project, and the remaining 47% of funds will support projects of environmental restoration, conservation or education. We find it disappointing that less than half of the CIAP funds will finance efforts that are within the true spirit of the CIAP legislation and the intent of the five categories of authorized uses.

We fully acknowledge the negative impacts poorly maintained and operated sewage collection infrastructure can have on our coastal waterways and are supportive of infrastructure improvements that benefit

Page 2 of 2

December 22, 2010

public health. However, we must assert that project AL-26 (Codon Sewer Line Extension) is not an appropriate project for CIAP funding. This is a project that has lost federal funding sources twice due the project's inappropriate and unsafe location as the site is located within the Coastal High Hazard Area. Alternative appropriate federal funding sources may be available for this project, such as grants and loans provided in Community Development Block Grants as well as the United State Department of Agriculture's Rural Development and Utilities Service funds. We also recognize that additional public infrastructure Project Numbers AL-27 (Wastewater Facilities for Southeastern Mobile County) and MC-10-A (North Mobile County Waste Water Facilities) are also not within the exact intent of CIAP legislation, and while we do not necessarily support these projects, we do understand their inclusion in the list. However, we recommend that the Alabama Department of Conservation and Natural Resources not allocate CIAP funds to Project Number AL-26 (Codon Sewer Line Extension).

We recommend that in place of Project AL-26, ADCNR promote projects in the Tier 2 list that conserve, protect, restore, and mitigate prior damages to our coastal areas and wetlands. Several projects listed in Tier 2, such as AL2-21 (Stream Restoration of Tributary to Tiawasee and D'Olive Creek) and AL2-23 (Oyster Reef Enhancement: Quantifying Benefits to the Fishery) would provide direct mitigation for man-made damages to our watershed resulting from poor construction and development practices. We support land acquisition projects that ensure permanent public access and protect water quality by preventing over-development in sensitive areas of our coastal areas. Several of the Tier 2 land conservation projects, such as AL-2-16 (Bon Secour Land Acquisition), AL-2-20 (Dauphin Island Aloe Bay Property Acquisition), AL2-22 (Perdido Bay Coastal Island Acquisition), also bolster the local economy by enhancing recreational opportunities for fishers, boaters, hunters, and other outdoor enthusiasts. We also support those Tier 2 projects that facilitate research on our coastal resources and their health, such as AL2-17 (Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama) and AL2-26 (Submerged Aquatic Mapping in Coastal Alabama). These research projects also aid the public in understanding value of our coastal resources and the impacts pollution and other stressors. Any of these 7 Tier 2 projects listed above would contribute greatly to Alabama citizens' understanding and enjoyment of our watersheds and coastal areas and we highly recommend their inclusion for CIAP funding.

Thank you in advance for consideration of these comments. Please feel free to contact us with any questions you might have or to discuss our recommendations.

Sincerely,



Carl Callaway
Executive Director & Baykeeper

McArthur, Betty

From: Phillip West, Environmental Manager [pwest@cityoforangebeach.com]
Sent: Wednesday, December 22, 2010 4:51 PM
To: DCNR CIAP
Cc: 'Tony Kennon'; kgrimes@cityoforangebeach.com
Subject: Re: Comments on the Draft CIAP Plan Amendment, FY 09 and 10

To Whom It May Concern:

Last month, the Alabama Department of Conservation and Natural Resources' State Lands Division presented the FY09 and FY 10 Draft CIAP Plan Amendment, and called for comments to be made by 5:00 p.m., December 22, 2010. On behalf of the cities of Orange Beach and Gulf Shores, Alabama, we hereby wish to have our comments included in the record for this Draft Plan Amendment.

Although the Draft Plan contains what we feel are some viable and important projects, many of which will have significant benefits to our coastal resources, we are collectively very disappointed and puzzled as to why the joint South Baldwin Beach Restoration Project, owned and maintained by the cities of Orange Beach and Gulf Shores in partnership with the State of Alabama, was not considered for funding under this program. We are keenly aware, however, that the CIAP program has chosen to fund beach restoration for Dauphin Island for \$6 million.

While it is true that no proposal was submitted by either city requesting funding for the beach restoration project, ADCNR officials indicated to us some months ago that beach restoration would not be "appropriate" for funding under CIAP, in direct contrast to the Draft Plan Amendment currently being proposed. Reasonably, we are concerned with the apparent disconnect between what is being communicated by the ADCNR with regards to eligible projects, and what is being proposed to be funded. It is equally puzzling as to why the State would not fund (at least) their share of a major beach restoration project, but would direct CIAP funding toward another beach restoration project.

When and if this Plan is implemented and funded as proposed, the cities of Orange Beach and Gulf Shores will have received \$0.00 of over **\$90 million** in CIAP funds since FY07! Conversely, the citizens of Gulf Shores and Orange Beach have spent over \$20 million in beach restoration projects.

We fully support the funding proposed for the Town of Dauphin Island for beach restoration—they are in dire need of shoreline protection and we believe the CIAP program is appropriate to assist with this sort of project. However, we do feel the Draft Plan contains other projects that should have been either forgone or placed on the Second Tier in order to accommodate beach restoration for the South Baldwin Beach Restoration Project, with whom the State (ADCNR) is our partner.

In addition to submitting these comments with regards to the Draft Plan, we respectfully request a meeting between the State and the two cities to discuss this and future funding opportunities. Thank you for this opportunity.

12/22/2010

Sincerely,
Phillip West, AICP
Coastal Resources Manager
City of Orange Beach

12/22/2010

McArthur, Betty

From: ja@centurytel.net
Sent: Wednesday, December 22, 2010 5:00 PM
To: DCNR CIAP
Cc: Lawley, M. Barnett
Subject: Fwd: EROSION PROJECTS
Attachments: DI - Monterey Consulting Dec 2009 thru Dec 2010[1].pdf; DI - Monterey Consulting Dec 2009 [1].pdf; DI - Monterey Consulting Signed 11-2008[1].pdf; DI - Monterey Rod Grimm 12-24-07 Town of Dauphin Island-MCA Agreement[1].pdf; DI - Douglas - NOAA 1.5 Grant Dr Scott Douglass Contract NOAA \$1.5M [1].pdf; DI - Douglas Contract BP - AEMA Grant Contract Douglass[1].pdf; DI - Douglas Initial 7-7-09 Contract South Coast Engineers Nov 2009[1].pdf; DI - Douglas Oversight of WRS Study 11-Contract South Coast Engineers Nov 2009[1].pdf; DI - WRS Conformed Contract 18DEC09[1].pdf; DI - Letter Grant - NOAA - WRSccompass 3-31-09[2].tif

Mr. Will Brantley

CIAP 09-10 Amendment Public Comments

ENTIRE COMMENTS CONSISTS OF LETTER BELOW PLUS (10) ATTACHMENTS

There are 4 contracts attached the Town entered into with Dr. Scott Douglass' firm. None were procured with requests for proposals. Two contracts contain a scope of work to perform the same work described as scope of work in two other of the four contracts. All but one specify no reports will be furnished, no designs will be produced and no permits will be furnished. Some \$525,848. thousand dollars being spent to oversee the "Study" of the east end erosion problem.

In the Contract titled Beach Renourishment Contract dated June 4, 2010 - Attachment "A" page 2, paragraph 3 it is stated that the team of consultants envisioned for this work includes Coastal Planning and Engineering, Inc. working with WRSccompass and Coastal Technology Corporation. This paragraph further states the CPE/WRSccompass team was the primary selection for the lead design firm from a qualifications-based selection process conducted by South Coast Engineers on behalf of the Town of Dauphin Island that concluded in February 2010. There is no information provided as to the date a Request for Proposals for these services was initiated by Dr. Douglass, what companies furnished proposals, what companies were considered, or what the criteria used to select CPS/WRSccompass was.

The Town of Dauphin Island has received two grants from NOAA, one for approximately \$1.5 million and one for \$400,000. to produce a "STUDY" of the erosion problems of the south shore of Dauphin Island, primarily focusing on the east end near Ft. Gaines and extending westward to an area ending at approximately the Audubon subdivision. All funds from these two grants are contracted to the same 4 companies listed above.

Another interesting fact is that the "Study" produced by WRSccompass, which the Town powers that be, like to promote as being some 800 pages long encompassing two 3" binders is primarily fluff. More than half of one full binder is nothing more than sounding photos and the like. The report is not readily available other than at Town Hall unless you specifically request a digital copy at a cost of \$5.00

If anyone would like to review this most recent "STUDY" was paid for with NOAA Federal Funds. You should also remember a "Study" of this same area was performed by a group of scientist involved in the POA/Corps lawsuit with the study being paid for with Federal Funds. That study was performed just a couple of years ago. Again, remember a "Study" titled State of the Beaches report was issued in 2001 covering the same area again. That study was paid for by ADECA with pass down funds from Federal Funds.

12/22/2010

Thus far a minimum of FOUR STUDIES have now been completed and PAID FOR WITH FEDERAL FUNDS. To date, there are no plans, no engineering documents, and no sources of funding to pay for any construction in this EAST END project area or any other. According to these studies The solution to erosion on the east end of Dauphin Island will require placing sand some great distance southward and raising the elevation to such that it exceeds the current elevation of the existing shoreline. The latest "Study" goes on to say the west end will be addressed at a later date but the same conclusions/solutions are expected.

I dare say we, the residents, non residents, and people of Mobile County had all reached this conclusion without spending any FEDERAL FUNDS many years ago. The problem is that no one can anti up monies to provide construction to improve primarily private property. The majority of this island that remains above the mean high tide line is privately owned. There are many Federal laws on the books which cover use of Federal funds for improvements of private property. While the POA did make an attempt to transfer the once private property beaches along the western section, those lands and individual private properties are now bottom lands, submerged for many years.

The NOAA grants are listed as NA09 NOS 4630236 and NA10 NOS 463012 and are available on the internet for those that would like to read them. These two grants are to fund "Studies" only and are focused on the east end of the island.

These facts are being brought to light because the recently released CIAP 09-10 draft amendment contains a State of Alabama # AL-28 FIVE MILLION DOLLAR two phase project to renourish the southern shoreline of Dauphin Island again focusing on the east end erosion. The actual Project Description is:

AL-28

Dauphin Island, Alabama is a coastal barrier island located in southern Mobile County. It has experienced significant erosion along the east end and west end. Specific areas of concern include the east end beach area directly south of the Dauphin Island Audubon Bird Sanctuary (<http://www.dauphinisland.org/bird.htm>). It is estimated, the shoreline has eroded increasing the risk for overwashing of the freshwater lake at the sanctuary. During frequent storms in recent history, the dune field on the island has been destroyed. On the west end, the lowered elevations have resulted in frequent overwashing, exacerbating erosion of the beach areas. The scope of this project will be defined by the results of a comprehensive feasibility/design study. Such a study will determine what methodology for shoreline stabilizations should be employed for Dauphin Island along with preliminary cost estimates. Project costs include engineering, permitting, and construction associated with a proposed shoreline stabilization project. This project may be submitted in phases, whereby Phase 1 will request grant funding for engineering and permitting and Phase 2 will request grant funds for construction.

THIS SOUNDS LIKE A GOD SEND, what is not said is also interesting. CIAP Program guidelines, which have been discussed with all parties on many occasions, say:

Any infrastructure constructed entirely above mean high water (MHW) will be considered as *onshore* infrastructure

Any infrastructure or portion of infrastructure constructed below MHW is not onshore infrastructure.

12/22/2010

2

The MHW is the standard the State uses, but in the absence of a standard it will mean the

average elevation of high water recorded from a rising tide at a particular point or station over a considerable period of time, usually 19 years.

ONLY "ONSHORE" INFRASTRUCTURE IS ELIGIBLE FOR CONSTRUCTION FUNDING.

While our politicians like to talk about ethics reform, the increase of the national debt, and how irresponsible double dipping is, reality shows us it's really just talk because if these funds are allocated it will be the fifth time federal funds have been used for the same efforts.

Additional consideration should be given to the cost of maintaining such a replenishment effort, if by some unlikely chance it should actually get past the above guideline and be constructed. The cost to replenish the entire south side of the island is far more than the money left after engineering and design. Estimates range from \$14 million to \$50 million dollars. A maintenance budget of \$2.8 million would be required for a construction project costing \$14 million. Who do you think will have to fund such an enormous maintenance budget, federal funds, not likely, state funds, not likely, resident and non resident property owners are the likely candidates.

Public Comments to the Alabama CIAP 2009-2010 Amendment will be accepted until 5:00 on December 22. Rather you are a proponent or contestant of the Town receiving these funds please take time to submit public comments.

The information found above can be verified by going to www.outdooralabama.com and by searching on the term Coastal Impact Assistance Program Guidelines.

As a final consideration, the US Army Corp of Engineers just announced they are planning to produce a construction project placing sand around the Sand Island Light House and hopefully extending westward to Pelican Island which has now attached to Dauphin Island. THIS is a move in the right direction, however such an effort would eliminate the need for a construction project on the east end project area because once the new SAND ISLAND and Pelican Islands are joined together there will be a natural backup of sand extending from Pelican Island back to the Ft. Gaines area.

The award of "STUDY" funds is nothing more than an effort to pacify local citizens and line the pockets of a small group of firms and individuals that have not been selected through a fair bid and award process. There are many local firms that are far more experienced and have given far more to this island than those that have been the recipients of handouts for studies that are more cut and paste from old studies to tell us the same things we already know.

Joyce Allen

Dauphin Island Resident

12/22/2010

3

----- End forwarded message -----

----- End forwarded message -----

12/22/2010

4

AGREEMENT FOR CONSULTING SERVICES

This **AGREEMENT**, entered into on this 1 day of December, 2009 between the TOWN OF DAUPHIN ISLAND, ALABAMA, hereinafter called "TDI", and MONTEREY CONSULTING ASSOCIATES, INCORPORATED hereinafter called "MCA."

WITNESSETH that TDI and MCA, hereby extend the Agreement entered into between the parties and dated November 4, 2008 titled "Town of Dauphin Island - Monterey Consulting Associates, Incorporated Contract Agreement" and adopt the terms and conditions of said Agreement as if fully set out herein with the two modifications set out below:

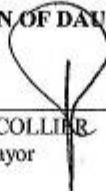
1. **TERM OF AGREEMENT:** The Contract is entered into as of December 15, 2009 and will continue through December 14, 2010.

2. **EARLY TERMINATION OF CONTRACT AGREEMENT:** This Agreement may be terminated by either party upon not less than thirty (30) days written notice should the other party fail substantially to perform in accordance with the terms of this Agreement through no fault of the party initiating the termination. This Agreement may be terminated by TDI upon not less than thirty (30) days written notice to MCA for the convenience of TDI and without cause.

IN WITNESS WHEREOF, the parties hereunto have caused this Agreement to be executed by their duly authorized representatives who sign below.

TOWN OF DAUPHIN ISLAND, ALABAMA

By:



JEFF COLLIN
Its: Mayor

1

ROSE

Execution Date: 12/01/09

ATTEST:

Nannette Davidson
NANNETTE DAVIDSON
Town Clerk

**MONTEREY CONSULTING ASSOCIATES,
INCORPORATED**

By: *Rodman D. Grimm*
RODMAN D. GRIMM, President

AGREEMENT FOR CONSULTING SERVICES

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WITNESSETH that TDI and MCA, hereby extend the Agreement entered into between the parties and dated November 4, 2008 titled "Town of Dauphin Island - Monterey Consulting Associates, Incorporated Contract Agreement" and adopt the terms and conditions of said Agreement as if fully set out herein with the two modifications set out below:

1. **TERM OF AGREEMENT:** The Contract is entered into as of December 15, 2009 and will continue through December 14, 2010.
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TOWN OF DAUPHIN ISLAND, ALABAMA

By:

JEFF COLLIER
Its: Mayor

1

ROSE

7

Execution Date: 12/01/09

ATTEST:

Nannette Davidson
NANNETTE DAVIDSON
Town Clerk

**MONTEREY CONSULTING ASSOCIATES,
INCORPORATED**

By: *Rodman D. Grimm*
RODMAN D. GRIMM, President

TOWN OF DAUPHIN ISLAND - MONTEREY CONSULTING ASSOCIATES, INCORPORATED CONTRACT AGREEMENT

The Town of Dauphin Island (TDI) is seeking federal funding for Dauphin Island beach restoration and nourishment to create a facility that will be an improved natural feature and an engineered beach. The TDI has decided to retain Monterey Consulting Associates, Incorporated (MCA) to assist TDI in this federal funding acquisition process. This contract is an extension of the contract initiated by TDI to acquire MCA professional services dated December 21, 2007, incorporating a revised scope of work and fees for professional services as delineated below:

SITUATION

It is anticipated that the federal funding process will be somewhat revamped in the 111th Congress. Congressional earmarks will still be provided; however, it will be much easier to obtain appropriations allocations if legislation authorizing the activity/project is provided in relevant Authorization Bills. It is therefore anticipated that TDI and MCA will implement an effort to obtain both authorization legislation and appropriations allocations in the first session of the 111th Congress.

Consideration will be given to requesting authorization legislation in three separate authorization bills, to specifically provide authorized funding for Fort Gaines, the Dauphin Island Bird Sanctuary, as well as the remaining east and west end coastlines. If this strategy is adopted, it will be necessary to conduct Congressional liaison activities at three Senate and three House of Representatives Authorization Committees, as well as efforts to obtain funding allocations in Appropriations Bills. At a minimum, one authorization legislative initiative and a separate appropriations allocation effort will be required.

TECHNICAL SCOPE OF WORK

There are a number of activities that TDI and MCA will attempt to jointly implement in preparation for and during the 111th Congress. These activities and the collaborative TDI/MCA approach to implementing them are delineated below:

Presentation Materials:

As the federal government relations effort continues and evolves, additional elements will need to be incorporated into the substantive technical case, and some new presentation materials will be required. MCA will be primarily responsible for the formulation and incorporation of additional technical case elements. MCA will also be primarily responsible for the creation and preparation of additional presentation materials. TDI will provide input and formally approve all of the new elements proposed for incorporation in the technical case and additional presentation materials.

Congressional Liaison:

MCA will identify and make recommendations for legislative vehicles to be used to attempt to obtain authorization legislation and appropriations allocations. TDI will formally request the legislation, and appropriate TDI officials will be available as necessary for meetings with elected officials in Alabama and/or Washington, DC. MCA will take the lead in the implementation of the following Congressional relations activities:

- Making presentations to Senators, Representatives, Committee and Congressional Staff, and policy level personnel (and in the Administration if required) who are potential decision makers.
- Providing additional information and answering questions posed by Senators, Representatives, Committee and Congressional staff, and other policy level personnel.
- Monitoring the status of the legislation/funding requests and the introduction and mark up of the selected authorization and appropriations bills.
- Attending and reporting on hearings conducted by relevant Authorization and Appropriations Committees that can potentially influence the requested legislation.
- Preparing Authorization/Appropriations request materials required by Congressional Committees and Member Offices.
- Writing suggested language for Authorization and Appropriations Acts.

State of Alabama Liaison

The State of Alabama has the potential to assist TDI in the effort to obtain funding for Dauphin Island coastline restoration. The State can play a positive role either by requesting federal funding from the Alabama Congressional Delegation or directly funding coastline restoration with State funds.

It will be important to develop a good working relationship and attempt to obtain advocacy of State of Alabama Officials (such as the Governor) and Alabama Administrative Departments and Agencies (such as the Alabama Emergency Management Agency, the Historical Commission, the Department of Environmental Management, and the Department of Conservation and Natural Resources).

TDI has been successful in obtaining the advocacy and involvement of Alabama State Senator Ben Brooks and Representative Spencer Collier. TDI, with the support of MCA, will take the lead in coordinating the advocacy efforts of these Alabama elected state officials. TDI, Senator Brooks, and Representative Collier will manage the effort to attempt to obtain the advocacy and support of the Governor and Alabama Departments and Agencies. MCA will assist as requested.

National Stakeholder Organization Advocacy:

TDI and MCA have been successful in obtaining the advocacy and active support of the National Trust for Historic Preservation, the Civil War Preservation Trust, the National Audubon Society, the Dauphin Island Sea Lab, the Mobile Bay Convention and Visitors Bureau, the Organized Seafood Association of Alabama, the Dauphin Island Park and

Beach Board, and the Dauphin Island Property Owners Association. MCA will take the lead in coordinating the advocacy activities of these organizations.

Other National Stakeholder Organizations have been contacted and are considering the possibility of providing advocacy and support. MCA is presently communicating with these organizations and providing them with information designed to elicit their advocacy and support.

MCA will conduct the activities to determine if there are other National Stakeholder Organizations that might be interested in providing advocacy and support; and if organizations are identified, make initial contacts to determine the extent of their interest.

Joint Lobbying Efforts:

The most important reason to obtain the support of National Stakeholder Organizations is to expand the scope of the federal government relations effort beyond the Alabama Congressional Delegation. The overall objective is to obtain their advocacy and involvement in convincing Administration and Congressional leaders that Dauphin Island is of national importance due to its contribution to the Gulf Coast economy, preservation of the seafood industry, reduction of mainland storm damage, and the need to protect Fort Gaines and the Audubon Bird Sanctuary, which are historical and national treasures. MCA will work with National Stakeholder Organizations to attempt to create an environment supporting fact that Dauphin Island coastline restoration is not primarily a local issue, but should be viewed as a national policy goal.

TDI and MCA will jointly conduct the effort to attempt to gain the maximum support possible from National Stakeholder Organizations prior to mid-January, 2009. If this support is obtained, the National Stakeholder Organizations and TDI/MCA will formulate joint federal government relations efforts, targeted toward the Chairpersons and Members of the relevant Authorization and Appropriations Committees who are sympathetic to the specific goals of each National Stakeholder Organization.

MCA will coordinate the efforts of National Stakeholder Organizations willing to participate in this federal government relations effort to attempt to obtain funding allocations for the Dauphin Island coastline restoration.

Fort Gaines:

The existence of fort Gaines contributes significantly to the probability of obtaining federal funding for coastline restoration, as numerous influential entities want this national treasure to be preserved. Fort Gaines is the reason that the National Trust for Historic Preservation (NTHP), the Civil War Preservation Trust, and approximately 2,300 individuals are providing support. In order to increase the level of support, it is important to have Fort Gaines designated as a National Historic Landmark prior to the beginning of the 111th Congress. In addition, the NTHP has suggested that Dauphin Island apply for Fort Gaines to become one of its 2009 "America's 11 Most Endangered Places". MCA will assist the TDI and the Dauphin Island Park and Beach Board in the preparation and submission of these applications.

Public Relations:

It will be essential to obtain favorable press during the Congressional relations effort. Television documentaries, radio interviews, newspaper editorials/articles, as well as feature stories in national stakeholder organization publications advocating the Dauphin Island coastline restoration will be extremely helpful. The public relations firm retained by the Town of Dauphin Island (DIPR Firm) will take the lead in the implementation of the public relations campaign. MCA will actively support the DIPR Firm by providing strategy input, recommending content for press events and articles, suggesting the media that might be most effective, participating in interviews, providing data designed to obtain favorable press, making introductions to National Stakeholder Organizations that distribute magazines and newsletters to their membership, and conducting necessary follow up activities (as requested by the DIPR Firm, with the approval of TDI).

Project Feasibility and Engineering Analysis:

A comprehensive project feasibility and engineering analysis is necessary to determine if beach restoration and nourishment will create a facility that will be an improved natural feature and an engineered beach; and that the constructed improvements will result in a measurable improvement over the existing natural feature or beach. The first step in this process is constructing a comprehensive Dauphin Island beach restoration and nourishment preliminary conceptual design, as advocated by the Mobile Press Register. MCA (within the constraints of its technical expertise), as requested by TDI will provide input to the contractor selected to perform these engineering services.

FEES AND EXPENSES

a.) Fees for Professional Services

MCA will provide the professional services to assist TDI in implementing the effort to obtain federal funding for Dauphin Island coastal restoration in the first session of the 111th Congress for a monthly retainer of eight thousand four hundred (\$8,400.00) dollars.

b.) Expenses

TDI will reimburse MCA for expenses including travel, meals, lodging, ground transportation, parking, telephone/fax, and information technology as they are incurred. TDI will approve in advance expenses for each individual item in excess of four hundred (\$400.00) dollars.

c.) Payment Schedule

The contract is entered into as of October 15, 2008 and will continue through December 14, 2009. The monthly retainer of eight thousand four hundred (\$8,400.00) dollars will be due and payable within thirty (30) days of the submission of the invoice for that month. All expenses shall be paid within thirty (30) days of submission of an expense invoice.

EARLY TERMINATION OF CONTRACT AGREEMENT

TDI may terminate this contract with MCA only for non-performance. The definition of non-performance includes only MCA not implementing the activities delineated in the "Technical Scope of Work" section of this Contract Agreement.

If TDI contends that non-performance has occurred, TDI shall provide MCA written notice of the occurrence of non-performance and the termination of the Contract Agreement, which will be effective in sixty (60) days.

LITIGATION

This Contract Agreement shall be governed and interpreted by, and construed in accordance with the laws of the State of Alabama. Any litigation involving this Agreement shall be brought in the courts of Mobile County in the State of Alabama.

IN WITNESS WHEREOF, the Town of Dauphin Island has hereunto set its hand and seal on this the 4th day of November, 2008.

TOWN OF DAUPHIN ISLAND

Jeff Collier
Mayor, Town of Dauphin Island

ATTESTED:

Nannette N. Davidson
Nannette N. Davidson
City Clerk

**MONTEREY CONSULTING
ASSOCIATES, INCORPORATED**

Rodman D. Grimm
Rodman D. Grimm
President

**AGREEMENT BETWEEN THE TOWN OF DAUPHIN ISLAND AND
MONTEREY CONSULTING ASSOCIATES, INCORPORATED
(MCA) FOR MCA TO PROVIDE PROFESSIONAL SERVICES TO
ASSIST THE TOWN IN OBTAINING LEGISLATION REQUIRING
THE FEDERAL GOVERNMENT TO RESTORE THE DAUPHIN
ISLAND COASTLINE**

SITUATION

The Town of Dauphin Island (TDI) is seeking legislation that will require the federal government to restore the Dauphin Island coastline. This legislation might be passed in one of three legislative vehicles: (a) authorization legislation requiring the Army Corps of Engineers (ACOE) to restore the Dauphin Island Coastline; (b) legislation providing an appropriated allocation for either ACOE or the TDI to restore the coastline; or (c) authorization legislation requiring the ACOE to restore the coastline, with an accompanying appropriations allocation for TDI to provide oversight during the coastal restoration process.

THE AUTHORIZATION/APPROPRIATIONS PROCESSES AND TIMELINES

The annual federal Authorization and Appropriations processes are designed to operate along the approximate time schedule presented below:

- November - February, the Administration Budget is constructed and finalized and transmitted to the Congress.
- December - February, programs and projects are presented to Congressional Delegations by constituent entities, and support is requested for legislation and/or funding.
- February - April, Member requests for legislation and/or funding are due.
- April - June, presentations are made to important Members of the Authorization/Appropriations Committees, Committee staff, and other Members and staff who might be instrumental in the effort to obtain legislation and/or funding.
- May - July, House and Senate Authorization/Appropriations Subcommittees mark-up their Bills – and the House and Senate pass their versions of the Authorization/Appropriations Bills.
- July - September, after the House and Senate pass their Bills, a House and Senate Conference mediates the differences between the Senate version and the House version. This is where the final legislation and/or funding decisions are made. The House and Senate vote on and pass a Conference Report.
- September, the President signs the final agreed upon Bill (Conference Report) and it becomes law.
- October, funding for items contained in the Conference Report becomes available.

Note that the Congress does not always adhere to this schedule.

- a.) *Authorization Bills* – Some Authorization Bills, such as the *Defense Authorization Bill*, are considered annually and the Congress attempts to adhere to the above referenced schedule. Other Authorization Bills are on two, three, or five year authorization cycles,

and consideration is dependent on schedules determined by the relevant Authorization Committee.

- b.) *Appropriations Bills* - in some instances, the Appropriations Bills do not go to Conference and are not signed into law by the President until January of the following year. In other instances, the Congress passes a Continuing Resolution that does not adopt the funding proposed by the new Appropriations bills, and usually sets funding levels at the amounts established in the previous fiscal year.

TECHNICAL PROPOSAL

According to the TDI, an estimate of the amount of funding required to provide the necessary coastline restoration is approximately \$25 million. A comprehensive technical case must be prepared in order to obtain the requested legislation, and an extensive federal government relations effort will be required to be successful. It is proposed that this effort include but not be limited to the following tasks:

TASK A - PREPARATION OF SUPPORTING MATERIALS

1.) Data Collection and Analysis

All data relevant to the technical case must be collected and analyzed. The data and analysis should include, but not be limited to:

- a.) An analysis that will provide the ability to select the legislative vehicles (as referenced above) in which legislation can be passed that will require the federal government to restore the Dauphin Island coastline.
- b.) Collection and analysis of all correspondence and data from the State of Alabama, the South Alabama Planning Council, Mobil County, and all other Alabama government entities regarding Dauphin Island coastline restoration.
- c.) Documentation and analysis of State of Alabama, the South Alabama Planning Council, Mobil County, and all other Alabama government entities required planning and permitting procedures that must be adhered to in the restoration of the Dauphin Island coastline.
- d.) A historical chronology and analysis of the natural ocean currents and catastrophic weather events that have caused the degradation of the Dauphin Island Coastline.
- e.) A historical chronology and analysis of the man made events that have caused the degradation of the Dauphin Island Coastline (including but not limited to ACOE dredging activities).
- f.) Identification of the techniques that will be employed to restore the coastline (i.e., move sand from island locations, obtain and move sand from deepwater locations, build levies/barricades, sink ships offshore, etc.).
- g.) Documentation of the construction activities that will be required to restore the Dauphin Island coastline.
- h.) Development of preliminary cost estimates for Dauphin Island coastal restoration engineering and construction activities. If possible, the cost estimates should be segmented by project increment.
- i.) Identification and documentation of existing State, County, and/or TWI easements that would allow coastal restoration without current island property owner's prior approval. If none exist, develop a procedure for the TDI to attempt to obtain these easements and/or land owner approvals.

Monterey Consulting Associates, Incorporated (MCA) will be primarily responsible, with the assistance of TDI, for the preparation of Task A, I.), item a.). TDI will take the lead, with the involvement of MCA, in the preparation of Task A, I.), items b.) through i.).

II.) Preparation of the Substantive Technical Case Justifying the Legislation Request

The data collected and analyzed will be used to prepare a comprehensive technical case to justify the legislation to restore the Dauphin Island coastline. MCA will be responsible for preparing the technical case, with the active involvement and approval of TDI.

III.) Preparation of Presentation Materials

The technical case will provide the basis to create presentation materials. MCA, with input from TDI, will prepare the following presentation materials:

- a.) An Executive Summary that highlights the arguments and merits of the technical case.
- b.) A detailed White Paper that comprehensively documents the technical case, and includes all relevant data, substantive arguments, merits of the case, and the techniques that will be used to restore the Dauphin Island coastline.
- c.) A slide presentation that visually presents the rationale for legislation.

MCA will be primarily responsible for the creation and preparation of the above referenced presentation materials. TDI will provide input and formally approve all presentation materials.

TASK B - DEVELOPMENT OF THE LEGISLATIVE STRATEGY

During and immediately after the completion of the Item A activities, a legislative strategy will be developed. The methodology to develop the legislative strategy will include:

- a.) MCA will identify and make recommendations for the legislative vehicles to be used to attempt to obtain the requested legislation [(i.e. authorization legislation, legislation providing an appropriated allocation, or authorization legislation and an accompanying appropriations allocation (see paragraph one, page one)].
- b.) MCA will make recommendations regarding the Authorization/Appropriations Subcommittee Bills where the legislative request should be made (i.e. the Department of Defense Authorization Act, the Water Resources Development Act, the Defense Appropriations Bill, the Energy and Water Appropriations Bill, etc.).
- c.) MCA will make recommendations regarding the Senators, Congresspersons, Member's Personal Staff, Committee Members, and Committee Staff that should be contacted.
- d.) MCA will make recommendations regarding if, when, and how the Administration and/or the ACOE should be approached and made aware of the legislation request.

At the conclusion of the activities discussed above, TDI will approve all the elements and strategies in Tasks A and B.

TASK C - SUPPORT OF OUTSIDE POTENTIALLY INTERESTED ENTITIES

Gaining the support of potentially interested outside entities could play a key role in obtaining legislation requiring the federal government to restore the Dauphin Island coastline. An assessment needs to be made to determine if potentially interested outside entities would be

receptive to supporting the TDI legislation request. If it is determined that some of the entities might be receptive, they should be contacted and asked for their advocacy and active support. The following potentially interested outside entities should be considered:

- The Governor of the State of Alabama.
- The Alabama State Senator and Representative who represent TDI.
- Relevant State of Alabama Administrative Departments, Baldwin County, Mobile County, and the City of Mobile.
- The State of Mississippi and its potentially affected counties and cities.
- Organizations having a history of supporting coastal restoration and species protection, such as the American Coastal Coalition and the National Wildlife Federation.

TASK D – IMPLEMENTATION

I.) Town of Dauphin Island Activities

TDI will take the lead in conducting the following activities:

- a.) TDI will formally request the legislation which will require the federal government to restore the Dauphin Island coastline. It is anticipated that the first contacts with members of the Alabama Congressional Delegation will be made by the Mayor and/or Town Manager/Clerk in late December 2007 or at the latest early in January 2008,
- b.) The Mayor, Town Manager/Clerk, appropriate Council Members, and/or Town technical staff will be available as necessary for meetings with elected officials in Alabama and/or Washington, DC
- c.) The Mayor, Town Manager/Clerk, and appropriate Council Members will determine whether it is advisable to contact Alabama and Mississippi officials to request their support. If the decision is to request support, TDI will make the initial contacts with Alabama officials. TDI and MCA will jointly contact Mississippi officials.

II.) Monterey Consulting Associates, Incorporated Activities

MCA will take the lead in the implementation of the following activities.

- a.) Contacting and making presentations to organizations having a history of supporting coastal restoration and species protection, and requesting their advocacy and active support.
- b.) Making presentations to Senators, Representatives, Committee and Congressional Staff, and policy level personnel (and in the Administration and ACOE if required) who are potential decision makers.
- c.) Providing additional information and answering questions posed by Senators, Representatives, Committee and Congressional staff, and other policy level personnel.
- d.) Monitoring the status of the legislation/funding requests and the introduction and mark up of the selected Authorization and Appropriations Bills.
- e.) Attending and reporting on hearings conducted by relevant Authorization and Appropriations Committees that can potentially influence the requested legislation.
- f.) Preparing Authorization/Appropriations request materials required by Congressional Committees and Member Offices.
- g.) Writing suggested language for Authorization and Appropriations Acts.

TIMING

Based on the likely Authorization and Appropriations schedules documented in "Authorization/Appropriations Processes and Timelines", time is of the essence in order to obtain the requested legislation in the Second Session (which begins in January 2008) of the 110th Congress. Recommended timelines for some of the implementation activities are the following:

- a.) Item A, "Preparation of Supporting Materials", and Item B, "Development of Legislative Strategy" should be completed in December, 2007.
- b.) The first contacts made by the Mayor and/or Town Manager/Clerk with Members of the Alabama Congressional Delegation should occur in late December 2007, or at the latest in early January 2008.
- c.) Contacting and attempting to gain the support of potentially interested outside entities should occur in late December 2007 or early January 2008.
- d.) Meetings and presentations to Alabama Congressional Delegation staff in Washington, DC should occur in January or early February, 2008.
- e.) The timing of all other required activities will be dictated by the Congressional schedule (similar to that presented in "The Authorization/Appropriations Process and Timelines" on page 1).

FEES AND EXPENSES

I.) Fees for Professional Services

MCA will provide the professional services to assist in implementing the effort to obtain legislation requiring the federal government to restore the Dauphin Island coastline for a monthly retainer of four thousand five hundred (\$4,500.00) dollars. The contract will be for a duration of eleven (11) months.

II.) Expenses

TDI will reimburse MCA for expenses including travel, lodging, ground transportation, parking, telephone/fax, information technology, and entertainment as they are incurred. Expenses will be initially capped at three thousand (\$3,000.00) dollars. However, if TDA determines that due to additional scope of work requirements additional expenses are justified (such as additional travel) TDI will have the option to increase the expense allocation. TDI will approve in advance expenses for each individual item in excess of four hundred (\$400.00) dollars.

III.) Payment Schedule

It is proposed that the contract be initiated as of November 15, 2007 and continue through the conclusion of the 2008 (fiscal year 2009) Authorization/Appropriations cycle. The monthly retainer of four thousand five hundred (\$4,500.00) dollars for the first month (November 15, 2007 through December 15, 2007) will be due and payable upon contract signing. The monthly retainer for each additional month thereafter will be due and payable within thirty (30) days of the submission of the invoice for that month. All expenses shall be paid within thirty (30) days of submission of an expense invoice.

LITIGATION

This Agreement shall be governed and interpreted by, and construed in accordance with the laws of the State of Alabama. Any litigation involving this Agreement shall be brought in the courts of Mobile County in the State of Alabama.

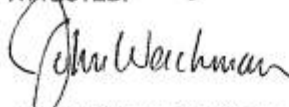
IN WITNESS WHEREOF, the Town of Dauphin Island has hereunto set its hand and seal on this the 21 day of December, 2007.

TOWN OF DAUPHIN ISLAND



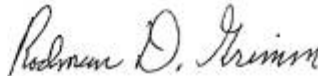
Jeff Collier
Mayor, Town of Dauphin Island

ATTESTED:



John Weichman, City Clerk

**MONTEREY CONSULTING
ASSOCIATES, INCORPORATED**



Rodman D. Grimm
President

**SHORT FORM OF AGREEMENT
BETWEEN OWNER AND ENGINEER
FOR
PROFESSIONAL SERVICES**

THIS IS AN AGREEMENT effective as of June 1, 2010 ("Effective Date") between
the Town of Dauphin Island, Alabama ("Owner")
and South Coast Engineers, LLC ("Engineer")
Engineer agrees to provide the services described below to Owner for Beach and Barrier Island
Restoration Engineering Study ("Project").

**Description of Engineer's
Services:**

The Engineer's services shall be the services attributed to South Coast Engineers, LLC in Exhibit "A"
Scope of Services and Fee

Owner and Engineer further agree as follows:

1.01 Basic Agreement

A. Engineer shall provide, or cause to be provided, the services set forth in this Agreement, and Owner shall pay Engineer for such Services as set forth in Paragraph 9.01.

2.01 Payment Procedures

A. *Preparation of Invoices.* Engineer will prepare a monthly invoice in accordance with Engineer's standard invoicing practices and submit the invoice to Owner. Compensation to the Engineer shall be computed based on percent complete plus reimbursable expenses up to the maximum compensation authorized.

B. *Payment of Invoices.* Invoices are due and payable within 30 days of receipt. If Owner fails to make any payment due Engineer for services and expenses within 30 days after receipt of Engineer's invoice, the amounts due Engineer will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day. In addition, Engineer may, without liability, after giving seven days written notice to Owner, suspend services under this Agreement until Engineer has been paid in full all amounts due for services, expenses, and other related charges. Payments will be credited first to interest and then to principal.

3.01 Additional Services

A. If authorized by Owner, or if required because of changes in the Project, Engineer shall furnish services in addition to those set forth above.

B. Owner shall pay Engineer for such additional services as follows: For additional services of Engineer's employees engaged directly on the Project an amount equal to the cumulative hours charged to the Project by each class of Engineer's employees times standard hourly rates for each applicable billing class; plus reimbursable expenses and Engineer's consultants' charges, if any.

4.01 Termination

A. The obligation to provide further services under this Agreement may be terminated:

1. For cause,

a. By either party upon 30 days written notice in the event of substantial failure by the other party to perform in accordance with the Agreement's terms through no fault of the terminating party.

b. By Engineer:

1) upon seven days written notice if the Engineer believes that Engineer is being requested by Owner to furnish or perform services contrary to Engineer's responsibilities as a licensed professional; or

2) upon seven days written notice if the Engineer's services for the Project are delayed or suspended for more than 90 days for reasons beyond Engineer's control.

3) Engineer shall have no liability to Owner on account of such termination.

c. Notwithstanding the foregoing, this Agreement will not terminate as a result of a substantial failure under paragraph 4.01.A.1.a if the party receiving such notice begins, within seven days of receipt of such notice, to correct its failure and proceeds diligently to cure such failure within no more than 30 days of receipt of notice; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such 30 day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein shall extend up to, but in no case more than, 60 days after the date of receipt of the notice.

2. For convenience, by Owner effective upon the receipt of notice by Engineer.

B. The terminating party under paragraphs 4.01.A.1 or 4.01.A.2 may set the effective date of termination at a time up to 30 days later than otherwise provided to allow Engineer to demobilize personnel and equipment from the Project site, to complete tasks whose value would otherwise be lost, to prepare notes as to the status of completed and uncompleted tasks, and to assemble Project materials in orderly files.

5.01 Controlling Law

A. This Agreement is to be governed by the law of the State of Alabama.

6.01 Successors, Assigns, and Beneficiaries

A. Owner and Engineer each is hereby bound and the partners, successors, executors, administrators, and legal representatives of Owner and Engineer (and to the

extent permitted by paragraph 6.01.B the assigns of Owner and Engineer) are hereby bound to the other party to this Agreement and to the partners, successors, executors, administrators, and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements, and obligations of this Agreement.

B. Neither Owner nor Engineer may assign, sublet, or transfer any rights under or interest (including, but without limitation, moneys that are due or may become due) in this Agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.

7.01 General Considerations

A. The standard of care for all professional engineering and related services performed or furnished by Engineer under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Engineer makes no warranties, express or implied, under this Agreement or otherwise, in connection with Engineer's services. Engineer and its consultants may use or rely upon the design services of others, including, but not limited to, contractors, manufacturers, and suppliers.

B. Engineer shall not at any time supervise, direct, or have control over any contractor's work, nor shall Engineer have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected or used by any contractor, for safety precautions and programs incident to a contractor's work progress, nor for any failure of any contractor to comply with laws and regulations applicable to contractor's work.

C. Engineer neither guarantees the performance of any contractor nor assumes responsibility for any contractor's failure to furnish and perform its work in accordance with the contract between Owner and such contractor.

D. Engineer shall not be responsible for the acts or omissions of any contractor, subcontractor, or supplier, or of any contractor's agents or employees or any other persons (except Engineer's own employees) at the Project site or otherwise furnishing or performing any of construction work; or for any decision made on interpretations or clarifications of the construction contract given by Owner without consultation and advice of Engineer.

E. The general conditions for any construction contract documents prepared hereunder are to be the "Standard General Conditions of the Construction Contract" as prepared by the Engineers Joint Contract Documents Committee (No. C-700, 2002 Edition).

F. All design documents prepared or furnished by Engineer are instruments of service, and Engineer retains an ownership and property interest (including the copyright and the right of reuse) in such documents, whether or not the Project is completed.

G. To the fullest extent permitted by law, Owner and Engineer (1) waive against each other, and the other's employees, officers, directors, agents, insurers, partners, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to the Project, and (2) agree that Engineer's total liability to Owner under this Agreement shall be limited to \$50,000 or the total amount of compensation received by Engineer, whichever is greater.

H. The parties acknowledge that Engineer's scope of services does not include any services related to a Hazardous Environmental Condition (the presence of asbestos, PCBs, petroleum, hazardous substances or waste, and radioactive materials). If Engineer or any other party encounters a Hazardous Environmental Condition, Engineer may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Project affected thereby until Owner: (i) retains appropriate specialist consultants or contractors to identify and, as appropriate, abate, remediate, or remove the Hazardous Environmental Condition; and (ii) warrants that the Site is in full compliance with applicable Laws and Regulations.

8.01 Total Agreement

A. This Agreement (consisting of pages 1 to 4 inclusive together with any expressly incorporated appendix), constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.


9.01 Payment (Fixed Fee Basis)

A Using the procedures set forth in paragraph 2.01, Owner shall pay Engineer as follows:

1. A fixed fee of \$ 274,878

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, the Effective Date of which is indicated on page 1.

OWNER:

By: 
Jeff Collier

Title: Mayor, Town of Dauphin Island

Date Signed: 6-4-10

ENGINEER:

By: 
Scott L. Douglass

Title: President, South Coast Engineers, LLC

Date Signed: 6/4/10

License or Certificate No. and State PE 28160, Alabama

Address for giving notices:

Town of Dauphin Island

1011 Bienville Blvd.

Dauphin Island, AL 36528

Address for giving notices:

South Coast Engineers, LLC

P.O. Box 72

Fairhope, AL 36532

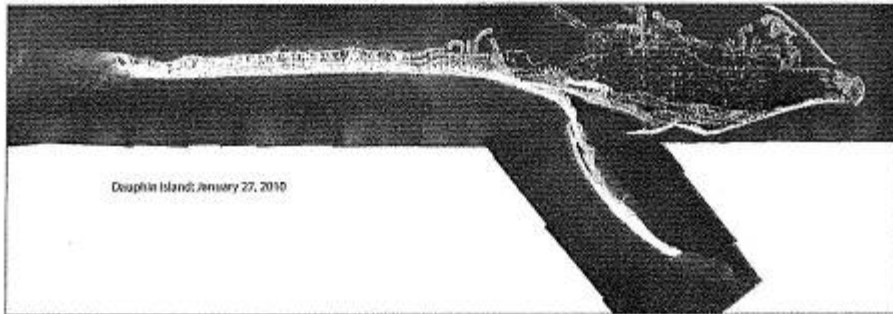
Exhibit "A" Scope of Services and Fee (part 1 of 2)

Project Narrative Attachment

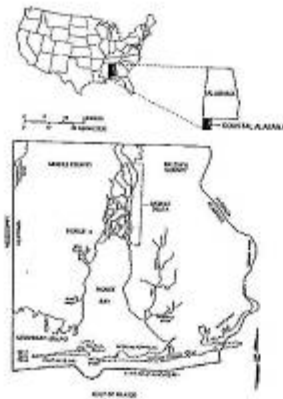
Town of Dauphin Island

Beach and Barrier Island Restoration Engineering Study

With this award, the Town of Dauphin Island will develop the design of a beach and barrier island restoration project for critically eroded areas of Dauphin Island, Mobile County, Alabama.



The importance and applicability of the project cannot be understated – barrier islands such as Dauphin Island, Alabama are critical to the protection of island-based and coastal mainland ecosystems and represent regional significant economic drivers. This project embodies a number of attributes that are relevant to NOAA's mission. Specifically, this project will provide the design for restoring coastal and marine habitat for threatened and endangered species and also benefit species of concern; preservation of coastal wetlands through shoreline restoration or hydrological reconnection; protection of communities and infrastructure through habitat restoration to improve coastal resiliency to storms and flooding; and improvement of coastal habitat to respond to climate change through restoration or protection of transition zones that provide room for habitat migration with sea level rise.



The social, economic, ecological and cultural factors that influence coastal communities such as the Town of Dauphin Island (Town or Island) are complex. These factors ultimately create the linkage between the cultural and social resources present in the community and the inherent natural coastal resources. For example, economies and social activities are often ecotourism-based with festivals, celebrations, and community events focused on the natural and historic resources present within coastal communities. For many coastal communities the challenge is to use the presence of tourists or

seasonal residents to achieve local priorities and economic activity. As such, community priorities include protecting the resources and fostering sustainable economic situations that engenders respect for resources. Additionally, coastal communities such as the Island have seen their economies and social networks morph through time away from the "natural resource factory" model where they were dependent on harvesting of sea life or other local resources to a model where their economies are linked to tourism, retirees and second home constituencies. These constituencies tend to develop and support local natural resource social activism and recognize the direct ecosystem-to-economic linkage. Consequently, these communities understand the delicate balance between ecosystem-to-economic base use, loss, conservation and restoration possibilities.

It is from this unique coastal community understanding of the linkages between social, cultural and natural resources that the Town is pursuing this project. In recognizing the priority of protecting the Town's coastal resources but also doing what is necessary to sustain and grow the local economy the Town is pursuing economic growth, but in a way that engenders respect, sustainability and appreciation of its unique resources. Through this project we hope to preserve the unique social, cultural and natural resources located on Dauphin Island and develop our plan to mitigate the threat to these resources. The following links are provided to provide further understanding of the social, cultural and natural resources located on the Island:

- Town of Dauphin Island (www.townofdauphinisland.org),
- Dauphin Island Park and Beach Board (www.dauphinisland.org),
- Dauphin Island Sea Lab (www.disl.org).

The Town of Dauphin Island will contract with a team of consultants including South Coast Engineers, LLC to develop a design of a beach and barrier island restoration project for critically eroded areas of Dauphin Island. At this time, the team of consultants envisioned for this work includes Coastal Planning & Engineering, Inc. (CPE) working with WRSCCompass (as a sub-consultant to CPE) for the majority of the coastal engineering analysis/design and Coastal Technology Corporation (Coastal Tech) for independent quality assurance and peer-review services throughout the study process. This CPE/WRSCCompass team was the primary selection for the lead design firm from a qualifications-based selection process conducted by South Coast Engineers on behalf of the Town of Dauphin Island that concluded in February 2010. Subcontracts have not been established with either of these two groups (CPE/WRSCCompass or Coastal Tech) for this work at this time but will be when this grant is received.

The barrier island and beach restoration project design will be to create a plan for a beach nourishment project consisting of the direct placement of large amounts of good quality sand on the beach to widen the beach and create a sand dune system. The conceptual design phase will include the development of cost estimates for several alternatives for construction including different beach widths. This conceptual design will incorporate sediment budget analysis including the historic shoreline and volumetric loss rates to develop estimates of volumes of sand required for initial construction and future renourishments. This phase will consider the possible use of coastal structures to aid in the retention of sand within the project limits. The final design documents and the permit applications will be based on the preferred alternative. (Actual barrier island and beach restoration will not take place under this award.)

This work will be closely coordinated with and will use the results of the presently ongoing study focused on a conceptual design of a solution for the east end of Dauphin Island. That presently ongoing effort is funded by NOAA Award No. NA09NOS463026. There will not be duplication of work.

The "east end" beach of the island is generally understood to be the three or so miles of south-facing beaches to the west of Ft. Gaines. These are the beaches to the east of the location where the former Pelican Island is now attached as a peninsula extending south from Dauphin Island from the fishing pier (the right side of the photo mosaic above). The "west end" beach of Dauphin Island is meant, for the purposes of this grant application, as the Gulf of Mexico beaches between the Pelican Island/Peninsula attachment location to the west end of the present-day island (left side of the photo mosaic above). There is presently a storm-induced breach at the end of that western location that is locally called "Katrina Cut" and is essentially a mile-plus wide inlet through an undeveloped portion of Dauphin Island. There are seven or eight miles of undeveloped barrier island to the west because of this breach. This grant application does not refer that undeveloped portion of Dauphin Island that could be, but is not, called West Dauphin Island (the part which is not shown in above mosaic) except for three survey profile lines mentioned in Task II.A. below.

The proposed scope of work is in 10 tasks:

Task I. Project Management, Coordination and Informational Meetings

The overall project manager, South Coast Engineers, will coordinate all CPE activities related to the project, monitor the project schedule and the quality assurance and peer review services by Coastal Tech. Project coordination will be maintained through South Coast Engineers as agents for the Town of Dauphin Island. Three progress meetings will be held with the Town and include a presentation at a public information forum on request. A web-page on the Town's web-site that explains the study process, findings and results will be updated and maintained throughout the duration of the project (<http://www.townofdauphinisland.org/default.asp?ID=81>)

Task II. Beach and Bathymetric Survey

A. Survey Overview

This survey is designed to provide the topographic and hydrographic survey data necessary for the preliminary design of the west end beach and barrier island restoration project and to aid in numerical modeling of the project area. Beach profiles will be collected within the project area of the west end beaches at approximately 500' spacing. Profile collection will begin at the Dauphin Island Pier and continue west to the end of the island. Whenever possible, existing profile control will be used for comparison purposes. Profiles will extend offshore 3000' or to the depth of closure; whichever is least. Selected profiles will extend landward (north) across Dauphin Island into the back bay to capture overwash events. Three additional profiles will be collected to west of the storm breach (locally called Katrina Cut) on the adjacent section of land. Further, a sufficient number of cross-sections will be collected within the breach to establish current condition. The mean high water will be derived using profile data. Any structures

protruding into survey area will be roughly located (generally houses and boardwalks). No underground utilities or jurisdictional boundaries will be located during this survey.

B. Survey Details and Procedures

Prior to the start of the survey, a reconnaissance of the monuments will be conducted to confirm that the survey control is in place and undisturbed. Real Time Kinematics (RTK) Global Positioning System (GPS) will be used to locate and confirm the survey control for this project. If necessary, GPS static methods will be used to establish high order control if none is locally available. All data will be collected relative to the North American Datum on 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88). All coordinates will be referenced to the Alabama State Plane System.

Typical cross-sections of the beach in the project area will be surveyed using extended rod RTK GPS rovers, standard RTK GPS rovers, and differential leveling techniques. Typical profiles commence from a predefined upland point and extend seaward overlapping the nearshore hydrographic data. Landward extents of the upland survey will extend into the back bay of Dauphin Island (selected profiles), or 150 feet landward of the edge of vegetation, or until a hard shot is collected (roadway) or an obstacle is encountered. The nearshore survey will be conducted using a sounder with digitizer fathometer with a hull-mounted transducer. A RTK GPS and a TSS Motion Compensator will be used onboard the survey vessel to provide instantaneous tide corrections as well as heave, pitch, and roll corrections. Nearshore profiles extend seaward to the project limits. The landward limits of the nearshore profiles will be based on a minimum overlap of fifty (50) feet beyond the seaward extent of the nearshore beach profiles.

Manual tide readings will be taken while conducting the profile surveys. In order to maintain the vessel navigation along the profile lines, the navigation software will be used. This software provided horizontal position to the sounding data allowing real-time review of the profile data in plan view or cross section format. The software will also provide navigation to the helm to control the deviation from the online azimuth. Horizontal and vertical positioning checks will be conducted at the beginning and end of each day using 2nd order monuments located in the project area. The sounder will be calibrated via bar-checks and a sound velocity probe at the beginning and end of the day. Bar checks will be performed from a depth of five feet to a minimum depth of twenty-five feet. Analog data showing the results of the bar check calibration will be displayed on the sounder charts at five foot increments during descent and ascent of the bar.

Survey deliverables will include a certified topographic and hydrographic survey map with corresponding digital data. Control tabulation (profiles stations and permanent GPS control stations); survey field notes; and digital ground photography will also be developed.

Task III. Geotechnical Investigations for Borrow Area Development

A. Geotechnical Investigations Overview

The physical and ecological performance of barrier island and beach restoration projects is critically dependent on the quality (mineral, size and distribution) of the sand used for construction. Based on recent work it appears that there may be sufficient quantities of quality sand in the Sand Island Beneficial Use Area (southwest of the Sand Island Lighthouse) where sand dredged for maintenance of the outer bar of the Mobile Ship Channel has been placed. However, other potential locations will be investigated. It appears that adequate sources of sand can be found in state waters but federal waters may be investigated in coordination with MMS.

The field investigations needed to develop sediment resources for a restoration project for Dauphin Island will include design level geophysical and geotechnical surveys and a cultural resource investigation. A comprehensive multi-day seismic reflection profiling, sidescan sonar, bathymetric and magnetometer survey will be conducted over the investigation area. Following the design level geophysical survey, vibracores will be collected within the investigation area in order to obtain sufficient data to design a borrow area for the project. Following the design level geotechnical investigations, a multi-day cultural resource investigation will be conducted (listed as Task IV below)

Recent findings of the reconnaissance level investigations for the east end of Dauphin Island will be considered in the planning process. In addition, historic datasets available for the western island study area (bathymetry, seismic, sidescan, bottom samples, vibracores, etc.), NOAA bathymetry datasets and morphologic maps will be evaluated and analyzed in a GIS (Geographical Information System) framework in order to provide background information. The information gathered during this phase will be evaluated and incorporated in the existing GIS database that, in turn, will be used to develop the design level geotechnical investigation plan.

B. Design Level Geotechnical Survey

A multi-day joint seismic reflection profiling, bathymetric, sidescan sonar and magnetometer survey will be conducted. The purpose of the survey will be to conduct remote sensing studies in order to define potential borrow areas for use in the project. A description of the equipment and methods is provided below.

1. Remote Sensing Geophysical Survey Equipment

a. Navigation System

A Kinematic Global Positioning (RTK GPS) system with dual frequency receivers will be used on board the survey vessel to provide high-precision navigation and instantaneous tide corrections. A software system will be used to maintain the vessel navigation along the profile lines and will allow the integration of RTK GPS vertical and horizontal positioning with the sounding data, allowing real time review of the profile data in plan view or cross section format.

b. Seismic Reflection Profile Surveys

A seismic sub-bottom system will be used to conduct the seismic reflection profile surveys. A wideband FM sub-bottom profiler will collect digital normal incidence reflection data over many frequency ranges. This type of instrumentation generates cross-sectional images of the seabed (to a depth of up to 50 ft). The system will transmit an FM pulse that is linearly swept over a full spectrum frequency range (also called a "chirp pulse"). The tapered waveform spectrum results in images that have virtually constant resolution with depth.

Throughout the offshore seismic reflection survey, selection of the chirp pulse will be modified in real time to obtain the best possible resolution of geological features and the sequence stratigraphy (*i.e.* vertical sequence and lateral distribution of sediment bodies comprised by different grain sizes and sediment composition) that in turn optimizes data quality and aids subsequent interpretation. High frequency and/or short duration pulses are, for example, used to obtain highest resolution (clearest reflector image) in near surface situations while low frequency or longer duration pulses are used where deeper penetration is required.

c. Bathymetric Survey

A single frequency portable hydrographic echo sounder, will be used to perform the bathymetric portion of the remote sensing survey. The echo sounder will operate on a frequency of 210 kHz and is a digital, survey-grade sounder. The sounder will be calibrated using a speed-of-sound velocity meter. Speed of sound through water and other selected parameters will be adjusted to accurately reflect physical water conditions in the survey area.

d. Sidescan Sonar Survey

A sidescan sonar system will be used to collect sidescan sonar data over the entire area of investigation. The system will use full-spectrum chirp technology to deliver wide-band, high-energy pulses coupled with high resolution and superb signal to noise ratio echo data. The side scan sonar will aid in the location of underwater infrastructure (pipelines, etc.) associated with the petroleum industry in addition to mapping the Gulf bottom for borrow area development purposes.

e. Magnetometer Survey

A marine magnetometer will be used to perform a preliminary investigation of magnetic anomalies within the potential sediment sources. This survey will be conducted along with the seismic, sidescan sonar and bathymetric survey. The purpose of the magnetometer survey is to locate the presence of any wrecks, hazards or infrastructure features that would affect borrow area delineation and dredging activities. This survey will be used as reconnaissance for the cultural resources survey (Task IV below), which will be conducted at the conclusion of the geotechnical investigation.

2. Geophysical Data Analysis

The geophysical survey data will be stored in a digital format. The data acquisition system will digitize, store, and process seismic signals and combines the seismic imagery with navigational inputs to georeference data in real-time. Hardcopy records will also be produced during data acquisition. The digital sidescan data will be merged with the positioning data, video displayed, and recorded to the acquisition computer's hard disk for post processing and/or replay.

All sidescan sonar and seismic reflection data will be processed using a software package which allows for advanced processing, interpretation, and digital mosaic output and can produce georeferenced HTML's viewable in generic web-browser software programs. The package also produces digital geographic information for both sub-bottom and sidescan data that are exportable for incorporation into a GIS database. All sidescan sonar, sub-bottom profile, magnetometer and bathymetric data will be processed and interpreted by a geologist with expertise in beach nourishment borrow area design.

3. Vibracore Survey

A vibracore survey plan will be developed based on the results of the remote sensing geophysical survey. Vibracoring will be conducted to investigate promising sediment locations identified during the geophysical survey. The total number of vibracores collected will be determined based on field findings (over 20).

a. Vibracore Planning

Based on the results of the seismic, side-scan sonar, magnetometer and bathymetric surveys, those areas containing potential sand resources which meet other engineering and planning criteria will be considered for vibracoring investigation. Planned vibracore positions will be located on the bathymetric and isopach charts to determine preliminary core placement. The final product will be an isopach and bathymetric chart showing the location of the planned vibracores.

b. Vibracore Equipment

A pneumatic vibracore, configured to collect undisturbed sediment cores up to 20 ft in length, will be used for this investigation. This self-contained, free-standing pneumatic vibracore unit contains an air-driven vibratory hammer assembly, an aluminum H-beam which acts as the vertical beam upright on the seafloor, 20-ft long steel tubes measuring 3.5" in diameter (with a plastic core liner) and a drilling bit with a cutting edge. An air hose array provides compressed air from the compressor on deck to drive the vibracore.

c. Vibracore Acquisition

At each planned core location, a vibracore will be obtained. If field measurements indicate that less than 80% recovery has been achieved from the initial vibracore, then an additional core will be attempted at that location, or a hydraulic jetting technique may be used to attempt to sample below previously

retained material. In the event jetting is used, the recovery of the original vibracore and additional vibracore sections will be combined to determine the sediment regime at that location.

The location and spacing of vibracores will follow guidelines recommended by the U.S. Army Corps of Engineers. Proposed vibracore locations will be identified prior to field operations. However, the actual vibracore locations will be determined while in the field, adjusted based on the results of the ongoing vibracore investigation.

The vibracores will provide up to a maximum of 20 feet of the stratigraphic record of the sediments. The initial vibracores placement will be conducted for reconnaissance purposes within promising sand deposits within the study areas. The reconnaissance cores will be split on the survey vessel and visually and texturally evaluated by a geologist with expertise in borrow area delineation to judge the quality of the sediments. From the results of the field evaluation of the reconnaissance cores, the geologists will readjust the placement of the remaining vibracores, as necessary, to optimize core placement. The remaining cores will be taken in areas having the highest potential for borrow area development.

4. Geotechnical Data Analysis

a. *Vibracore Sediment Sample Analysis*

Upon completion of vibracoring field operations, all vibracores will be transported to a laboratory for analysis. The vibracores will be logged in detail by describing sedimentary properties by layer in terms of layer thickness, color, texture (grain size), composition and presence of clay, silt, gravel, or shells and any other identifying features. The sedimentary appearance of each vibracore will be documented through photography in 2.0 ft intervals. Sediment samples will be extracted from the vibracores at irregular intervals based on distinct stratigraphic layers in the sediment sequence. The vibracores will then be wrapped and archived. Cores will be stored until completion of the shore protection project.

b. *Mechanical Sieve Analysis*

The sediment samples will be analyzed to determine color and grain size distribution. During sieve analysis, any obvious uncharacteristically large fragments (such as whole shell or large shell fragments) will be removed and the description (weight and size) of the material will be determined. The wet, dry and washed Munsell colors will be noted. Sieve analysis of the sediment samples will be performed in accordance with the American Society for Testing and Materials (ASTM) Standard Methods Designation D 422-63 for particle size analysis of soils. This method includes the quantitative determination of the distribution of sand size particles. For sediment finer than the No. 230 sieve (4.0 phi) the ASTM Standard Test Method, Designation D 1140-00 will be followed. The sieve stack used for mechanical analysis is provided in Table 1 and will follow the sieve analysis conducted for the eastern end of Dauphin Island.

Weights retained on each sieve will be recorded cumulatively. During sieve analysis the visually estimated percentage of shell retained on the 3/4" sieve through the #7 sieves will be determined. Grain size results will be entered into a software program which computes the mean and median grain size, sorting and silt/clay percentages for each sample using the moment method.

Table 1. Mesh sizes to be used for granulometric analysis.

Sieve No.	Size (phi)	Size (mm)
5/8	-4.0	16.00
7/16	-3.5	11.20
5/16	-3.0	8.00
3 1/2	-2.5	5.60
5	-2.0	4.00
7	-1.5	2.80
10	-1.0	2.00
14	-0.5	1.40
18	0.0	1.00
25	0.5	0.71
35	1.0	0.50
40	1.25	0.42
45	1.5	0.36
50	1.75	0.30
60	2.0	0.25
70	2.25	0.21
80	2.5	0.18
120	3.0	0.13
170	3.5	0.09
200	3.75	0.08
230	4.0	0.06

5. Sediment Compatibility Evaluation and Sand Source Selection

The composite characteristics of the borrow areas will be evaluated for compatibility with native beach sand. Granulometric measures will be composited by using weighted averages. Composite mean grain size, percent silt, and sorting for each core will be computed by weighted average. The sieve analysis results for each sample will be weighted by the length of the core represented by that sample. The average weighted mean grain size, percent silt, and sorting for the borrow area will be computed by averaging the weighted results for all cores within the limits of the borrow area. Composite calculation summary tables, composite grain size distribution curves/histograms and composite gradation analysis reports will be provided.

Using the geotechnical information, potential borrow area(s) will be designed. The borrow areas will be designed to provide beach compatible sediment for the project. The borrow areas will also be designed to be efficiently excavated by dredging equipment, providing a scenario which promotes higher production rates for material placement on the beach resulting in a lower unit cost for fill placement. The selected borrow area will be located as close as possible (within accepted engineering standards) to the project area to limit the sediment pumping distance, also helping to reduce project costs. The borrow area volume will include a factor of safety, taking into consideration sediment losses in the dredging process and allowing for the availability of additional material in the event that additional fill is required to address recent erosion events on Dauphin Island.

C. Geotechnical Results Report Development

The draft Geotechnical report will be prepared and submitted in both digital and hardcopy format. A review process will identify any revisions that may be desirable or necessary and provide recommendations for the final report. A final report summarizing the results of the geotechnical investigation will be prepared. This report will include project results, including bathymetric and isopachous (sediment thickness) maps, sub-bottom (seismic) survey profiles, vibracore logs, vibracore photographs, granulometric reports and grain size distribution curves and will be provided to the regulatory agencies during the permitting process.

Task IV. Cultural Resource Survey

After the collection and analysis of vibracores and identification of potential borrow areas, a cultural resource investigation will be conducted. This investigation will supplement the data acquired during the reconnaissance geophysical investigation in order to provide the 30 meter line spacing required to perform the cultural resource assessment. The cultural resources investigation will consist of two elements, field study and report preparation. A densified magnetometer survey will be conducted to locate and provide sufficient data to evaluate magnetic anomalies within the potential borrow areas. The State of Alabama requires a magnetometer survey to locate all magnetic anomalies in or near borrow areas in order to avoid sites that may be of historical or archeological significance, such as historic shipwrecks. A magnetometer, integrated with DGPS will be towed by the survey vessel. Survey tracklines will be run across the potential borrow area to locate any magnetic anomalies. Those anomalies, which are judged by a professional marine archeologist to be of potential historical or archeological significance will be excluded from the borrow area to be used for beach nourishment. The establishment of a buffer zone around sites of potential importance may be required. The cultural resource study information will also be provided to the selected dredge contractor for their consideration in dredging the borrow area and constructing the beach nourishment project, and will include not only cultural resources, but any magnetic anomaly target which may affect excavation operations. This survey will also be used to confirm the location of any petroleum industry infrastructure, such as pipelines, in the vicinity of the borrow areas. At the conclusion of the field studies and identification of each magnetic anomaly, a report will be prepared and provided to the State.

Task V. Preliminary Engineering Design

In the preliminary phase of the design effort, available information will be considered in the development of the project size and scope for the west end of Dauphin Island (Gulf of Mexico beaches west of where Pelican Island is now attached as a peninsula). This Task will provide a level of design equivalent to that being produced for the east end by the presently ongoing study effort.

Preliminary project considerations will be addressed in communication with State and Federal agencies to develop an acceptable restoration project. Alternatives will include beach nourishment and may also consider the use of structures in specific circumstances where beach nourishment alone may not be sufficient to provide shore protection. A project design will be prepared for incorporation into the design document and permit applications. A cost estimate will be developed for the most feasible alternatives.

A. Existing Data Evaluation:

Data obtained from the conceptual studies conducted for the east end restoration project will be evaluated when addressing engineering issues for the west end project. Evaluation of beach and bathymetric survey information, beach volumetric change information, and geotechnical information will be conducted. The information gathered during this phase will be evaluated to determine the adequacy of information for project formulation and design, and will include an evaluation of any additional data requirement.

B. Coastal Littoral Process Analysis and Sediment Budget Development

The littoral processes that control the beaches and dunes of Dauphin Island will be analyzed. Historic survey data and the historic shoreline database will be used to provide the basis for analyzing coastal processes. Shoreline change and volumetric trends will be compared and analyzed in order to determine recent trends. In addition, the change in beach characteristics, including beach profile shape, slopes, equilibrium profile characteristics, depth of closure, and changes in the nearshore contours and island overwash will be evaluated, if sufficient information is available. The results of the shoreline and volumetric change analysis will be used to develop a sediment budget for Dauphin Island. The sediment budget analysis will be used to develop and evaluate conceptual beach fill projects.

C. Borrow Area Engineering Analysis

An estimate of the volume and dredge area for each potential borrow area will be evaluated. The compatibility of the sediment within the borrow areas will be compared to the beach sand samples collected during the field investigation. The compatibility will be judged using sediment characteristics as compared with the native beach sand and Dean's equilibrium profile method. The beach sand samples collected during the field investigations will provide the basis for the analysis and comparison to geotechnical investigation results for borrow area development.

D. Project Performance Expectation & Constraints

A design criteria and performance objective will be developed for the project that can be reviewed by Town officials. The design criteria will include not only project alternatives, but also proposed dimensions of the beach (and possibly if required, structures proposed to remediate the erosion problem). The alternatives proposed for evaluation in the feasibility study are beach nourishment, and beach nourishment with structural intervention. Project performance expectation will be evaluated using accepted methods incorporating cross-shore storm-induced erosion modeling such as SBEACH or EDUNE and longshore transport modeling based on the CERC equation and historical "losses" of sand from the project limits. The results of this task will be summarized in a report to the Town.

Task VI. Environmental Investigations and Biological Opinion Preparation

In order to satisfy Section 7 Consultation requirements in compliance with the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*), and the Fish and Wildlife Coordination Act of 1958, as amended (48 Stat. 401; 16 U.S.C. 661 *et seq.*), a current Biological Opinion (BO) issued by appropriate federal agencies is required with all JCP applications. This document is essential to initiating action on the permit by the federal resource agencies. An existing Regional Biological Opinion for Dredging of Gulf of Mexico Navigation Channels and Sand Mining (Borrow) Areas Using Hopper Dredges by COE Galveston, New Orleans, Mobile, and Jacksonville Districts (Consultation Number F/SER/2000/01287) issued by National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) may be applied to the project if hopper dredging is used. However, to receive a BO from the US Fish and Wildlife Service (USFWS) for listed species under that agency's jurisdiction, or to satisfy any additional consultation requirements of NMFS, a Biological Assessment (BA) is proposed.

Additionally, in compliance with the Magnuson-Stevens Fishery Conservation and Management Act of 1976, as amended (16 U.S.C. 1801), federal agencies must consult with NMFS to fulfill Essential Fish Habitat (EFH) consultations for federal agency actions that may adversely affect EFH.

In support of these documents, biologists will conduct a literature review to investigate the environmental setting of Dauphin Island and determine the environmental resources present in the project vicinity. Areas of interest will include the benthic habitats in the nearshore zone (in the area of fill placement and fill equilibration) and in the vicinity of the borrow areas. Each area will be assessed for containing essential fish habitats and potential for listed species (threatened and endangered species). Habitats of concern will be identified and considered in the development of the shore protection project. The environmental information obtained through the literature review will be incorporated into the permit applications and environmental documentation in support of obtaining a BO.

This task also includes an initial meeting with the USFWS and NMFS to obtain additional information and guidance on document development. This effort will include extensive agency

coordination, as well as conducting the necessary research and supportive data acquisition required to compile and submit the BA and EFH assessment. The documents prepared by CPE will serve as the basis for the USFWS and/or NMFS issuance of the Dauphin Island Beach Nourishment Project BO and permit approval. Each document will be prepared based on agency guidance in an effort to accelerate the federal agency schedule, and allow the USFWS and NMFS to expedite their review and approval.

Processing of the permit applications and/or the BO may result in regulatory requests to conduct field studies. Environmental field studies are not proposed in this scope of services but will be addressed in a separate scope of services if required by the regulatory agencies.

Task VII. Federal and State Permit Application, Processing and Coordination

Permits and project approvals will be required from the U.S. Army Corps of Engineers (USACE) and related federal regulatory agencies, and the Alabama Department of Environmental Management (ADEM). After the completion of geotechnical investigations and development of the preliminary engineering design, we will prepare for, and meet with the regulatory agencies to present our geotechnical information and preliminary design for Dauphin Island. The meetings will be held before the permit applications are prepared and submitted to the agencies. The purpose of the pre-submittal meetings will be to obtain input from the agencies before the formal permitting process is initiated, allowing the opportunity to proactively address potential permit concerns, to expedite the permitting and approval process. Separate meetings will be held with the USACE and the ADEM. Other meetings with other agencies will be held as needed (e.g. USFWS, NMFS, Alabama Historical Commission).

Permit application documents will be submitted to the Mobile District U.S. Army Corps of Engineers (USACE) and the State of Alabama for the barrier island and beach restoration project. Basic project information will be provided in the permit application for the project. Items contained within the initial application will include geotechnical investigation results (report), environmental information, project design details, fill placement volume, project justification and borrow area locations. Input from other Federal agencies will be solicited by the Mobile District USACE based on the information provided in the application. In addition to the information provided in the initial application, we will respond to another request from the Corps of Engineers and the State for information regarding the project. Upon receipt of the draft Federal permit, we will review the draft with the Town, specifically evaluating permit conditions. The Town will be advised regarding the permit conditions. The scope of services includes two meetings, one with the Corps of Engineers and other Federal regulatory agencies and one with the State of Alabama.

Task VIII. Final Design

The final design phase will include refinement of the preliminary engineering design. Offshore borrow areas will be further evaluated to utilize the best available sand from the borrow areas for nourishment purposes. Numerical modeling will be utilized to refine the project design, which

will optimize the fill to maximize storm protection benefit. The design berm, slope of the material, offshore construction toe of fill, and equilibrium toe of fill will be developed in the final design phase.

The modeling will include a detailed investigation of the impact of dredging the borrow area on the wave transformation and any resulting implications for sediment transport. Wave transformation modeling will be with either the Simulating Waves Nearshore (SWAN) model or the STWAVE model. Both models account for refraction, diffraction, and bottom friction of spectral waves. The model will use several nested grids with different cell spacing. A widely spaced grid will be used to simulate regional wave transformation from deep water to shallower water. A tighter grid will be used to simulate wave transformation along the inner shelf into the project area. Finally, a detailed grid will be used to simulate the water levels, currents, waves, sediment transport, and bathymetric changes. The wave transformation model will use existing hydrographic information previously for the study site, assuming that bathymetric data is available.

The final product will be the optimized shore protection project selected from three alternatives. Final design will provide the sediment volumes, beach widths, and elevation slopes to interception with the existing bottom beach tapers and other beach features throughout the project area, as well as structural features should structures be part of the optimized project. Based on this information, a final cost estimate will be developed for the shore protection project.

Task IX. Construction Plans and Specifications

Construction plans and specifications will be prepared for the project. The construction plans will include plan view and cross-sections for the construction of the beach renourishment project. Borrow area(s) will be delineated and the allowable depth of dredging indicated for each borrow area in order to place the appropriate quality and quantity of sand on the beach. Structures, if required, will also be addressed in the plans and specifications.

The specifications to be developed for the project will be divided into two general categories. The first section will include bidding requirements and basic contract forms supplied by the Town for retention of construction contractors. Bidding requirements will include the Invitation to Bid, Instructions to Bidders, Bid Form and other appropriate documents. The second part of the first section will include the contract forms. The Town form of contract will be included in this section. The section will include such items as the Certificate of Corporate Authority, Acknowledgements of the Contractor, Performance and Payment Bonds, Final Receipt and any special instructions.

The second section of the specifications will include General Conditions, Technical Provisions and Environmental Protection Measures. The General Conditions portion of the contract will include information related to the commencement, prosecution and completion of the work. It will address such issues as liquidated damages, performance of work by the contractor and subcontractors, and a designation of certain contractor personnel for tasks such as project

superintendent. The General Conditions will describe the basic layout of the shore protection project, address mobilization and demobilization from the project area and requirements for the acceptance sections of the beach fill. It will identify the method of payment to the contractor and the clauses for liquidated damages, if necessary. Project elements of a general nature will be included in this section. Lastly, this section includes the Town's right to terminate the contract, liability insurance, liens and legal issues.

The Technical Provisions will identify the details of the work to be accomplished. It will include the order of work, the project schedule, excavation requirements, beach fill requirements, structural construction requirements (if necessary), clean-up requirements, and other detailed issues related to construction. It will address issues such as nighttime operations, staging areas, access areas, hazardous material storage, and similar topics.

A section on environmental protection will be included within the specifications. This section will identify the important clauses contained in the permits, including a copy of the permits received for the project. The contractor will be advised that he/she is required by law to abide by all the conditions provided by Federal and State permits for the project. Issues to be addressed in this section include turbidity control, protection of environmental resources, restoration of landscape damage, maintenance of pollution control facilities, and a requirement for an environmental protection plan.

Task X. Quality Assurance and Peer Review Services

Coastal Technology Corporation (Coastal Tech) will provide Quality Assurance oversight for various study investigation task procedures, methods and assumptions (e.g., field work, numerical modeling and/or environmental sampling protocols), and Peer Review of draft design documents and other technical work products prepared by CPE/WRSCoastal for South Coast Engineers. Coastal Tech's involvement as an independent oversight and review entity will help to ensure that those products prepared and produced to serve as a subsequent basis for State and Federal regulatory reviews [e.g., NEPA consultations] and to support decision-making about various Project design and construction options by the Town and its stakeholders will be well-grounded in the science and defensible as state-of-practice.

Coastal Tech's involvement will also help the Town ensure that critical budget targets and schedules are met. The experience, judgment and - most importantly - the independent perspective of a peer reviewer is invaluable in identifying potential pitfalls and/or likely areas where the Project's design scope tasks might result in ambiguous initial results requiring additional services and unbudgeted cost. This insight, guidance and counsel more than offsets the cost of involving a designated Peer Reviewer from the beginning of a technical study, rather than simply reviewing products "after it is too late." The following is the basic approach to the oversight role:

A. Meeting/Workshops for Technical Review and Task Guidance:

The Quality Assurance oversight and Peer Review process will include a series of regularly scheduled face-to-face meetings/workshops at which comments and suggestions will be offered

on technical work completed through the time of the workshop and on plans for follow-on tasks which are intended to be performed during the next period. Coastal Tech will meet with South Coast Engineers and CPE/WRSCCompass and other stakeholders as might be identified by the Town to discuss and review the Workplan. The need and importance of the face-to-face collaborative dialog offered by these meeting/workshops in addressing the Workplan and comments is emphasized. Coastal Tech will summarize the results of each meeting and provide review comments, plus notes of the dialog and any conclusions reached and/or Scope modifications proposed. Coastal Tech will request, receive and review specific Workplans on a task-by-task basis from CPE for major scope items in advance of beginning substantial work on each of those tasks. These Workplans are intended to expand on the detail provided in the overall Project Scope of Work by identifying such specifics as relevant literature consulted, technical approaches, standards of practice to be applied, assumption made, resources to be used, proposed schedules and identification of any interim and final deliverables. Coastal Tech will provide technical comments on the Workplan provided and suggestions /feedback as to what areas of the approach, if any, might be strengthened and where potential time, budget and ambiguous results (traps) might be encountered. As noted, the comments will be provided in the spirit of acting as a peer 'sounding board' to help clarify the results and strengthen the products.

It is proposed that the meeting schedule begin with a preliminary scoping/planning effort followed by the workshops as described above on a monthly basis for the duration of the Study period. It is emphasized that this is a planning-level schedule based on past experience and is intended to be flexible. The workshop locations also may be varied as desired from the Town, to the offices of South Coast Engineers, or CPE, or if appropriate to the content of a particular task, to a field location or regulatory agency office.

B. Peer Review of Specific Technical Milestones:

At four critical points in the Study, substantial technical deliverables will be produced by the primary design team upon which will rest major decisions and which will undergo significant external scrutiny. A level of professional, technical peer review is necessary and appropriate beyond that provided by the on-going meetings/workshops as described above. Coastal Tech's deliverables for each of the Peer Reviews outlined below will be annotated documents/work products along with a summary letter report from the Coastal Tech subject matter expert explaining the comments and providing any specific recommendation for further clarifications and/or documentation. Coastal Tech will review:

1. Geotechnical Field Work Plan

Coastal Tech will work with the design team (CPE/WRSCCompass and South Coast Engineers) prior to mobilization and initiation of the field investigations for development of the borrow source to provide technical comments on the density, distribution and protocols proposed for the field sampling (geophysical data collection, vibracores, etc). Following completion of the field investigation, Coastal Tech will review the data, draft results and recommendations of the Study's Geotechnical work as it addresses the identification, investigation and design of a borrow source. Specifically, Coastal Tech's Coastal Geologist will review the geophysical data and associated interpretations, the vibracore logs and the laboratory tests on the proposed borrow area sediments and native beach sand. Coastal Tech will comment on the CP&E's characterization of the borrow

source(s) to include such points as suitability of sediments, volumes present and potential hindrances to their excavation and use. The deliverable for this sub-task will be annotated documents/work products along with a summary letter report from Coastal Tech's Coastal Geologist for each of the Field Work Plan and the final Geotechnical Investigation Report.

2. Numerical Modeling and Beach Fill Design

Coastal Tech will work with the design team prior to initiation of the numerical modeling and beach fill design task to confirm that the overarching project goals will be addressed and to identify which design alternatives, including use of supplemental structures, which will be modeled and analyzed. Coastal Tech's coastal engineering staff will offer technical comments on the proposed model application and implementation, including areas such as appropriateness of data to be used, assumptions and boundary conditions proposed, expectations for calibration and verification phases and characterization by the Consultant of typical "error limits" which might be expected in the results. Following completion of the modeling and characterization of design alternatives, Coastal Tech will provide further technical review of those recommendations and comments addressing relative potential for meeting Project goals, permissibility and constructability. The deliverable for this sub-task will be annotated documents/work products along with a summary letter report from Coastal Tech's Coastal Engineer for each of the proposed modeling/analysis approach and the final Design Recommendations Report.

3. Permit Applications

Coastal Tech will review and provide technical comments on the draft regulatory agency requests/permit applications prior to their submittal to the Agencies. Coastal Tech's Environmental Permitting staff and Biologist will offer technical comments on the appropriateness and completeness of the environmental data, analyses and conclusions proposed to be submitted for the State and Federal regulatory reviews. Coastal Tech will identify areas based on extensive prior experience with the regulatory process where there are likely to be Agency requests for additional information and/or design alterations or mitigation. The deliverable for this sub-task will be annotated documents/work products along with a summary letter report from Coastal Tech's Permit Specialist.

4. Plans and Specifications

Coastal Tech will review the Final Plans and construction Technical Specifications. Coastal Tech's engineering staff will provide technical comments on the plans and proposed construction addressing such items as Project phasing, contractor access/mobilization issues, environmental monitoring and permit compliance during construction and likely construction schedule/duration. A formal Peer Review of the Technical Specification will be completed. All work under this task will be performed by and/or under the direction of an Alabama-registered Professional Engineer who will

provide as a deliverable the annotated documents/work products along with a summary letter report.

Exhibit "A" Scope of Services and Fee (part 2 of 2)
Budget Narrative Attachment
Town of Dauphin Island
Beach and Barrier Island Restoration Engineering Study

This is the budget narrative for the grant application in response to Opportunity No. NOAA-NOS-ORR-2010-2002371 Town of Dauphin Island Engineering Study.

The following 19 pages include the task-by-task personnel and expense breakouts shown as estimated by firm (CPE/WRSSCompass, Coastal Tech, and South Coast Engineers). None of these firms are under contract at this point in time for this work.

The overall task-by-task summary is shown in the table on the next page (p. 2). For example, that table shows that the first task, Project Management, Coordination and Informational Meetings; is estimated to cost \$151,386 with \$74,842 of that by CPE/WRSSCompass and the balance of \$76,544 of that by South Coast Engineers. The detailed breakout of each of these numbers is explained in the remaining pages below.

Pages 3-5 show the breakout of South Coast Engineers estimated costs. Page 3 shows the summary by task. Page 4 shows the personnel costs and page 5 explains the South Coast Engineers travel costs.

Pages 6-19 show the breakout of CPE/WRSSCompass estimated costs. Page 6 shows the summary by task and pages 7 through 19 show the personnel, travel, and other expenses by task.

Page 20 shows the breakout of Coastal Tech's estimated personnel and travel costs. All those costs are associated with Task 10.

Budget Summary - Town of Dauphin Island Beach and Barrier Island Restoration Engineering Study
(attachment to Grant Application Package for opp NOAA-N05-ORR-2010-2002371)

Task	Cost	Cost Breakout by Firm		
		CPE/ WRSCompass	Coastal Tech	South Coast Engrs
Task 1. Project Coordination and Meetings	\$ 151,386	\$ 74,842		\$ 76,544
Task 2. Beach and Bathymetric Survey	\$ 71,917	\$ 59,917		\$ 12,000
Task 3. Geotechnical Services for Borrow Area Dev.	\$ 412,016	\$ 402,416		\$ 9,600
Task 4. Cultural Resource Survey	\$ 121,426	\$ 115,426		\$ 6,000
Task 5. Preliminary Engineering	\$ 132,490	\$ 88,850		\$ 43,640
Task 6. Environmental Review and Biological Assess	\$ 55,263	\$ 48,663		\$ 6,600
Task 7. Permit Application & Agency Meetings	\$ 100,942	\$ 84,442		\$ 16,500
Task 8. Final Design	\$ 207,528	\$ 159,458		\$ 48,070
Task 9. Construction Plans and Specifications	\$ 85,548	\$ 58,548		\$ 27,000
Task 10. Quality Assurance and Peer Review	\$ 159,984		\$ 131,060	\$ 28,924
Totals	\$ 1,498,500	\$ 1,092,562	\$ 131,060	\$ 274,878

South Coast Engineers estimated costs
(attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

Tasks	personnel	travel	total
Task 1. Project Coordination and Meetings	\$ 73,164	\$ 3,380	\$ 76,544
Task 2. Beach and Bathymetric Survey	\$ 12,000		\$ 12,000
Task 3. Geotechnical Services for Borrow Area Developments	\$ 9,600		\$ 9,600
Task 4. Cultural Resource Survey	\$ 6,000		\$ 6,000
Task 5. Preliminary Engineering	\$ 40,500	\$ 3,140	\$ 43,640
Task 6. Environmental Review and Biological Assessment	\$ 6,600		\$ 6,600
Task 7. Permit Application & Agency Meetings	\$ 16,500		\$ 16,500
Task 8. Final Design	\$ 46,500	\$ 1,570	\$ 48,070
Task 9. Construction Plans and Specifications	\$ 27,000		\$ 27,000
Task 10. Quality Assurance and Peer Review	\$ 21,900	\$ 7,024	\$ 28,924
TOTAL	\$ 259,764	\$ 15,114	\$ 274,878

South Coast Engineers personnel costs
(attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

Tasks	estimated hours			cost
	Engr	Principal	Sen Engr	
Task 1. Project Coordination and Meetings	384	215.8	80	\$73,164
Task 2. Beach and Bathymetric Survey	80	40.0		\$12,000
Task 3. Geotechnical Services for Borrow Area Developments	80	24.0		\$9,600
Task 4. Cultural Resource Survey	40	20.0		\$6,000
Task 5. Preliminary Engineering	300	40.0	80	\$40,500
Task 6. Environmental Review and Biological Assessment	40	24.0		\$6,600
Task 7. Permit Application & Agency Meetings	60	80.0		\$16,500
Task 8. Final Design	300	80.0	80	\$46,500
Task 9. Construction Plans and Specifications	200	80.0		\$27,000
Task 10. Quality Assurance and Peer Review	100	96.0		\$21,900
TOTAL				\$259,764

labor rates are \$75/hr for Staff Engr (C. Reid) and \$150/hr for Principal (Douglass) & Sen Engr (Webb)

South Coast Engineers - travel budget explanation
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

	<u>sub-total</u>	<u>cost</u>	<u>Notes</u>
<u>Extended trips to CPE:</u>			
plane	\$350		3 one-week trips
perdiem	\$820		orbitz
car	\$400		GSA rate for Boca Raton (164) (5X)
			359 Hertz rate plus gas
	\$1,570	\$4,710	
<u>Short trips to CPE or Coastal Tech:</u>			
plane	\$350		8 two-day person-trips
perdiem	\$328		GSA Boca Raton (2x for two people)
car	\$200		83/day Hertz quote
	\$878	\$7,024	
<u>trips to DI:</u>			
car	\$65		52 day trips
			130 mi @.50
	\$65	\$3,380	
		<u>\$15,114</u>	
	Total=	\$15,114	

Coastal Planning & Engineering, Inc - summary of estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

WESTERN DAUPHIN ISLAND PROPOSAL
 COASTAL PLANNING & ENGINEERING, INC.

FEE ESTIMATE SUMMARY
 3/21/2010

Task	Cost
Task 1. Project Coordination and Meetings	\$74,842
Task 2. Beach and Bathymetric Survey	\$59,917
Task 3. Geotechnical Services for Borrow Area Developments	\$402,416
Task 4. Cultural Resource Survey	\$115,426
Task 5. Preliminary Engineering	\$88,850
Task 6. Permit Application & Agency Meetings	\$84,442
Task 7. Environmental Review and Biological Assessment	\$48,663
Task 8. Final Design	\$159,458
Task 9. Construction Plans and Specifications	\$58,548
TOTAL	\$1,092,562

BudgetNarrative - Dauphin Island

47

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

7

Dauphin Island - Task 1. Project Coordination and Meetings				
Activity	Category	Person Hours	Billable Rate	Amount
Dauphin Island - Task 1. Project Coordination and Meetings				74,842
Administration				17,712
Labor	Project Manager	68.0	175.00	8,400.00
Labor	Project Manager - WRSCcompass	24.0	175.00	4,200.00
Labor	Senior Coastal Engineer	24.0	145.00	3,480.00
Labor	Clerical	24.0	65.00	1,532.00
Program Management Assistance				23,760
Labor	Project Manager	45.0	175.00	8,400.00
Labor	Project Manager - WRSCcompass	45.0	175.00	8,400.00
Labor	Senior Coastal Engineer	48.0	145.00	6,960.00
Progress Meetings				33,370
Labor	Project Manager	48.0	175.00	8,400.00
Labor	Project Manager - WRSCcompass	48.0	175.00	8,400.00
Labor	Senior Coastal Engineer	48.0	145.00	6,960.00
Labor	Coastal Engineer	24.0	115.00	2,760.00
Labor	Coastal Engineer - WRSCcompass	24.0	115.00	2,760.00
Labor	Clerical	8.0	68.00	544.00
Expense	Air Fare	6.0	500.00	3,000.00
Expense	Meals	6.0	36.00	216.00
Expense	Car Rental	3.0	80.00	240.00
Expense	Mileage	180.0	0.50	90.00

BudgetNarrative - Dauphin Island

48

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

8

Activity/Category	Description	Personnel Hours	Rate	Amount
Dauphin Island - Task 2. Beach and Bathymetric Survey				59,917
Administration				490
Labor	Project Surveyor	4.0	100.00	400.00
Mobilization & Travel Expenses				12,272
Expense	Truck (2WD road use)	2,000.0	0.50	1,000.00
Expense	Meals	20.0	50.00	1,000.00
Expense	Lodging	14.0	100.00	1,400.00
Labor	Survey Technician	48.0	78.00	3,744.00
Labor	Surveyor	46.0	90.00	4,320.00
Labor	Project Surveyor	4.0	100.00	400.00
Topo				12,894
Labor	Survey Technician	48.0	78.00	3,744.00
Labor	Surveyor	46.0	90.00	4,320.00
Labor	Professional Surveyor & Mapper	2.0	165.00	330.00
Labor	Project Surveyor	16.0	100.00	1,600.00
Expense	GATOR 4 x 4 UTILITY VEHICLE	4.0	105.00	420.00
Expense	RTK GPS (REAL TIME)	4.0	495.00	1,980.00
Expense	Level/Tripod/Red/Tide Stilling Well	4.0	65.00	260.00
Expense	Digital Camera	4.0	10.00	40.00
Hydro				16,094
Labor	Survey Technician	48.0	78.00	3,744.00
Labor	Surveyor	48.0	90.00	4,320.00
Labor	Professional Surveyor & Mapper	4.0	165.00	660.00
Labor	Project Surveyor	14.0	100.00	1,400.00
Expense	Survey Boat (24 ft. Privateer)	3.0	790.00	2,370.00
Expense	RTK GPS (REAL TIME)	3.0	495.00	1,485.00
Expense	Fathometer w/Digital	3.0	165.00	495.00
Expense	Heave, Pitch, Roll Compensator	3.0	215.00	645.00
Expense	Velocity Meter	3.0	65.00	195.00
Expense	Hyperk Navigation System	3.0	260.00	780.00
Beach Survey				6,717
Expense	Survey Boat (24 ft. Privateer)	1.0	790.00	790.00
Expense	RTK GPS (REAL TIME)	1.0	495.00	495.00
Labor	Survey Technician	24.0	78.00	1,872.00
Labor	Surveyor	24.0	90.00	2,160.00
Labor	Project Surveyor	14.0	100.00	1,400.00
Reduction & Reporting				11,740
Labor	Professional Surveyor & Mapper	8.0	165.00	1,320.00
Labor	Senior CAD Operator	1.0	100.00	100.00
Labor	Project Surveyor	40.0	100.00	4,000.00
Labor	Surveyor	40.0	90.00	3,600.00
Labor	CADD Operator	32.0	85.00	2,720.00

BudgetNarrative - Dauphin Island

49

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

9

Activity / Task	Type	Personnel Hours	Rate / Day	Quantity
Dauphin Island - Task 3. Geotechnical Services for Borrow Area Developments				
				402,416
Planning				40,240
Review Previous Reports				
Labor	Professional Surveyor & Mapper	8.0	165.00	1,320.00
Labor	Professional Geologist	8.0	125.00	1,000.00
Labor	Geologist	8.0	100.00	800.00
Review Existing Geotech & Geophy Data				
Labor	Professional Surveyor & Mapper	8.0	165.00	1,320.00
Labor	Professional Geologist	8.0	125.00	1,000.00
Labor	Hydrographer	8.0	115.00	920.00
Labor	Geologist	8.0	100.00	800.00
Labor	GIS Operator	8.0	90.00	720.00
Develop Survey Plan				
Labor	Professional Surveyor & Mapper	8.0	165.00	1,320.00
Labor	Professional Geologist	8.0	125.00	1,000.00
Labor	Hydrographer	8.0	115.00	920.00
Labor	Geologist	8.0	100.00	800.00
Labor	GIS Operator	8.0	90.00	720.00
Planning and Project Management				
Labor	Project Manager	40.0	175.00	7,000.00
Labor	Professional Geologist	40.0	125.00	5,000.00
Labor	Hydrographer	40.0	115.00	4,600.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	40.0	90.00	3,600.00
Labor	Junior Geologist	40.0	85.00	3,400.00
Geophysical Survey (4 Days)				111,882
Job / Demob				
Labor	Hydrographer	8.0	115.00	920.00
Labor	Geologist	16.0	100.00	1,600.00
Labor	Junior Geologist	16.0	85.00	1,360.00
Labor	Survey Technician	16.0	78.00	1,248.00
Travel				
Labor	Project Geologist	24.0	115.00	2,760.00
Labor	Geologist	24.0	100.00	2,400.00
Labor	Geologist	24.0	100.00	2,400.00
Labor	Junior Geologist	24.0	85.00	2,040.00
Expense	Truck (ZWD road use)	1,200.0	0.50	600.00
Expense	Truck (ZWD road use)	1,800.0	0.50	900.00
Consultant	Consultant - Aqua Quest Inc. Survey Vessel	4.0	3,000.00	12,000.00
Set-up RTK & Tide Gauge				
Labor	Geologist	8.0	100.00	800.00
Labor	Geologist	8.0	100.00	800.00
Labor	Junior Geologist	8.0	85.00	680.00
Expense	RTK GPS (REAL TIME)	1.0	495.00	495.00
Expense	Truck (ZWD road use)	50.0	0.50	25.00
Survey (4 Days)				
Labor	Project Geologist	56.0	115.00	6,440.00
Labor	Geologist	56.0	100.00	5,600.00
Labor	Geologist	56.0	100.00	5,600.00
Labor	Junior Geologist	56.0	85.00	4,780.00

BudgetNarrative - Dauphin Island

50

Expense	X-Star Chirp 512) Seismic Profiling System	4.0	1,150.00	4,600.00
Expense	Thermal Seismic Printer	4.0	130.00	520.00
Expense	EdgeTech Sidescan Sonar System	4.0	695.00	2,780.00
Expense	G-881 MAGNETOMETER	4.0	215.00	860.00
Expense	RTK GPS (REAL TIME)	4.0	495.00	1,980.00
Expense	Fathometer w/Digitizer	4.0	165.00	660.00
Expense	Heave, Pitch, Roll Compensator	4.0	215.00	860.00
Expense	Velocity Meter	4.0	63.00	252.00
Expense	Hypack Navigation System	4.0	260.00	1,040.00
Expense	Truck (2WD road use)	100.0	0.50	50.00
Expense	Truck (2WD road use)	100.0	0.50	50.00
Expense	Enclosed 18' Trailer	4.0	78.00	312.00
Expense	Digital Camera	4.0	10.00	40.00
Expense	Meals	20.0	36.00	720.00
Expense	Lodging	10.0	100.00	1,000.00
Expense	Air Fare	2.0	500.00	1,000.00
Expense	Field Supplies	1.0	250.00	250.00
Consultant	Consultant - Aqua Quest Inc. Survey Vessel	4.0	3,000.00	12,000.00
SSS Data Reduction				
Labor	Hydrographer	12.0	110.00	1,320.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Expense	Sonar Wzani Sidescan Data Processing Package	5.0	155.00	1,240.00
Seismic Data Reduction				
Labor	Hydrographer	12.0	115.00	1,380.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Expense	Sonar Web Seismic Data Processing Package	5.0	155.00	1,240.00
Bathymetric Data Reduction				
Labor	Hydrographer	12.0	115.00	1,380.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Magnetometer Data Reduction				
Labor	Hydrographer	12.0	115.00	1,380.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Consultant	Consultant - TAR Archeologist	1.0	2,000.00	2,000.00
Geotechnical Survey (30 Cores)				
MoB / Demob				214,014
Labor	Hydrographer	8.0	115.00	920.00
Labor	Geologist	16.0	100.00	1,600.00
Labor	Junior Geologist	16.0	85.00	1,360.00
Labor	Survey Technician	16.0	78.00	1,248.00
Travel				
Labor	Project Geologist	24.0	115.00	2,760.00
Labor	Geologist	24.0	100.00	2,400.00
Labor	Junior Geologist	24.0	85.00	2,040.00
Expense	Truck (2WD road use)	1,200.0	0.50	600.00
Expense	Truck (2WD road use)	1,800.0	0.50	900.00
Vibracoring (30 Cores)				
Labor	Project Geologist	66.0	115.00	6,440.00
Labor	Geologist	56.0	100.00	5,600.00
Labor	Junior Geologist	56.0	85.00	4,760.00
Expense	RTK GPS (REAL TIME)	4.0	495.00	1,980.00
Expense	Fathometer w/Digitizer	4.0	165.00	660.00
Expense	Velocity Meter	4.0	63.00	252.00
Expense	Hypack Navigation System	4.0	260.00	1,040.00
Expense	Truck (2WD road use)	180.0	0.50	75.00

10

Budget Narrative - Dauphin Island 51

Expense	Truck (2WD road use)	150.0	0.50	75.00
Expense	Enclosed 18' Trailer	4.0	76.00	312.00
Expense	Digital Camera	4.0	10.00	40.00
Expense	Masks	15.0	35.00	540.00
Expense	Lodging	8.0	100.00	800.00
Expense	Air Fare	2.0	900.00	1,800.00
Expense	Field Supplies	1.0	250.00	250.00
Consultant	Consultant - GFA Vibecores	30.0	4,000.00	120,000.00
Logging/Photographing/Sampling/ Archiving				
Labor	Professional Geologist	8.0	125.00	1,000.00
Labor	Geologist	60.0	100.00	6,000.00
Labor	Junior Geologist	80.0	65.00	5,100.00
Labor	Survey Technician	40.0	78.00	3,120.00
Sand Analysis				
Labor	Professional Geologist	8.0	125.00	1,000.00
Labor	Geologist	60.0	100.00	6,000.00
Labor	Junior Geologist	60.0	85.00	5,100.00
Labor	Survey Technician	24.0	75.00	1,872.00
Expense	Sieve Analysis	150.0	75.00	11,250.00
Borrow Area Analysis & Delineing				
Labor	Professional Surveyor & Mapper	8.0	165.00	1,320.00
Labor	Professional Geologist	24.0	125.00	3,000.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	40.0	90.00	3,600.00
Labor	Junior Geologist	40.0	85.00	3,400.00
Report				
				36,280
Draft Report				
Labor	Project Manager	8.0	175.00	1,400.00
Labor	Professional Geologist	16.0	125.00	2,000.00
Labor	Project Geologist	16.0	115.00	1,840.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	Senior CAD Operator	8.0	100.00	800.00
Labor	GIS Operator	24.0	90.00	2,160.00
Labor	CADD Operator	16.0	85.00	1,360.00
Labor	Junior Geologist	40.0	85.00	3,400.00
Final Report				
Labor	Principal Engineer	8.0	215.00	1,720.00
Labor	Project Manager	8.0	175.00	1,400.00
Labor	Professional Surveyor & Mapper	8.0	165.00	1,320.00
Labor	Senior Coastal Engineer	8.0	145.00	1,160.00
Labor	Professional Geologist	16.0	125.00	2,000.00
Labor	Senior CAD Operator	8.0	100.00	800.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	24.0	90.00	2,160.00
Labor	CADD Operator	16.0	85.00	1,360.00
Labor	Junior Geologist	40.0	85.00	3,400.00

11

Budget Narrative - Dauphin Island

52

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

12

Activity Type	Qty	Hours	Rate	Amount
Dauphin Island - Task 4. Cultural Resource Survey				115,428
Job / Demob				5,128
Labor	Hydrographer	8.0	115.00	920.00
Labor	Geologist	16.0	100.00	1,600.00
Labor	Junior Geologist	16.0	85.00	1,360.00
Labor	Survey Technician	16.0	78.00	1,248.00
Travel				23,100
Labor	Project Geologist	24.0	115.00	2,760.00
Labor	Geologist	24.0	100.00	2,400.00
Labor	Geologist	24.0	100.00	2,400.00
Labor	Junior Geologist	24.0	85.00	2,040.00
Expense	Truck (2WD road use)	1,200.0	0.50	600.00
Expense	Truck (2WD road use)	1,600.0	0.50	800.00
Consultant	Consultant - Aqua Quest Inc. Survey Vessel	4.0	3,000.00	12,000.00
Setup RTK & Tide Gauge				2,800
Labor	Geologist	8.0	100.00	800.00
Labor	Geologist	8.0	100.00	800.00
Labor	Junior Geologist	8.0	85.00	680.00
Expense	RTK GPS (REAL TIME)	1.0	485.00	485.00
Expense	Truck (2WD road use)	80.0	0.50	25.00
Survey (3 Days)				54,098
Labor	Project Geologist	42.0	115.00	4,830.00
Labor	Geologist	42.0	100.00	4,200.00
Labor	Geologist	42.0	100.00	4,200.00
Labor	Junior Geologist	42.0	85.00	3,570.00
Expense	X-Star Chip 612i Seismic Profiling System	3.0	1,150.00	3,450.00
Expense	Thermal Seismic Printer	3.0	130.00	390.00
Expense	EdgeTech Sidescan Sonar System	3.0	685.00	2,085.00
Expense	G-881 MAGNETOMETER	3.0	215.00	645.00
Expense	RTK GPS (REAL TIME)	3.0	485.00	1,485.00
Expense	Fathometer w/Digitizer	3.0	165.00	495.00
Expense	Heave, Pitch, Roll Compensator	3.0	215.00	645.00
Expense	Velocity Meter	3.0	63.00	189.00
Expense	Hypack Navigation System	3.0	260.00	780.00
Expense	Truck (2WD road use)	100.0	0.50	50.00
Expense	Truck (2WD road use)	100.0	0.50	50.00
Expense	Enclosed 18' Trailer	3.0	78.00	234.00
Expense	Digital Camera	3.0	10.00	30.00
Expense	Meals	20.0	35.00	720.00
Expense	Lodging	10.0	100.00	1,000.00
Expense	Air Fare	2.0	800.00	1,600.00
Expense	Field Supplies	1.0	250.00	250.00
Consultant	Consultant - Aqua Quest Inc. Survey Vessel	4.0	3,000.00	12,000.00
Consultant	Consultant - TAR Archeologist	1.0	12,000.00	12,000.00
SSS Data Reduction				7,850
Labor	Hydrographer	12.0	115.00	1,380.00

Budget Narrative - Dauphin Island

53

Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Expense	Sonar Wizard Stagescan Data Processing Package	10.0	155.00	1,550.00
Seismic Data Reduction				7,650
Labor	Hydrographer	12.0	115.00	1,380.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Expense	Sonar Web Seismic Data Processing Package	10.0	155.00	1,550.00
Bathymetric Data Reduction				6,100
Labor	Hydrographer	12.0	115.00	1,380.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Magnetometer Data Reduction				8,100
Labor	Hydrographer	12.0	115.00	1,380.00
Labor	Geologist	40.0	100.00	4,000.00
Labor	GIS Operator	8.0	90.00	720.00
Consultant	Consultant - TAR Archeologist	1.0	2,000.00	2,000.00

13

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

14

Dauphin Island - Task 5. Preliminary Engineering 3/29/2010 2:12 PM

Activity / Task	Rate	Hours	Rate - Hourly	Billing Rate	Amount
Dauphin Island - Task 5. Preliminary Engineering					88,850
Existing Data Evaluation					5,320
Labor	Project Manager	4.0	175.00		700.00
Labor	Senior Coastal Engineer	16.0	145.00		2,320.00
Labor	Coastal Engineer	20.0	115.00		2,300.00
Labor	Coastal Engineer - WRSCoast	20.0	115.00		2,300.00
Labor	CADD Operator	4.0	85.00		340.00
Labor	GIS Operator	4.0	90.00		360.00
Coastal Littoral Process Analysis and Sediment Budget Development					26,480
Labor	Project Manager	4.0	175.00		700.00
Labor	Principal Engineer	6.0	215.00		1,290.00
Labor	Senior Coastal Engineer	32.0	145.00		4,640.00
Labor	Coastal Modeler	70.0	115.00		8,050.00
Labor	Coastal Engineer	60.0	115.00		6,900.00
Labor	Coastal Engineer - WRSCoast	60.0	115.00		6,900.00
Borrow Area Engineering Analysis					9,920
Labor	Project Manager	4.0	175.00		700.00
Labor	Senior Coastal Engineer	16.0	145.00		2,320.00
Labor	Coastal Modeler	40.0	115.00		4,600.00
Labor	Coastal Engineer	20.0	115.00		2,300.00
Project Performance Expectation & Constraints					34,810
Labor	Project Manager	4.0	175.00		700.00
Labor	Senior Coastal Engineer	96.0	145.00		12,470.00
Labor	Coastal Engineer	80.0	115.00		9,200.00
Labor	Coastal Engineer - WRSCoast	80.0	115.00		9,200.00
Labor	Senior CAD Operator	12.0	100.00		1,200.00
Labor	CADD Operator	24.0	85.00		2,040.00
In Progress Report and Comment					7,320
Labor	Project Manager	12.0	175.00		2,100.00
Labor	Project Manager - WRSCoast	12.0	175.00		2,100.00
Labor	Senior Coastal Engineer	12.0	145.00		1,740.00
Labor	Coastal Engineer	12.0	115.00		1,380.00

BudgetNarrative - Dauphin Island

55

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

15

Activity/Task	Type	Quantity	Unit	Rate	Total
Dauphin Island - Task 7. Environmental Review and Biological Assessment					48,863
Administration					3,660
Labor	Project Manager	8.0		175.00	1,400.00
Labor	Director of Marine Sciences	16.0		135.00	2,160.00
Literature Review					6,700
Labor	Director of Marine Sciences	20.0		135.00	2,700.00
Labor	Marine Biologist	40.0		100.00	4,000.00
Labor	Marine Biologist	20.0		100.00	2,000.00
Agency Coordination					9,044
Expense	Air Fare	2.0		500.00	1,000.00
Expense	Meals	36.0		4.00	144.00
Expense	Car Rental	2.0		80.00	160.00
Expense	Lodging	2.0		150.00	300.00
Labor	Project Manager	24.0		175.00	4,200.00
Labor	Director of Marine Sciences	24.0		135.00	3,240.00
Biological Assessment					13,680
Expense	Photocopies BW 8 1/2x11	200.0		0.10	20.00
Expense	Photocopies- Color 11x17	10.0		0.75	7.50
Expense	Cover Stock - Color	6.0		1.00	6.00
Labor	Director of Marine Sciences	20.0		135.00	2,700.00
Labor	Marine Biologist	40.0		100.00	4,000.00
Labor	Marine Biologist	60.0		100.00	6,000.00
Labor	Clerical	2.0		68.00	136.00
Labor	Project Manager	2.0		175.00	350.00
Labor	GIS Operator	4.0		90.00	360.00
Labor	Senior CAD Operator	1.0		100.00	100.00
Essential Fish Habitat Assessment					13,680
Expense	Photocopies BW 8 1/2x11	200.0		0.10	20.00
Expense	Photocopies- Color 11x17	10.0		0.75	7.50
Expense	Cover Stock - Color	6.0		1.00	6.00
Labor	Director of Marine Sciences	20.0		135.00	2,700.00
Labor	Marine Biologist	40.0		100.00	4,000.00
Labor	Marine Biologist	60.0		100.00	6,000.00
Labor	Clerical	2.0		68.00	136.00
Labor	Project Manager	2.0		175.00	350.00
Labor	GIS Operator	4.0		90.00	360.00
Labor	Senior CAD Operator	1.0		100.00	100.00

BudgetNarrative - Dauphin Island

56

Coastal Planning & Engineering, Inc. estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

16

Activity / Item	Personnel	Personnel Rate	Billing Rate	Cost
Dauphin Island - Task 6. Permit Application & Agency Meetings				84,442
ADEM Meeting				9,953
Labor	Project Manager	12.0	175.00	2,100.00
Labor	Project Manager - WRSCCompass	12.0	175.00	2,100.00
Labor	Senior Coastal Engineer	12.0	145.00	1,740.00
Labor	Coastal Engineer	8.0	115.00	920.00
Labor	Coastal Engineer - WRSCCompass	8.0	115.00	920.00
Labor	Senior Marine Biologist	2.0	135.00	270.00
Labor	Senior Geologist	4.0	145.00	580.00
Labor	Clerical	2.0	68.00	136.00
Expense	Air Fare	2.0	500.00	1,000.00
Expense	Meals	2.0	36.00	72.00
Expense	Car Rental	1.0	80.00	80.00
Expense	Mileage	60.0	0.59	35.40
USACE Meeting				9,953
Labor	Project Manager	12.0	175.00	2,100.00
Labor	Project Manager - WRSCCompass	12.0	175.00	2,100.00
Labor	Senior Coastal Engineer	12.0	145.00	1,740.00
Labor	Coastal Engineer	8.0	115.00	920.00
Labor	Coastal Engineer - WRSCCompass	8.0	115.00	920.00
Labor	Senior Marine Biologist	2.0	135.00	270.00
Labor	Senior Geologist	4.0	145.00	580.00
Labor	Clerical	2.0	68.00	136.00
Expense	Air Fare	2.0	500.00	1,000.00
Expense	Meals	2.0	36.00	72.00
Expense	Car Rental	1.0	80.00	80.00
Expense	Mileage	60.0	0.59	35.40
Federal Permit Application (USACE)				21,658
Labor	Principal Engineer	1.0	215.00	215.00
Labor	Project Manager	10.0	175.00	1,750.00
Labor	Project Manager - WRSCCompass	10.0	175.00	1,750.00
Labor	Senior Coastal Engineer	16.0	145.00	2,320.00
Labor	Coastal Engineer	40.0	115.00	4,600.00
Labor	Coastal Engineer - WRSCCompass	30.0	115.00	3,450.00
Labor	Senior CAD Operator	6.0	100.00	600.00
Labor	CADD Operator	16.0	65.00	1,040.00
Labor	Professional Surveyor & Mapper	1.0	165.00	165.00
Labor	Project Surveyor	4.0	100.00	400.00
Labor	Senior Geologist	4.0	145.00	580.00
Labor	Senior Marine Biologist	8.0	135.00	1,080.00
Labor	Marine Biologist	20.0	100.00	2,000.00
Labor	Clerical	16.0	68.00	1,088.00
Expense	Copies	600.0	0.50	300.00
State Permit Application (ADEM)				21,470
Labor	Principal Engineer	1.0	215.00	215.00
Labor	Project Manager	10.0	175.00	1,750.00
Labor	Project Manager - WRSCCompass	10.0	175.00	1,750.00

BudgetNarrative - Dauphin Island

57

Labor	Senior Coastal Engineer	16.0	145.00	2,320.00
Labor	Coastal Engineer	40.0	115.00	4,600.00
Labor	Coastal Engineer - WRSCCompass	30.0	115.00	3,450.00
Labor	Senior CAD Operator	6.0	100.00	600.00
Labor	CADD Operator	10.0	85.00	1,360.00
Labor	Professional Surveyor & Mapper	1.0	145.00	145.00
Labor	Project Surveyor	4.0	78.00	312.00
Labor	Senior Geologist	4.0	125.00	500.00
Labor	Senior Marine Biologist	8.0	135.00	1,080.00
Labor	Marine Biologist	20.0	100.00	2,000.00
Labor	Clerical	16.0	68.00	1,088.00
Expense	Copies	600.0	0.50	300.00
Agency Meetings				16,527
Expense	Air Fare	4.0	500.00	2,000.00
Expense	Meals	4.0	36.00	144.00
Expense	Mileage	120.0	0.59	70.80
Expense	Car Rental	2.0	80.00	160.00
Labor	Project Manager	24.0	175.00	4,200.00
Labor	Project Manager - WRSCCompass	24.0	175.00	4,200.00
Labor	Senior Coastal Engineer	16.0	145.00	2,320.00
Labor	Senior Geologist	8.0	145.00	1,160.00
Labor	Senior Marine Biologist	8.0	135.00	1,080.00
Labor	Coastal Engineer	8.0	115.00	920.00
Labor	Clerical	4.0	68.00	272.00
Review Permits				4,880
Labor	Project Manager	8.0	175.00	1,400.00
Labor	Project Manager - WRSCCompass	8.0	175.00	1,400.00
Labor	Senior Coastal Engineer	8.0	145.00	1,160.00
Labor	Coastal Engineer	8.0	115.00	920.00

17

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

18

Dauphin Island and Task 8 Final Design - 2010-2011-PRM

Activity Type	Task	Resources Project Rate	Billing Rate	Contract
Dauphin Island - Task 8. Final Design				159,458
Model Grids and Bathymetry				28,600
Labor	Project Manager - CPE Brazil	20.0	175.00	3,500.00
Labor	Senior Coastal Engineer - CPE Brazil	60.0	145.00	8,700.00
Labor	Coastal Modeler - CPE Brazil	80.0	115.00	9,200.00
Labor	Senior Coastal Engineer	10.0	145.00	1,450.00
Labor	Coastal Modeler	50.0	115.00	5,750.00
Model Calibration and Boundary Conditions				66,298
Labor	Project Manager - CPE Brazil	20.0	175.00	3,500.00
Labor	Senior Coastal Engineer - CPE Brazil	160.0	145.00	23,200.00
Labor	Coastal Modeler - CPE Brazil	180.0	115.00	20,700.00
Labor	Principal Engineer	2.0	215.00	430.00
Labor	Project Manager	2.0	175.00	350.00
Labor	Senior Coastal Engineer	40.0	145.00	5,800.00
Labor	Coastal Modeler	50.0	115.00	5,750.00
Labor	Coastal Engineer	20.0	115.00	2,300.00
Labor	Coastal Engineer - WRSCompass	20.0	115.00	2,300.00
Labor	Senior CAD Operator	2.0	100.00	200.00
Labor	CADD Operator	8.0	85.00	680.00
Labor	Clerical	16.0	68.00	1,088.00
Model Scenarios and Time Scales				59,560
Labor	Project Manager - CPE Brazil	20.0	175.00	3,500.00
Labor	Senior Coastal Engineer - CPE Brazil	110.0	145.00	15,950.00
Labor	Coastal Modeler - CPE Brazil	140.0	115.00	16,100.00
Labor	Project Manager	20.0	175.00	3,500.00
Labor	Senior Coastal Engineer	40.0	145.00	5,800.00
Labor	Coastal Modeler	60.0	115.00	6,900.00
Labor	Coastal Engineer	20.0	115.00	2,300.00
Labor	Coastal Engineer - WRSCompass	20.0	115.00	2,300.00
Labor	Senior CAD Operator	10.0	100.00	1,000.00
Labor	CADD Operator	10.0	85.00	850.00
Labor	Clerical	20.0	68.00	1,360.00
Model Usage Fees				5,000
Expense	DELFT 3D WAVE (SWAN)	1.0	1,000.00	1,000.00
Expense	DELFT 3D FLOW	1.0	2,000.00	2,000.00
Expense	DELFT 3D MORPHO	1.0	2,000.00	2,000.00

BudgetNarrative - Dauphin Island

59

Coastal Planning & Engineering, Inc estimated costs
 (attachment to Grant Application Package for opp NOAA-NOS-ORR-2010-2002371)

19

Dauphin Island - Task 9. Construction Plans and Specifications - 1/2/2010 2:27:32 PM

Activity/Task/Work	Type	Quantity	Unit Cost	Billing Rate	Amount
Dauphin Island - Task 9. Construction Plans and Specifications					58,540
Administration					2,116
Labor	Project Manager	8.0	175.00		1,400.00
Labor	Senior Coastal Engineer	4.0	145.00		580.00
Labor	Clerical	2.0	68.00		136.00
Develop Sediment QA/QC Plan					6,212
Labor	Project Manager	4.0	175.00		700.00
Labor	Senior Coastal Engineer	8.0	145.00		1,160.00
Labor	Coastal Engineer	12.0	115.00		1,380.00
Labor	Senior Geologist	8.0	145.00		1,160.00
Labor	Geologist	12.0	100.00		1,200.00
Labor	CADD Operator	4.0	85.00		340.00
Labor	Clerical	4.0	68.00		272.00
Develop Construction Plans					27,710
Labor	Project Manager	20.0	175.00		3,500.00
Labor	Senior Coastal Engineer	40.0	145.00		5,800.00
Labor	Coastal Engineer	60.0	115.00		6,900.00
Labor	Coastal Engineer - WRSCoast	8.0	115.00		920.00
Labor	Senior Marine Biologist	4.0	135.00		540.00
Labor	Senior Geologist	20.0	145.00		2,900.00
Labor	Senior CAD Operator	20.0	100.00		2,000.00
Labor	CADD Operator	60.0	85.00		5,100.00
Expense	Copies	100.0	0.50		50.00
Develop Construction Specifications					22,510
Labor	Project Manager	20.0	175.00		3,500.00
Labor	Senior Coastal Engineer	40.0	145.00		5,800.00
Labor	Coastal Engineer	60.0	115.00		6,900.00
Labor	Coastal Engineer - WRSCoast	16.0	115.00		1,840.00
Labor	Senior Geologist	8.0	145.00		1,160.00
Labor	Senior Marine Biologist	4.0	135.00		540.00
Labor	Clerical	40.0	68.00		2,720.00
Expense	Copies	200.0	0.10		20.00

Budget Narrative - Dauphin Island

60

**SHORT FORM OF AGREEMENT
BETWEEN OWNER AND ENGINEER
FOR
PROFESSIONAL SERVICES**

THIS IS AN AGREEMENT effective as of May 10, 2010 ("Effective Date") between
the Town of Dauphin Island, Alabama ("Owner")
and South Coast Engineers, LLC ("Engineer")
Engineer agrees to provide the services described below to Owner for Deepwater Horizon Incident
Response ("Project").

Description of Engineer's Services: _____

Provide coastal engineering services for the construction of a protective dune system for Dauphin Island as an emergency response to the Deepwater Horizon Incident (BP oil spill) including developing, in consultation with the contractor and appropriate agencies, the conceptual design of an emergency protective barrier system. This includes incremental field engineering decisions based on contractor input and problems encountered, limited on-site project inspection with the goal of providing advice on coastal engineering aspects of the design and construction-related issues, other related tasks, and may also include limited physical monitoring of the performance of the project. This assignment does not include the preparation of any written report, material specifications, coastal permit application documents, or construction inspection services beyond those outlined above.

Owner and Engineer further agree as follows:

1.01 Basic Agreement

A. Engineer shall provide, or cause to be provided, the services set forth in this Agreement, and Owner shall pay Engineer for such Services as set forth in Paragraph 9.01.

2.01 Payment Procedures

A. *Preparation of Invoices.* Engineer will prepare a monthly invoice in accordance with Engineer's standard invoicing practices and submit the invoice to Owner.

B. *Payment of Invoices.* Invoices are due and payable within 30 days of receipt. If Owner fails to make any payment due Engineer for services and expenses within 30 days after receipt of Engineer's invoice, the amounts due Engineer will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day. In addition, Engineer may, without liability, after giving seven days written notice to Owner, suspend services under this Agreement until Engineer has been paid in full all amounts due for services, expenses, and other related charges. Payments will be credited first to interest and then to principal.

3.01 Additional Services

A. If authorized by Owner, or if required because of changes in the Project, Engineer shall furnish services in addition to those set forth above.

B. Owner shall pay Engineer for such additional services as follows: For additional services of Engineer's employees engaged directly on the Project an amount equal to the cumulative hours charged to the Project by each class of Engineer's

employees times standard hourly rates for each applicable billing class; plus reimbursable expenses and Engineer's consultants' charges, if any.

4.01 Termination

A. The obligation to provide further services under this Agreement may be terminated:

1. For cause,

a. By either party upon 30 days written notice in the event of substantial failure by the other party to perform in accordance with the Agreement's terms through no fault of the terminating party.

b. By Engineer:

1) upon seven days written notice if Engineer believes that Engineer is being requested by Owner to furnish or perform services contrary to Engineer's responsibilities as a licensed professional; or

2) upon seven days written notice if the Engineers' services for the Project are delayed or suspended for more than 90 days for reasons beyond Engineer's control.

3) Engineer shall have no liability to Owner on account of such termination.

c. Notwithstanding the foregoing, this Agreement will not terminate as a result of a substantial failure under paragraph 4.01.A.1.a if the party receiving such notice begins, within seven days of receipt of such notice, to correct its failure and proceeds diligently to cure such failure within no more than 30 days of receipt of notice; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such 30 day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein shall extend up to, but in no case more than, 60 days after the date of receipt of the notice.

2. For convenience, by Owner effective upon the receipt of notice by Engineer.

B. The terminating party under paragraphs 4.01.A.1 or 4.01.A.2 may set the effective date of termination at a time up to 30 days later than otherwise provided to allow Engineer to demobilize personnel and equipment from the Project site, to complete tasks whose value would otherwise be lost, to prepare notes as to the status of completed and uncompleted tasks, and to assemble Project materials in orderly files.

5.01 Controlling Law

A. This Agreement is to be governed by the law of the state in which the Project is located.

6.01 Successors, Assigns, and Beneficiaries

A. Owner and Engineer each is hereby bound and the partners, successors, executors, administrators, and legal representatives of Owner and Engineer (and to the extent permitted by paragraph 6.01.B the assigns of Owner and Engineer) are hereby bound to the other party to this Agreement and to the partners, successors, executors, administrators, and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements, and obligations of this Agreement.

B. Neither Owner nor Engineer may assign, sublet, or transfer any rights under or interest (including, but without limitation, moneys that are due or may become due) in this Agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.

7.01 General Considerations

A. The standard of care for all professional engineering and related services performed or furnished by Engineer under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Engineer makes no warranties, express or implied, under this

Agreement or otherwise, in connection with Engineer's services. Engineer and its consultants may use or rely upon the design services of others, including, but not limited to, contractors, manufacturers, and suppliers.

B. Engineer shall not at any time supervise, direct, or have control over any contractor's work, nor shall Engineer have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected or used by any contractor, for safety precautions and programs incident to a contractor's work progress, nor for any failure of any contractor to comply with laws and regulations applicable to contractor's work.

C. Engineer neither guarantees the performance of any contractor nor assumes responsibility for any contractor's failure to furnish and perform its work in accordance with the contract between Owner and such contractor.

D. Engineer shall not be responsible for the acts or omissions of any contractor, subcontractor, or supplier, or of any contractor's agents or employees or any other persons (except Engineer's own employees) at the Project site or otherwise furnishing or performing any of construction work; or for any decision made on interpretations or clarifications of the construction contract given by Owner without consultation and advice of Engineer.

E. The general conditions for any construction contract documents prepared hereunder are to be the "Standard General Conditions of the Construction Contract" as prepared by the Engineers Joint Contract Documents Committee (No. C-700, 2002 Edition).

F. All design documents prepared or furnished by Engineer are instruments of service, and Engineer retains an ownership and property interest (including the copyright and the right of reuse) in such documents, whether or not the Project is completed.

G. To the fullest extent permitted by law, Owner and Engineer (1) waive against each other, and the other's employees, officers, directors, agents, insurers, partners, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to the Project, and (2) agree that Engineer's total liability to Owner under this Agreement shall be limited to \$50,000 or the total amount of compensation received by Engineer, whichever is greater.

H. The parties acknowledge that Engineer's scope of services does not include any services related to a Hazardous Environmental Condition (the presence of asbestos, PCBs, petroleum, hazardous substances or waste, and radioactive materials). If Engineer or any other party encounters a Hazardous Environmental Condition, Engineer may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Project affected thereby until Owner: (i) retains appropriate specialist consultants or contractors to identify and, as appropriate, abate, remediate, or remove the Hazardous Environmental Condition; and (ii) warrants that the Site is in full compliance with applicable Laws and Regulations.

8.01 Total Agreement

A. This Agreement (consisting of pages 1 to 4 inclusive together with any expressly incorporated appendix), constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

9.01 Payment (Hourly Rates Plus Reimbursable Expenses)

A. Using the procedures set forth in paragraph 2.01, Owner shall pay Engineer as follows:

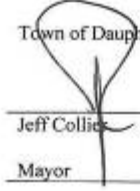
1. An amount equal to the cumulative hours charged to the Project by each class of Engineer's employees times standard hourly rates for each applicable billing class for all services performed on the Project, plus reimbursable expenses and Engineer's consultants' charges, if any.

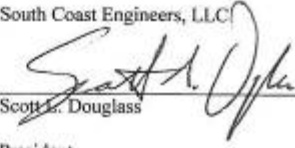
2. Engineer's Standard Hourly Rates are attached as Appendix 1.

3. The total compensation for services and reimbursable expenses is estimated to be \$ 125,000.00
[ONE HUNDRED TWENTY-FIVE THOUSAND DOLLARS]

B. The Engineer's compensation is conditioned on the time to complete construction not exceeding one year.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, the Effective Date of which is indicated on page 1.

OWNER: Town of Dauphin Island, Alabama
By: 
Jeff Collins
Title: Mayor

ENGINEER: South Coast Engineers, LLC
By: 
Scott L. Douglass
Title: President

Date Signed: 5-14-10

Date Signed: 5/14/10

License or Certificate No. and State _____
PE #28160 - Alabama

Address for giving notices:

Town of Dauphin Island
1011 Bienville Blvd
Dauphin Island, AL 36528

Address for giving notices:

South Coast Engineers, LLC
P.O. Box 72
Fairhope, AL 36533

This is **APPENDIX 1**, consisting of 1 page, referred to in and part of the Agreement between the Town of Dauphin Island and South Coast Engineers, LLC for Coastal Engineering Services – Deepwater Horizon Incident Response dated May 10, 2010.

Standard Hourly Rates Schedule

Standard Hourly Rates are subject to annual review and adjustment. Hourly rates for services in effect on the date of the Agreement are:

Principal	\$150/hour
Senior Engineer (PhD)	\$150/hour
Staff Engineer (Reid)	\$80/hour
Engineer	\$70/hour
Engineering Technician	\$45/hour
Support Staff	\$40/hour
Travel	\$0.50/mile
copying and other direct expenses	@ cost

STANDARD FORM OF AGREEMENT
BETWEEN
OWNER AND ENGINEER
FOR
STUDY AND REPORT PHASE
PROFESSIONAL SERVICES

This is an Agreement effective as of November 12, 2009 ("Effective Date")
between the Town of Dauphin Island, Alabama ("Owner") and
South Coast Engineers, LLC ("Engineer").

Owner retains Engineer to perform professional services in connection with _____
Coastal Engineering Services – Phase II ("Assignment").

Owner and Engineer agree as follows:

ARTICLE 1 – ENGINEER'S SERVICES

1.01 *Scope*

- A. Engineer shall provide the services set forth in Exhibit A.
- B. Upon this Agreement becoming effective, Engineer is authorized to begin services as set forth in Exhibit A.
- C. If authorized in writing by Owner, and agreed to by Engineer, then Engineer shall perform services beyond the initial scope of this Agreement for additional compensation and an equitable adjustment of the time in which to provide services.

ARTICLE 2 – OWNER'S RESPONSIBILITIES

2.01 *General*

- A. Owner shall have the responsibilities set forth herein and in Exhibit A.

ARTICLE 3 – TIMES FOR RENDERING SERVICES

- A. Engineer's services shall be performed within the time period or by the date stated in Exhibit A. If, through no fault of Engineer, such periods of time or dates are changed, or the orderly and continuous progress of Engineer's services is impaired, or Engineer's services are delayed or suspended, then the time for completion of Engineer's services, and the rates and amounts of Engineer's compensation, shall be adjusted equitably.

ARTICLE 4 – PAYMENTS TO ENGINEER

4.01 *Methods of Payment for Services of Engineer*

- A. Owner shall pay Engineer for services rendered under this Agreement as follows:

Standard Hourly Rates

1. An amount equal to the cumulative hours charged to the Assignment by each class of Engineer's employees times Standard Hourly Rates for each applicable billing class for all services performed on the Assignment, plus Reimbursable Expenses, estimated not to exceed \$ 96,000.00.
2. Engineer's Reimbursable Expenses Schedule and Standard Hourly Rate Schedule are attached to this Agreement as Exhibits C and D, respectively. Engineer's Consultants' charges and specified Reimbursable Expenses shall be subject to an administrative factor, if so noted in Exhibit C, and the total shall be payable by Owner.
3. The amounts billed monthly for Engineer's services will be based on the cumulative hours charged to the Assignment during the billing period by each class of Engineer's employees times Standard Hourly Rates for each applicable billing class, plus Reimbursable Expenses and Engineer's Consultants' charges, if any, incurred during the billing period.

ARTICLE 5 – GENERAL CONSIDERATIONS

5.01 *Standard of Care*

- A. The standard of care for all professional engineering and related services performed or furnished by Engineer under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Engineer makes no warranties, express or implied, under this Agreement or otherwise, in connection with Engineer's services.

5.02 *Insurance*

- A. Engineer will maintain insurance coverage for Workers' Compensation, General Liability, Professional Liability, and Automobile Liability and will provide certificates of insurance to Owner upon request.

5.03 *Indemnification and Allocation of Risk*

- A. *Indemnification by Engineer.* To the fullest extent permitted by law, Engineer shall indemnify and hold harmless Owner, Owner's officers, directors, partners, agents, consultants, and employees from and against any and all claims, costs, losses, and damages (including but not limited to reasonable fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Assignment, provided that any such claim, cost, loss, or damage is

attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property, including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Engineer or Engineer's officers, directors, partners, employees, or Consultants. The indemnification provision of the preceding sentence is subject to the limitation provisions agreed to by Owner and Engineer in this Article 5, if any.

- B. *Indemnification by Owner.* To the fullest extent permitted by law, Owner shall indemnify and hold harmless Engineer, Engineer's officers, directors, partners, agents, employees, and Consultants from and against any and all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Assignment, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property, including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Owner or Owner's officers, directors, partners, agents, consultants, or employees, or others retained by or under contract to the Owner with respect to this Agreement or to the Assignment.
- C. *Environmental Indemnification.* In addition to the indemnity provided under Paragraph 5.03.B of this Agreement, and to the fullest extent permitted by law, Owner shall indemnify and hold harmless Engineer and its officers, directors, partners, agents, employees, and Consultants from and against any and all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other disputes resolution costs) caused by, arising out of, relating to, or resulting from a Constituent of Concern (as more fully defined in EJCDC Document No. E-500) at, on, or under any site owned or controlled by Owner, or any property under study, provided that (i) any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property, including the loss of use resulting therefrom, and (ii) nothing in this paragraph shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence or willful misconduct.
- D. *Percentage Share of Negligence.* To the fullest extent permitted by law, a party's total liability to the other party and anyone claiming by, through, or under the other party for any cost, loss, or damages caused in part by the negligence of the party and in part by the negligence of the other party or any other negligent entity or individual, shall not exceed the percentage share that the party's negligence bears to the total negligence of Owner, Engineer, and all other negligent entities and individuals.
- E. *Mutual Waiver.* To the fullest extent permitted by law, Owner and Engineer waive against each other, and the other's employees, officers, directors, agents, insurers, partners, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to the Assignment.

5.04 *Limit of Liability*

- A. To the fullest extent permitted by law, the total liability, in the aggregate, of Engineer and Engineer's officers, directors, partners, employees, agents, and Consultants, or any of them,

to Owner and anyone claiming by, through, or under Owner, for any and all injuries, losses, damages and expenses whatsoever arising out of, resulting from, or in any way related to the Assignment or this Agreement from any cause or causes including but not limited to the negligence, professional errors or omissions, strict liability, or breach of contract or warranty, express or implied, of Engineer or Engineer's officers, directors, partners, employees, agents, or Consultants, or any of them, shall not exceed the total amount of \$96,000.

5.05 *Designated Representatives*

- A. With the execution of this Agreement, Engineer and Owner each shall designate a specific individual as a representative with respect to the services to be performed or furnished by Engineer and the responsibilities of Owner under this Agreement. Such individuals shall have authority to transmit instructions, receive information, and render decisions relative to the Assignment on behalf of each respective party.

ARTICLE 6 – CONTENT OF AGREEMENT

6.01 *Exhibits*


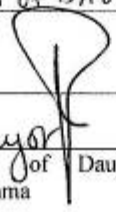
The following Exhibits are incorporated herein by reference:

- A. Exhibit A, "Further Description of Services, Responsibilities, Time, and Related Matters," consisting of 2 pages.
- B. Exhibit B, "Standard Terms and Conditions," consisting of 5 pages.
- C. Exhibit C, "Reimbursable Expenses Schedule," consisting of 1 page.
- D. Exhibit D, "Standard Hourly Rates Schedule," consisting of 1 page.

6.02 *Total Agreement*

- A. This Agreement together with the Exhibits identified in Paragraph 6.01 constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, the Effective Date of which is indicated on page 1.

OWNER: TOWN OF DAUPHIN ISLAND ENGINEER: 
By:  By: Scott L. Douglass
Title: Mayor Title: President
Town of Dauphin Island, South Coast Engineers, LLC
Alabama
Date Signed: 12-8-09 Date Signed: November 12, 2009

Address for giving notices: Address for giving notices:
Town of Dauphin Island South Coast Engineers, LLC
1011 Bienville Blvd P.O. Box 72
Dauphin Island, AL 36528 Fairhope, AL 36533
Designated Representative (Paragraph 5.05): Designated Representative (Paragraph 5.05):
Name: Jeff Collier Name: Scott L. Douglass
Title: _____ Title: President
Phone Number: 251-861-5525 Phone Number: 251-510-2903
Facsimile Number: 251-861-2154
E-Mail Address: jcollier@townofdauphinisland.org E-Mail Address: scott@southcoastengineers.com

This is **EXHIBIT A**, consisting of 2 pages, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Further Description of Services, Responsibilities, Time, and Related Matters

Specific articles of the Agreement are amended and supplemented to include the following agreement of the parties:

A.1.01 Engineer's Services

A. Engineer shall:

1. Consult with Owner to define and clarify Owner's requirements for the Assignment and available data and information.
2. Advise Owner as to the necessity of Owner providing any data or services which are not part of Engineer's services, and assist Owner in obtaining such data and services.
3. Identify and evaluate alternate solutions available to Owner and, after consultation with Owner, recommend to Owner those solutions which, in Engineer's judgment, meet Owner's requirements
4. Coordinate with others working on efforts to address the island's beach erosion problem including Town officials and consultants, state and federal officials, and others as identified.
5. Provide technical oversight services for the NOAA-funded study related to the Town beaches being conducted by WRSCoast. This includes coordinating with NOAA, providing technical reviews of study products and assisting WRSCoast in various aspects of their work including selecting sub-contractors for work related to the sand search efforts and obtaining surveys required, in developing the beach nourishment plan, in monitoring the migration of Sand/Pelican Island onto Dauphin Island, and in initiating environmental studies.
6. Work with Town efforts related to obtaining federal funding for beach nourishment and with outreach/PR efforts related to beach nourishment.
7. Initiate discussions with the Corps of Engineers on optimizing the use of dredged sands for the Town's beaches.
8. This Assignment does not include the preparation of any written report, the preparation of plans for any design, the preparation of a coastal permit application documents for any proposed project, any additional meetings or services required in the pursuit of any recommendations, or any subsequent monitoring of the beaches.

Page 1 of 2

Exhibit A – Further Description of Services, Responsibilities, Time and Related Matters
EJCDC E-525 Standard Form of Agreement Between Owner and Engineer for Study and Report Phase Professional Services
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72

A.2.01 Owner's Responsibilities

- A. Owner shall do the following in a timely manner, so as not to delay the services of Engineer:
 - 1. Provide all criteria and full information as to Owner's requirements for the Assignment, including anticipated funding sources and any project budgetary requirements.
 - 2. Furnish to Engineer all existing studies, reports, and other available data pertinent to the Assignment or authorize Engineer to obtain or provide additional reports and data as required, and furnish to Engineer services of others as required for the performance of Engineer's services.
- B. Engineer shall be entitled to use and rely upon all such information and services provided by Owner or others in performing Engineer's services under this Agreement.
- C. Access. Owner shall arrange for safe access to and make all provisions for Engineer and its Consultants to enter upon public and private property as required for Engineer to perform services under this Agreement.
- D. Owner shall bear all costs incident to compliance with its responsibilities pursuant to this paragraph A.2.01.

A.3.01 Times for Rendering Services

- A. The time period for the performance of Engineer's services shall be twelve months or when the expenditures have met the contract amount.

A.4.01 Construction and Project Budgets

- A. Owner has established the following budgets for the construction of the project: None

This is **EXHIBIT B**, consisting of 5 pages, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Standard Terms and Conditions

The Agreement is amended and supplemented to include the following agreement of the parties:

ARTICLE 4 OF THE AGREEMENT IS MODIFIED AS FOLLOWS:

B.4.02. Other Provisions Concerning Payment

A. Estimated Compensation Amounts.

1. If Engineer has provided in this Agreement estimates of the amounts that will become payable, then such estimates are only estimates for planning purposes, are not binding on the parties, and are not the minimum or maximum amounts payable to Engineer under the Agreement.
2. When estimated compensation amounts have been stated herein and it subsequently becomes apparent to Engineer that a compensation amount thus estimated will be exceeded, Engineer shall give Owner written notice thereof. Promptly thereafter Owner and Engineer shall review the matter of services remaining to be performed and compensation for such services. Owner shall either agree to such compensation exceeding said estimated amount or Owner and Engineer shall agree to a reduction in the remaining services to be rendered by Engineer, so that total compensation for such services will not exceed the estimated amount when such services are completed.

B. Adjustments

1. Engineer's compensation is conditioned on time to complete the Assignment not exceeding the time identified in Exhibit A. Should the time to complete the Assignment be extended beyond this period due to reasons not the fault of and beyond the control of Engineer, the total compensation to Engineer shall be appropriately adjusted.
2. If used, the Standard Hourly Rates Schedule, Reimbursable Expenses Schedule, Direct Labor Costs and the factor applied to Direct Labor Costs will be adjusted annually to reflect equitable changes to the compensation payable to Engineer.

- C. *Reimbursable Expenses.* Reimbursable Expenses means the actual expenses incurred by Engineer or Engineer's Consultants directly in connection with the Assignment, including the categories and items listed in Exhibit C, and if authorized in advance by Owner, overtime work requiring higher than regular rates.

- D. *For Additional Services.* Owner shall pay Engineer for all services not included in the scope of this Agreement on the basis agreed to in writing by the parties at the time such services are authorized by Owner.
- E. *Invoices.* Invoices will be prepared in accordance with Engineer's standard invoicing practices and will be submitted to Owner by Engineer monthly, unless otherwise agreed. Invoices are due and payable within 30 days of receipt. If Owner fails to make any payment due Engineer for services and expenses within 30 days after receipt of Engineer's invoice therefore, the amounts due Engineer will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day. In addition, Engineer may, after giving seven days written notice to Owner, suspend services under this Agreement until Engineer has been paid in full all amounts due for services, expenses, and other related charges.

ARTICLE 5 OF THE AGREEMENT IS SUPPLEMENTED AS FOLLOWS:

B.5.06 *Dispute Resolution*

- A. Owner and Engineer agree that they shall first submit any and all unsettled claims, counterclaims, disputes, and other matters in question between them arising out of or relating to this Agreement or the breach thereof ("disputes") to mediation.
- B. If a party alleges a dispute with the other party arising out of or relating to the performance of services under this Agreement, then either party shall have the right to request mediation within 20 days after the claiming party has provided the other party with written notice describing the dispute and the claiming party's position with reference to the resolution of the dispute.
- C. Except as otherwise agreed, the parties shall select a mediator within 30 days of a written request for mediation. The mediator will endeavor to complete the mediation within 30 days thereafter. The parties will share the costs of mediation equally.
- D. No performance obligation under or related to this Agreement shall be interrupted or delayed during any mediation proceeding except upon written agreement of both parties.
- E. The mediator shall not be a witness in any legal proceedings related to this Agreement.
- F. If mediation is not successful in resolving the dispute, then the parties may exercise their rights under law.

B.5.07 *Termination of Contract*

Either party may at any time, upon seven days prior written notice to the other party, terminate this Agreement. Upon such termination, Owner shall pay to Engineer all amounts owing to Engineer under this Agreement, for all work performed up to the effective date of termination, plus reasonable termination costs.

B.5.08 *Environmental Condition of Site*

It is acknowledged by both parties that Engineer's scope of services does not include any services related to the presence at any site or property under study of asbestos, PCBs, petroleum, hazardous waste, radioactive materials, or other Constituents of Concern (as fully defined in EJCDC Document No. E-500). In the event Engineer or any other party encounters a Constituent of Concern at a site owned or controlled by Owner, then Engineer may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Assignment affected thereby until Owner: (i) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or remove the Constituent of Concern; and (ii) warrants that the site or property is in full compliance with applicable laws and regulations. Owner acknowledges that Engineer is performing professional services for Owner and that Engineer is not and shall not be required to become an "owner," "arranger," "operator," "generator," or "transporter" of hazardous substances, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), which are or may be encountered at or near any such site or property in connection with Engineer's activities under this Agreement.

B.5.09 *Patents*

Engineer shall not conduct patent searches in connection with its services under this Agreement and assumes no responsibility for any patent or copyright infringement arising therefrom. Nothing in this Agreement shall be construed as a warranty or representation that anything made, used, or sold arising out of the services performed under this Agreement will be free from infringement of patents or copyrights.

B.5.10 *Ownership and Reuse of Documents*

All documents prepared or furnished by Engineer pursuant to this Agreement are instruments of service, and Engineer shall retain an ownership and property interest therein (including the copyright and right of reuse at the discretion of Engineer). Reuse of any such documents by Owner for purposes other than those included in the Assignment shall be at Owner's sole risk; and Owner agrees to indemnify and hold Engineer harmless from all claims, damages, and expenses, including attorney's fees, arising out of such reuse of documents by Owner or by others acting through Owner.

B.5.11 *Use of Electronic Media*

- A. Copies of Documents that may be relied upon by Owner are limited to the printed copies (also known as hard copies) that are signed or sealed by the Engineer. Files in electronic media format of text, data, graphics, or of other types that are furnished by one party to the other are only for convenience of the recipient. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk.
- B. When transferring documents in electronic media format, the transferring party makes no representations as to long-term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the document creator at the beginning of this Assignment.
- C. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

- D. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any transfer errors detected within the 60-day acceptance period will be corrected by the party delivering the electronic files. Engineer shall not be responsible to maintain documents stored in electronic media format after acceptance by Owner.

B.5.12 *Opinions of Probable Costs*

- A. Construction Cost is the cost to Owner to construct proposed facilities. Construction Cost does not include costs of services of Engineer or other design professionals and consultants, cost of land, rights-of-way, or compensation for damages to properties, or Owner's costs for legal, accounting, insurance counseling or auditing services, or interest and financing charges incurred in connection with Owner's contemplated project, or the cost of other services to be provided by others to Owner pursuant to this Agreement. Construction Cost is one of the items comprising Total Project Costs.
- B. Engineer's opinions of probable Construction Cost provided for herein are to be made on the basis of Engineer's experience and qualifications and represent Engineer's best judgment as an experienced and qualified professional generally familiar with the industry. However, since Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over the contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by Engineer. If Owner wishes greater assurance as to probable Construction Cost, Owner shall employ an independent cost estimator.
- C. The services, if any, of Engineer with respect to Total Project Costs, as defined below, shall be limited to assisting the Owner in collating the various cost categories which comprise Total Project Costs. Engineer assumes no responsibility for the accuracy of any opinions of Total Project Costs.
- D. Definition of Total Project Costs – The sum of the Construction Cost, allowances for contingencies, and the total costs of services of Engineer or other design professionals and consultants, together with such other project-related costs that Owner furnishes for inclusion, including but not limited to cost of land, rights-of-way, compensation for damages to properties, Owner's costs for legal, accounting, insurance counseling and auditing services, interest and financing charges incurred in connection with the project, and the cost of other services to be provided by others to Owner.

B.5.13 *Force Majeure*

Engineer shall not be liable for any loss or damage due to failure or delay in rendering any service called for under this Agreement resulting from any cause beyond Engineer's reasonable control.

B.5.14 Assignment

Neither party shall assign its rights, interests, or obligations under this Agreement without the express written consent of the other party.

B.5.15 Independent Contractor

All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Owner and Engineer and not for the benefit of any other party. Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either Owner or Engineer. Engineer's services under this Agreement are being performed solely for Owner's benefit, and no other entity shall have any claim against Engineer because of this Agreement or the performance or nonperformance of services hereunder. Owner agrees to include a provision in all contracts with contractors and other entities involved in this project to carry out the intent of this paragraph.

B.5.16 Binding Effect

This Agreement shall bind, and the benefits thereof shall inure to the respective parties thereto, their legal representatives, executors, administrators, successors, and assigns.

B.5.17 Severability and Waiver of Provisions

Any provision or part of the Agreement held to be void or unenforceable under any laws or regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Engineer, who agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision. Non-enforcement of any provision by either party shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

B.5.18 Survival

All express representations, indemnifications, or limitations of liability included in this Agreement will survive its completion or termination for any reason.

B.5.19 Controlling Law

This Agreement is to be governed by the law of the State of Alabama.

B.5.20 Notices

Any notice required under this Agreement will be in writing, addressed to the appropriate party at its address on the signature page and given personally, by facsimile, by registered or certified mail, or by a commercial courier service. All notices shall be effective upon the date of receipt.

This is **EXHIBIT C**, consisting of 1 page, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Reimbursable Expenses Schedule

A. Reimbursable expense rates in effect on the date of the Agreement are:

8"x11" Copies	\$0.50/page
Mileage (auto)	\$0.585/mile
Long Distance Phone Calls	cost.
Meals and Lodging	cost (following applicable State law)
Air Travel, Airport Parking	cost
Purchase of books, reports, etc.	cost
Postage	cost
Aerial photography flights and prints	cost

This is **EXHIBIT D**, consisting of 1 page, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Standard Hourly Rates Schedule

Standard Hourly Rates are subject to annual review and adjustment. Hourly rates for services in effect on the date of the Agreement are:

Principal	\$ <u>150</u> /hour
PhD Engineer	\$150/hour
Staff Engineer (EIT)	\$ <u>75</u> /hour
Support Staff	\$ <u>45</u> /hour

STANDARD FORM OF AGREEMENT
BETWEEN
OWNER AND ENGINEER
FOR
STUDY AND REPORT PHASE
PROFESSIONAL SERVICES

This is an Agreement effective as of November 12, 2009 ("Effective Date")
between the Town of Dauphin Island, Alabama ("Owner") and
South Coast Engineers, LLC ("Engineer").

Owner retains Engineer to perform professional services in connection with _____
Coastal Engineering Services – Phase II ("Assignment").

Owner and Engineer agree as follows:

ARTICLE 1 – ENGINEER'S SERVICES

1.01 *Scope*

- A. Engineer shall provide the services set forth in Exhibit A.
- B. Upon this Agreement becoming effective, Engineer is authorized to begin services as set forth in Exhibit A.
- C. If authorized in writing by Owner, and agreed to by Engineer, then Engineer shall perform services beyond the initial scope of this Agreement for additional compensation and an equitable adjustment of the time in which to provide services.

ARTICLE 2 – OWNER'S RESPONSIBILITIES

2.01 *General*

- A. Owner shall have the responsibilities set forth herein and in Exhibit A.

ARTICLE 3 – TIMES FOR RENDERING SERVICES

- A. Engineer's services shall be performed within the time period or by the date stated in Exhibit A. If, through no fault of Engineer, such periods of time or dates are changed, or the orderly and continuous progress of Engineer's services is impaired, or Engineer's services are delayed or suspended, then the time for completion of Engineer's services, and the rates and amounts of Engineer's compensation, shall be adjusted equitably.

ARTICLE 4 – PAYMENTS TO ENGINEER

4.01 *Methods of Payment for Services of Engineer*

- A. Owner shall pay Engineer for services rendered under this Agreement as follows:

Standard Hourly Rates

1. An amount equal to the cumulative hours charged to the Assignment by each class of Engineer's employees times Standard Hourly Rates for each applicable billing class for all services performed on the Assignment, plus Reimbursable Expenses, estimated not to exceed \$ 96,000.00.
2. Engineer's Reimbursable Expenses Schedule and Standard Hourly Rate Schedule are attached to this Agreement as Exhibits C and D, respectively. Engineer's Consultants' charges and specified Reimbursable Expenses shall be subject to an administrative factor, if so noted in Exhibit C, and the total shall be payable by Owner.
3. The amounts billed monthly for Engineer's services will be based on the cumulative hours charged to the Assignment during the billing period by each class of Engineer's employees times Standard Hourly Rates for each applicable billing class, plus Reimbursable Expenses and Engineer's Consultants' charges, if any, incurred during the billing period.

ARTICLE 5 – GENERAL CONSIDERATIONS

5.01 *Standard of Care*

- A. The standard of care for all professional engineering and related services performed or furnished by Engineer under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Engineer makes no warranties, express or implied, under this Agreement or otherwise, in connection with Engineer's services.

5.02 *Insurance*

- A. Engineer will maintain insurance coverage for Workers' Compensation, General Liability, Professional Liability, and Automobile Liability and will provide certificates of insurance to Owner upon request.

5.03 *Indemnification and Allocation of Risk*

- A. *Indemnification by Engineer.* To the fullest extent permitted by law, Engineer shall indemnify and hold harmless Owner, Owner's officers, directors, partners, agents, consultants, and employees from and against any and all claims, costs, losses, and damages (including but not limited to reasonable fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Assignment, provided that any such claim, cost, loss, or damage is

attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property, including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Engineer or Engineer's officers, directors, partners, employees, or Consultants. The indemnification provision of the preceding sentence is subject to the limitation provisions agreed to by Owner and Engineer in this Article 5, if any.

- B. *Indemnification by Owner.* To the fullest extent permitted by law, Owner shall indemnify and hold harmless Engineer, Engineer's officers, directors, partners, agents, employees, and Consultants from and against any and all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Assignment, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property, including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Owner or Owner's officers, directors, partners, agents, consultants, or employees, or others retained by or under contract to the Owner with respect to this Agreement or to the Assignment.
- C. *Environmental Indemnification.* In addition to the indemnity provided under Paragraph 5.03.B of this Agreement, and to the fullest extent permitted by law, Owner shall indemnify and hold harmless Engineer and its officers, directors, partners, agents, employees, and Consultants from and against any and all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other disputes resolution costs) caused by, arising out of, relating to, or resulting from a Constituent of Concern (as more fully defined in EJCDC Document No. E-500) at, on, or under any site owned or controlled by Owner, or any property under study, provided that (i) any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property, including the loss of use resulting therefrom, and (ii) nothing in this paragraph shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence or willful misconduct.
- D. *Percentage Share of Negligence.* To the fullest extent permitted by law, a party's total liability to the other party and anyone claiming by, through, or under the other party for any cost, loss, or damages caused in part by the negligence of the party and in part by the negligence of the other party or any other negligent entity or individual, shall not exceed the percentage share that the party's negligence bears to the total negligence of Owner, Engineer, and all other negligent entities and individuals.
- E. *Mutual Waiver.* To the fullest extent permitted by law, Owner and Engineer waive against each other, and the other's employees, officers, directors, agents, insurers, partners, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to the Assignment.

5.04 *Limit of Liability*

- A. To the fullest extent permitted by law, the total liability, in the aggregate, of Engineer and Engineer's officers, directors, partners, employees, agents, and Consultants, or any of them,

to Owner and anyone claiming by, through, or under Owner, for any and all injuries, losses, damages and expenses whatsoever arising out of, resulting from, or in any way related to the Assignment or this Agreement from any cause or causes including but not limited to the negligence, professional errors or omissions, strict liability, or breach of contract or warranty, express or implied, of Engineer or Engineer's officers, directors, partners, employees, agents, or Consultants, or any of them, shall not exceed the total amount of \$96,000.

5.05 *Designated Representatives*

- A. With the execution of this Agreement, Engineer and Owner each shall designate a specific individual as a representative with respect to the services to be performed or furnished by Engineer and the responsibilities of Owner under this Agreement. Such individuals shall have authority to transmit instructions, receive information, and render decisions relative to the Assignment on behalf of each respective party.

ARTICLE 6 – CONTENT OF AGREEMENT

6.01 *Exhibits*


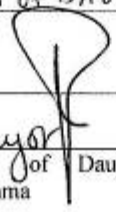
The following Exhibits are incorporated herein by reference:

- A. Exhibit A, "Further Description of Services, Responsibilities, Time, and Related Matters," consisting of 2 pages.
- B. Exhibit B, "Standard Terms and Conditions," consisting of 5 pages.
- C. Exhibit C, "Reimbursable Expenses Schedule," consisting of 1 page.
- D. Exhibit D, "Standard Hourly Rates Schedule," consisting of 1 page.

6.02 *Total Agreement*

- A. This Agreement together with the Exhibits identified in Paragraph 6.01 constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, the Effective Date of which is indicated on page 1.

OWNER: TOWN OF DAUPHIN ISLAND ENGINEER: 
By:  By: Scott L. Douglass
Title: Mayor Title: President
Town of Dauphin Island, South Coast Engineers, LLC
Alabama
Date Signed: 12-8-09 Date Signed: November 12, 2009

Address for giving notices:
Town of Dauphin Island
1011 Bienville Blvd
Dauphin Island, AL 36528

Designated Representative (Paragraph 5.05):
Name: Jeff Collier

Phone Number: 251-861-5525

Facsimile Number: 251-861-2154

E-Mail Address: jcollier@townofdauphinisland.org

Address for giving notices:
South Coast Engineers, LLC
P.O. Box 72
Fairhope, AL 36533

Designated Representative (Paragraph 5.05):
Name: Scott L. Douglass

Title: President

Phone Number: 251-510-2903

E-Mail Address: scott@southcoastengineers.com

This is **EXHIBIT A**, consisting of 2 pages, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Further Description of Services, Responsibilities, Time, and Related Matters

Specific articles of the Agreement are amended and supplemented to include the following agreement of the parties:

A.1.01 Engineer's Services

A. Engineer shall:

1. Consult with Owner to define and clarify Owner's requirements for the Assignment and available data and information.
2. Advise Owner as to the necessity of Owner providing any data or services which are not part of Engineer's services, and assist Owner in obtaining such data and services.
3. Identify and evaluate alternate solutions available to Owner and, after consultation with Owner, recommend to Owner those solutions which, in Engineer's judgment, meet Owner's requirements
4. Coordinate with others working on efforts to address the island's beach erosion problem including Town officials and consultants, state and federal officials, and others as identified.
5. Provide technical oversight services for the NOAA-funded study related to the Town beaches being conducted by WRSCoast. This includes coordinating with NOAA, providing technical reviews of study products and assisting WRSCoast in various aspects of their work including selecting sub-contractors for work related to the sand search efforts and obtaining surveys required, in developing the beach nourishment plan, in monitoring the migration of Sand/Pelican Island onto Dauphin Island, and in initiating environmental studies.
6. Work with Town efforts related to obtaining federal funding for beach nourishment and with outreach/PR efforts related to beach nourishment.
7. Initiate discussions with the Corps of Engineers on optimizing the use of dredged sands for the Town's beaches.
8. This Assignment does not include the preparation of any written report, the preparation of plans for any design, the preparation of a coastal permit application documents for any proposed project, any additional meetings or services required in the pursuit of any recommendations, or any subsequent monitoring of the beaches.

Page 1 of 2

Exhibit A – Further Description of Services, Responsibilities, Time and Related Matters
EJCDC E-525 Standard Form of Agreement Between Owner and Engineer for Study and Report Phase Professional Services
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86

A.2.01 Owner's Responsibilities

- A. Owner shall do the following in a timely manner, so as not to delay the services of Engineer:
 - 1. Provide all criteria and full information as to Owner's requirements for the Assignment, including anticipated funding sources and any project budgetary requirements.
 - 2. Furnish to Engineer all existing studies, reports, and other available data pertinent to the Assignment or authorize Engineer to obtain or provide additional reports and data as required, and furnish to Engineer services of others as required for the performance of Engineer's services.
- B. Engineer shall be entitled to use and rely upon all such information and services provided by Owner or others in performing Engineer's services under this Agreement.
- C. Access. Owner shall arrange for safe access to and make all provisions for Engineer and its Consultants to enter upon public and private property as required for Engineer to perform services under this Agreement.
- D. Owner shall bear all costs incident to compliance with its responsibilities pursuant to this paragraph A.2.01.

A.3.01 Times for Rendering Services

- A. The time period for the performance of Engineer's services shall be twelve months or when the expenditures have met the contract amount.

A.4.01 Construction and Project Budgets

- A. Owner has established the following budgets for the construction of the project: None

This is **EXHIBIT B**, consisting of 5 pages, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Standard Terms and Conditions

The Agreement is amended and supplemented to include the following agreement of the parties:

ARTICLE 4 OF THE AGREEMENT IS MODIFIED AS FOLLOWS:

B.4.02. Other Provisions Concerning Payment

A. Estimated Compensation Amounts.

1. If Engineer has provided in this Agreement estimates of the amounts that will become payable, then such estimates are only estimates for planning purposes, are not binding on the parties, and are not the minimum or maximum amounts payable to Engineer under the Agreement.
2. When estimated compensation amounts have been stated herein and it subsequently becomes apparent to Engineer that a compensation amount thus estimated will be exceeded, Engineer shall give Owner written notice thereof. Promptly thereafter Owner and Engineer shall review the matter of services remaining to be performed and compensation for such services. Owner shall either agree to such compensation exceeding said estimated amount or Owner and Engineer shall agree to a reduction in the remaining services to be rendered by Engineer, so that total compensation for such services will not exceed the estimated amount when such services are completed.

B. Adjustments

1. Engineer's compensation is conditioned on time to complete the Assignment not exceeding the time identified in Exhibit A. Should the time to complete the Assignment be extended beyond this period due to reasons not the fault of and beyond the control of Engineer, the total compensation to Engineer shall be appropriately adjusted.
2. If used, the Standard Hourly Rates Schedule, Reimbursable Expenses Schedule, Direct Labor Costs and the factor applied to Direct Labor Costs will be adjusted annually to reflect equitable changes to the compensation payable to Engineer.

- C. *Reimbursable Expenses.* Reimbursable Expenses means the actual expenses incurred by Engineer or Engineer's Consultants directly in connection with the Assignment, including the categories and items listed in Exhibit C, and if authorized in advance by Owner, overtime work requiring higher than regular rates.

- D. *For Additional Services.* Owner shall pay Engineer for all services not included in the scope of this Agreement on the basis agreed to in writing by the parties at the time such services are authorized by Owner.
- E. *Invoices.* Invoices will be prepared in accordance with Engineer's standard invoicing practices and will be submitted to Owner by Engineer monthly, unless otherwise agreed. Invoices are due and payable within 30 days of receipt. If Owner fails to make any payment due Engineer for services and expenses within 30 days after receipt of Engineer's invoice therefore, the amounts due Engineer will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day. In addition, Engineer may, after giving seven days written notice to Owner, suspend services under this Agreement until Engineer has been paid in full all amounts due for services, expenses, and other related charges.

ARTICLE 5 OF THE AGREEMENT IS SUPPLEMENTED AS FOLLOWS:

B.5.06 *Dispute Resolution*

- A. Owner and Engineer agree that they shall first submit any and all unsettled claims, counterclaims, disputes, and other matters in question between them arising out of or relating to this Agreement or the breach thereof ("disputes") to mediation.
- B. If a party alleges a dispute with the other party arising out of or relating to the performance of services under this Agreement, then either party shall have the right to request mediation within 20 days after the claiming party has provided the other party with written notice describing the dispute and the claiming party's position with reference to the resolution of the dispute.
- C. Except as otherwise agreed, the parties shall select a mediator within 30 days of a written request for mediation. The mediator will endeavor to complete the mediation within 30 days thereafter. The parties will share the costs of mediation equally.
- D. No performance obligation under or related to this Agreement shall be interrupted or delayed during any mediation proceeding except upon written agreement of both parties.
- E. The mediator shall not be a witness in any legal proceedings related to this Agreement.
- F. If mediation is not successful in resolving the dispute, then the parties may exercise their rights under law.

B.5.07 *Termination of Contract*

Either party may at any time, upon seven days prior written notice to the other party, terminate this Agreement. Upon such termination, Owner shall pay to Engineer all amounts owing to Engineer under this Agreement, for all work performed up to the effective date of termination, plus reasonable termination costs.

B.5.08 *Environmental Condition of Site*

It is acknowledged by both parties that Engineer's scope of services does not include any services related to the presence at any site or property under study of asbestos, PCBs, petroleum, hazardous waste, radioactive materials, or other Constituents of Concern (as fully defined in EJCDC Document No. E-500). In the event Engineer or any other party encounters a Constituent of Concern at a site owned or controlled by Owner, then Engineer may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Assignment affected thereby until Owner: (i) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or remove the Constituent of Concern; and (ii) warrants that the site or property is in full compliance with applicable laws and regulations. Owner acknowledges that Engineer is performing professional services for Owner and that Engineer is not and shall not be required to become an "owner," "arranger," "operator," "generator," or "transporter" of hazardous substances, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), which are or may be encountered at or near any such site or property in connection with Engineer's activities under this Agreement.

B.5.09 *Patents*

Engineer shall not conduct patent searches in connection with its services under this Agreement and assumes no responsibility for any patent or copyright infringement arising therefrom. Nothing in this Agreement shall be construed as a warranty or representation that anything made, used, or sold arising out of the services performed under this Agreement will be free from infringement of patents or copyrights.

B.5.10 *Ownership and Reuse of Documents*

All documents prepared or furnished by Engineer pursuant to this Agreement are instruments of service, and Engineer shall retain an ownership and property interest therein (including the copyright and right of reuse at the discretion of Engineer). Reuse of any such documents by Owner for purposes other than those included in the Assignment shall be at Owner's sole risk; and Owner agrees to indemnify and hold Engineer harmless from all claims, damages, and expenses, including attorney's fees, arising out of such reuse of documents by Owner or by others acting through Owner.

B.5.11 *Use of Electronic Media*

- A. Copies of Documents that may be relied upon by Owner are limited to the printed copies (also known as hard copies) that are signed or sealed by the Engineer. Files in electronic media format of text, data, graphics, or of other types that are furnished by one party to the other are only for convenience of the recipient. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk.
- B. When transferring documents in electronic media format, the transferring party makes no representations as to long-term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the document creator at the beginning of this Assignment.
- C. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

- D. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any transfer errors detected within the 60-day acceptance period will be corrected by the party delivering the electronic files. Engineer shall not be responsible to maintain documents stored in electronic media format after acceptance by Owner.

B.5.12 *Opinions of Probable Costs*

- A. Construction Cost is the cost to Owner to construct proposed facilities. Construction Cost does not include costs of services of Engineer or other design professionals and consultants, cost of land, rights-of-way, or compensation for damages to properties, or Owner's costs for legal, accounting, insurance counseling or auditing services, or interest and financing charges incurred in connection with Owner's contemplated project, or the cost of other services to be provided by others to Owner pursuant to this Agreement. Construction Cost is one of the items comprising Total Project Costs.
- B. Engineer's opinions of probable Construction Cost provided for herein are to be made on the basis of Engineer's experience and qualifications and represent Engineer's best judgment as an experienced and qualified professional generally familiar with the industry. However, since Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over the contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by Engineer. If Owner wishes greater assurance as to probable Construction Cost, Owner shall employ an independent cost estimator.
- C. The services, if any, of Engineer with respect to Total Project Costs, as defined below, shall be limited to assisting the Owner in collating the various cost categories which comprise Total Project Costs. Engineer assumes no responsibility for the accuracy of any opinions of Total Project Costs.
- D. Definition of Total Project Costs – The sum of the Construction Cost, allowances for contingencies, and the total costs of services of Engineer or other design professionals and consultants, together with such other project-related costs that Owner furnishes for inclusion, including but not limited to cost of land, rights-of-way, compensation for damages to properties, Owner's costs for legal, accounting, insurance counseling and auditing services, interest and financing charges incurred in connection with the project, and the cost of other services to be provided by others to Owner.

B.5.13 *Force Majeure*

Engineer shall not be liable for any loss or damage due to failure or delay in rendering any service called for under this Agreement resulting from any cause beyond Engineer's reasonable control.

B.5.14 Assignment

Neither party shall assign its rights, interests, or obligations under this Agreement without the express written consent of the other party.

B.5.15 Independent Contractor

All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Owner and Engineer and not for the benefit of any other party. Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either Owner or Engineer. Engineer's services under this Agreement are being performed solely for Owner's benefit, and no other entity shall have any claim against Engineer because of this Agreement or the performance or nonperformance of services hereunder. Owner agrees to include a provision in all contracts with contractors and other entities involved in this project to carry out the intent of this paragraph.

B.5.16 Binding Effect

This Agreement shall bind, and the benefits thereof shall inure to the respective parties thereto, their legal representatives, executors, administrators, successors, and assigns.

B.5.17 Severability and Waiver of Provisions

Any provision or part of the Agreement held to be void or unenforceable under any laws or regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Engineer, who agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision. Non-enforcement of any provision by either party shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

B.5.18 Survival

All express representations, indemnifications, or limitations of liability included in this Agreement will survive its completion or termination for any reason.

B.5.19 Controlling Law

This Agreement is to be governed by the law of the State of Alabama.

B.5.20 Notices

Any notice required under this Agreement will be in writing, addressed to the appropriate party at its address on the signature page and given personally, by facsimile, by registered or certified mail, or by a commercial courier service. All notices shall be effective upon the date of receipt.

This is **EXHIBIT C**, consisting of 1 page, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Reimbursable Expenses Schedule

A. Reimbursable expense rates in effect on the date of the Agreement are:

8"x11" Copies	\$0.50/page
Mileage (auto)	\$0.585/mile
Long Distance Phone Calls	cost.
Meals and Lodging	cost (following applicable State law)
Air Travel, Airport Parking	cost
Purchase of books, reports, etc.	cost
Postage	cost
Aerial photography flights and prints	cost

This is **EXHIBIT D**, consisting of 1 page, referred to in and part of the Agreement between Owner and Engineer for Coastal Engineering Services – Phase II dated November 12, 2009.

Standard Hourly Rates Schedule

Standard Hourly Rates are subject to annual review and adjustment. Hourly rates for services in effect on the date of the Agreement are:

Principal	\$ <u>150</u> /hour
PhD Engineer	\$150/hour
Staff Engineer (EIT)	\$ <u>75</u> /hour
Support Staff	\$ <u>45</u> /hour

AGREEMENT

This Agreement is made effective as of the 18th day of December 2009, by and between the Town of Dauphin Island, (hereinafter, "Client") and WRS Infrastructure & Environment, Inc., (hereinafter, "WRS"). WRS will prepare permits and a conceptual engineering design of a beach nourishment project located at Dauphin Island, Alabama.

In consideration of the premises and the promises herein, and intending to be legally bound, the parties agree as follows:

Article 1. Scope of Work. WRS agrees to perform for Client the services and scope of work specified in an Exhibit A, which shall be attached hereto and incorporated herein by this reference (hereinafter, "Work").

The Client requires engineering and construction administration services associated with a beach nourishment project. The design criteria for the nourishment will address those areas of the island that have been identified previously by WRS as exhibiting characteristics of critical erosion areas. This includes approximately 10,500 linear feet of beach on the eastern and western ends of the island.

Specific objectives of the requested services include:

- Analysis of historical shoreline changes due to storm events.
- Assessment of physical processes that impact the project area.
- Identification of potential alternatives that will facilitate shoreline protection and beach nourishment.
- Comparative analysis of identified alternatives and recommendation of the most feasible alternative for shoreline protection.

Documents anticipated to be generated by WRS in the completion of the Work include:

- Feasibility Analyses of Possible Shore Protection Alternatives
- Survey Report
- Geotechnical Report for Offshore Borrow
- Conceptual Design
- Permit Applications

WRS will also assist the Client with consultations, negotiations, and documentation supporting the procurement of Project financing for design and construction. WRS shall complete the Work as mutually agreed in a fully executed Agreement Amendment, as provided in Article 6.

Article 2. Compensation. Client agrees to compensate WRS on a Time and Materials basis for performance of the Work in accordance with Exhibit A. Client agrees to pay WRS within 30 days of receiving an invoice from WRS. WRS will invoice for services on a monthly basis not to exceed \$346,620.00 unless agreed to in writing prior to incurring costs above this ceiling amount.

Article 3. Representations and Warranties. WRS represents and warrants that the Work shall be performed

in accordance with generally and currently accepted industry practices in effect and utilized by firms in the United States at the time the Work is performed. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.** In the event of the breach of the foregoing that is solely attributable to deficiency by WRS, at the request of Client, WRS will re-perform and/or complete the Work to the specifications of Exhibit A at no additional cost to Client.

Article 4. Compliance with Laws. WRS shall perform the Work in compliance with all applicable federal, state and local laws, regulations, orders, and implementing ordinances, and the provisions of applicable federal, state, and local health, safety, transportation and environmental laws and regulations, including but not limited to those put forth by the United States Environmental Protection Agency, Occupational Safety and Health Administration, the United States Army Corps of Engineers, Alabama Department of Environmental Management, and other relevant federal, state or local governmental bodies governing the performance of the Work.

Article 5. Delays in the Work. If WRS is delayed at any time in the commencement or progress of the Work by any cause beyond the control of the WRS, then WRS shall be entitled to an extension of the completion date. Examples of causes beyond the control of WRS include, but are not limited to, the following: significant atmospheric events that change underlying assumptions regarding the existing conditions of the project site; acts or omissions of the Client; or arising from decisions of the Client that impact the time of performance of the Work; fire, terrorism, epidemics, adverse governmental actions (including a refusal to grant necessary permits), unavoidable accidents or circumstances, concealed or unknown conditions; or delays caused by pending dispute resolution procedures in Article 17.

Article 6. Amendments. Client may at any time request changes in, additions to or deletions from the Work (hereinafter, "Amendments."). Amendments shall be issued in writing, shall be effective upon agreement in writing by WRS, and shall be incorporated into Exhibit A by this reference. If the Amendment(s) result in any increase or decrease in the contract price, then Compensation for such Amendment(s) shall be agreed to in advance by the parties in writing. Any work incurring a contract price of more than \$346,620.00 without the prior written approval of Client shall be at WRS' own risk and WRS shall not be entitled to payment for such work.

Article 7. Insurance. WRS shall comply with the applicable requirements of the unemployment compensation, workers' compensation, and disability laws of the State where the Work is to be performed. Notwithstanding anything to the contrary, WRS's liability pursuant to this Agreement shall be limited to the amounts of applicable insurance stipulated above or the amount paid by Client for the Work, whichever is less. Upon request in writing, Client shall be named an additional insured in all insurance policies (except workers' compensation and professional liability) obtained by WRS. WRS agrees to furnish to Client insurance certificate(s) reflecting WRS's compliance with the requirements of this Article. WRS further agrees to carry the following minimum levels of insurance:

- Worker's Compensation Insurance in amounts required by statute.
- A Comprehensive General Liability policy not less than \$1,000,000.00 combined single limit coverage per-occurrence naming both WRS and the Client as insured.
- An automobile liability policy in amounts not less than \$1,000,000.00 combined single-limit, per occurrence naming both WRS and the Client as insured.
- Professional Liability Insurance in the amount of \$1,000,000.00.
- Excess/Umbrella Liability of \$2,000,000.00

Article 8. Bonds. Performance and payment bonds not are required of WRS for requested engineering services. Upon notice from the Client that WRS will perform services associated with actual shoreline protection activities and nourishment of the beach, WRS will provide Payment and Performance Bonds if requested to do so by the Client. Such bonds shall be issued by a surety admitted in the State of Alabama and satisfactory to Client. Such Bonds shall be issued in the sum of the full contract price. Such Bonds shall cover the cost to complete the Work, but shall not cover any damages of the type specified to be covered by the insurance pursuant to Article 7, whether or not such insurance is provided or is in an amount sufficient to cover such damages.

Article 9. Damages. Notwithstanding anything to the contrary, WRS's liability pursuant to this Agreement is limited to the limits of insurance carried by WRS for this project, or the amount paid for the Work, whichever is less. Neither party shall be liable to the other, whether based in contract or in tort, for any special, indirect, incidental or consequential loss whatsoever.

Article 10. Independent Contractor. At all times, WRS and its subcontractors shall be considered independent contractors and nothing herein shall at any time be construed to create the relationship of employer and employee, principal and agent, partners, or joint ventures between WRS and Client.

Article 11. Assignment. WRS may engage specialty subcontractors as necessary to perform the Work. As such, WRS may subcontract the Work, in full or in part. Any subcontract, shall not operate to relieve WRS of its responsibilities hereunder and, notwithstanding any such subcontract, WRS shall remain obligated to Client pursuant to the Agreement. Client may not assign its obligations pursuant to this Agreement without prior written consent of WRS.

Article 12. Survival. All articles which by their nature survive completion of the Work (including, but not limited to warranty and indemnification) shall be deemed to survive termination of this Agreement.

Article 13. Force Majeure. Neither party shall be liable to the other for failure to perform its obligations hereunder to the extent that failure to perform is caused by or results from causes beyond its control, including, without limitation: fires, floods, weather conditions that could not have been reasonably foreseen, strikes, supplier and supply disruptions, embargoes, lockouts, labor disputes, civil disturbances, war, Acts of God, or acts of a public enemy. Neither financial insolvency nor failure to make timely application for any required approvals, licenses or permits shall be considered circumstances beyond the control of the parties.

Article 14. Notices. Any notices required to be given in writing under this Agreement shall be deemed to have been sufficiently given if delivered either personally or by certified mail (return receipt requested, postage prepaid), fax, telex or wire (with confirmation of delivery) to the address of the applicable signatory below. The Client's representative is the Town Mayor or designee. The Client's representative shall have the authority to approve and pay invoices from WRS.

Article 15. Order of Precedence. The terms of this Agreement and of the Exhibits and Change Orders executed pursuant hereto and incorporated herein shall be read and interpreted, if possible, so that there is no conflict between them. To the extent there is such conflict, the terms of the Agreement shall prevail.

Article 16. Governing Law. This Agreement shall be governed by the laws of the State of Alabama.

Article 17. Dispute Resolution. Any dispute that arises under this Agreement shall first be attempted to be resolved through good-faith negotiations between senior members of WRS and Client. If resolution cannot be reached within 30 days, both parties will participate in mediation. If after sixty (60) days, resolution has not been reached through mediation, either party may bring action in a court of competent jurisdiction in the state

where the Work was/is being performed. The prevailing party shall be entitled to recovery of all costs and expenses including reasonable attorneys' fees.

Article 18. Entire Agreement. This Agreement and the Exhibits and any Agreement Amendments executed pursuant to it, and incorporated herein by reference, constitute the entire Agreement of the parties. This Agreement supersedes and replaces, and the parties are not bound by any agreements, understandings or conditions otherwise than as expressly set forth herein. One or more waivers on the part of WRS or Client of any term, provision or condition of this Agreement shall not constitute a subsequent waiver of any term provision or condition of this Agreement, nor constitute a precedent or bind either party to a waiver of any succeeding waiver or breach of the same or any other term, provision or condition. The individual executing this Agreement on behalf of a party represents and warrants that he or she has full power and authority to do so on behalf of such party. The Agreement and any modifications or addenda hereto may be executed in several counterparts by the parties and when so executed shall be considered fully executed to the same extent as if the parties had signed the original document.

Article 19. Severability. Every article, paragraph, part, term or provision of this Agreement is severable from the others. In the event any article, paragraph, part, term or provision is construed or held to be void, invalid or unenforceable by law, order, decree or judgment of a court of competent jurisdiction, that Article shall be restated and interpreted to express, in compliance with law, the original intent to the fullest extent possible without invalidating the article, paragraph, part, term or provision. The remaining articles, paragraphs, parts, terms, and provisions of this Agreement shall remain in full force and effect.

Article 20. Captions. Captions introducing Articles are included for convenience, and are not to be construed as modifying or contributing to interpretation of this Agreement.

Article 21. Termination. This Agreement may be terminated by either party upon not less than thirty (30) days written notice should the other party fail to substantially perform in accordance with the terms of this Agreement through no fault of the party initiating the termination. This Agreement may be terminated by the Client upon not less than thirty (30) days written notice to WRS for the convenience of the client and without cause.

IN WITNESS WHEREOF, WRS and Client have executed this Agreement effective as of the day and year first written above.

For: **WRS Infrastructure & Environment, Inc.**

By: Luke A. Franz

Name: Luke A. Franz

Title: President

Date: 12/18/09

Address for Notices:
221 Hobbs Street Suite 108
Tampa, Florida 33619

For: **Town of Dauphin Island**

By: [Signature]

Name: Jeffrey W. Collier

Title: Mayor

Date: 12/9/09

Address for Notices:

**EXHIBIT A
SCOPE OF WORK**

EXHIBIT A

Town of Dauphin Island Shoreline Protection and Beach Nourishment

PHASE I – DESIGN: SCOPE OF WORK

GENERAL:

WRS Infrastructure & Environment, Inc. d/b/a WRSScompass will develop a design for shoreline protection and beach nourishment of critically eroded areas of Dauphin Island, Alabama. The conceptual design phase of the project will further develop various aspects of the shoreline protection and beach nourishment for refinement of cost data and design criteria. An evaluation of alternatives, including an evaluation of up to three (3) potential alternatives for shoreline protection, will be provided to assess the advantages and disadvantages of each alternative.

For the conceptual design phase, the completeness of engineering development of the alternatives will be to the extent necessary to develop a defined project from which construction quantities and an estimate of the construction cost can be obtained. The objective is to establish the optimum design alternative that can be advanced to the preliminary design stage. This will require the production of the basic engineering drawings that illustrate the options considered. Budget level estimates will be prepared and input from WRSScompass's construction arm will be provided. With the development of the cost estimates for each alternative, the advantages and disadvantages of each will be evaluated and discussed with the Town. An alternative will be selected that best fits the Town's objectives and budget and which has the best potential for approval by all regulatory agencies.

During the preliminary design phase, the selected alternative shall be developed to a +/- 15% percent complete set of plans and specifications to facilitate evaluation.

TASK 1.0 – Program Management: General tasks

WRSScompass will provide project management for the conceptual design and will report to the Town's Program Manager, Dr. Scott Douglass of Southcoast Engineers, LLC. This site will allow for scheduling through calendar functions, a library for project specific documents, and an overall resource to the project team to facilitate communication, reviews, and coordination.

WRSScompass will facilitate meetings between our team and the Town. WRSScompass will also hold meetings with local interested groups to discuss the design progress and keep the public informed as directed by the Town.

Specific tasks that will be performed as part of the project include:

- Provide project management including, performance or supervision of design and permitting activities associated with implementation of the shoreline protection and beach nourishment project.
- Provide planning and environmental support services for securing federal, state and local permits associated with the implementation of the project.
- Assist the Town as requested by the Mayor and Town Council in meetings with federal, state, regional and local governmental entities, members of the Alabama Legislature, legislative branch staff, and other stakeholders involved in the implementation of the project. These activities may include identifying funding sources from appropriate governmental agencies.
- Directly work with and report to the Town Mayor or his designee for guidance, authorization for negotiations, legal analysis, and any other instructions or directives by the Town.
- Conduct preliminary design evaluations, meet with the Town, and work with the Town to determine which alternative would best serve the Town.
- Direct and oversee completion of preliminary bathymetric and topographic surveys of the selected site(s) as appropriate to support the design. These surveys will verify horizontal and vertical control, bathymetry, and existing grades, elevations, and site features affecting the project design. Existing data will be used as appropriate to minimize the cost of surveys.
- Direct and oversee the completion of a preliminary geotechnical survey of possible borrow sites, as appropriate to support design of the project. This survey will include a determination of borrow material source gradations and other geotechnical details to support design and permitting and will utilize existing data as appropriate.
- Complete a preliminary environmental survey of the site.
- Complete a preliminary benthic survey of the site and potential borrow areas, as appropriate for permitting, to assess the extent of natural resources in proximity of the proposed project.

- Prepare design drawings and specifications suitable of the proposed conceptual approach.
- Assist the Town in obtaining community input and disseminating information about the project. This would also include preparing and distributing public notices of meetings associated with the project.
- Attend Public Meetings with the Town, as appropriate, in order to obtain permit and construction approvals for the project.
- Prepare an engineer's estimate of construction costs for the project.
- WRSScompass will be responsible for compliance with all reasonable Town, local and state, offsite and onsite requirements imposed by town, local, state and/or federal agencies having jurisdiction, as well as reviewing pertinent Town of Dauphin Island Codes, Resolutions and Ordinances, State of Alabama Codes and State of Alabama Statutes. If required by the Town, WRSScompass will incorporate the above data into conceptual construction documents including plans, technical specifications, construction estimates, and related documents necessary for implementation of the Project.

TASK 2.0 – Permitting:

Task 2.1 Permitting feasibility task.

Actual schedule and work depends on when dates for meetings can be set. Task includes:

- Kickoff meeting with Town
- Development of preapplication meeting package
- Meetings with federal, state, and county regulatory agencies
- Scoping Task 2.2 including the preparation of a memo(s) addressing the scoping meeting(s) and the findings and conclusions from this meeting(s).

Task 2.2 Permit Application Development and Review of Request for Additional Information (RAI) Task includes:

- Permit application preparation
- Revising engineering drawings to fit into permit application format (8.5 x 11, black and white)
- Construction description (proposed construction methods, preliminary schedule, etc.)
- Evaluation of the potential source(s) of sand for compliance with Section 404(b), and 401(a) of the Clean Water Act & Amendments and consistency with the Coastal Zone Management Plan.
- Conceptual mitigation plan if required
- Scope of work for RAI response task
- Final Studies to include Threatened and Endangered Species.

- Final Permit Negotiations with State and Federal Agencies

TASK 3.0 – Design: Conceptual Design

Task 3.1 – Boundary, Topographic and Bathymetric Survey

This task will consist of boundary, topographic and bathymetric surveys, as well as preparation of cross sections of existing beach profiles at the proposed nourishment site.

The survey work shall include:

- Cover sheet with a general project location and vicinity map (aerial) with north arrow.
- The topographic and bathymetric surveys will have horizontal and vertical controls tied to permanent bench marks. If necessary, permanent bench marks shall be constructed for use by the construction contractor. Datum will be NAVD 88 for all surveys and drawings.
- The topographic and bathymetric surveys of the project area will show the existing ground contours at one foot intervals. The finalized drawings will have an aerial background.
- All appropriate property boundaries and easement/right-of-way limits will be provided on the topographic survey drawings and will be defined by Northing/Easting coordinates in the local plane grid system. The property owners will be identified on the plan.
- Relevant physical features shall be noted on the topographic plans. Spot elevations will be provided to define the elevations of the various structures, roads, culverts, etc.
- Mean High Water Line (MHWL) and Coastal Construction Line (CCL) lines will be added to plan views.
- Profile sections will be drawn to scale with vertical exaggerations between horizontal and vertical scales (if applicable) exhibited. Up to forty (40) sections at 500 ft. intervals will be generated. Stationing of the centerlines of the sections will be provided for identification and location of cross sections taken.
- All elevations will show the datum reference (NAVD 88). NGVD 29 datum will only be used when referring to existing/historical data, which are reported only in NGVD 29 datum and will be clearly identified as such with a note and a graphic providing the approximate conversion between NGVD 29 and NAVD 88 for the project site.
- The topographic plan will include the core boring locations from the geotechnical survey with legible numbers. Tabulation of core borings will include number, location coordinates (Northing and Easting), and depth and ground elevation, as a minimum.
- Bathymetric survey will include core borings from geotechnical survey for offshore borrow sources.

- All drawings will be produced or converted to be compatible with the latest version AutoCAD software.

Task 3.2 - Geotechnical Investigations and Analysis: The geotechnical investigation will establish locations for offshore borrow areas. The geotechnical report will provide the following information and design input:

- Generalized native beach sediment characteristics to include; color, gradation, and organic content. Gradation sampling will be conducted every 500 feet along the beach to check for variations in the energy regime.
- Sediment quality of potential sand sources with respect to color, gradation and organic content.
- Beach and borrow area(s) comparative analysis.
- Necessary core sampling to obtain samples for analysis.
- Volumetric calculations of borrow area(s)
- Horizontal extent and sediment thickness of potential borrow area(s).
- Proximity of borrow areas to project site.
- Reef survey, if necessary.

Task 3.3 - Conceptual Design Phase:

Task 3.3.1 Conceptual Project Design: The conceptual design for the project alternatives will include concept site layout(s) for the project. The conceptual design will include the following:

- Design Criteria: Design criteria will be developed for the preliminary and final design, including Corps' requirements, details, applicable codes and standards, design procedures, and minimum design values.
- Conceptual Site Plans: Identify the conceptual project footprint and basic features, including concepts for distribution of the materials along the beach. This stage will include evaluation of the potential for using feeder beaches vs. mechanically spreading the sand along the beach.
- Confirm Permittability of Site Design using input from Task 2.2 above.
- Calculate initial quantities of fill required using information from the survey data acquired for this project. This information will be used for development of the initial project cost estimates to be used in the alternatives evaluation.
- Long term shoreline and beach volume changes, both historic and projected future as affected by grain size.
- Storm induced shoreline and beach volume changes.
- Wave transformation and littoral transport modeling.
- Storm Recession Modeling.

Task 3.3.2 - Alternative Cost Estimates: This task involves the development of the opinion of probable construction costs for each alternative plan. Costs will be budget level estimates that will include:

- List of cost items with appropriate definitions and units.
- Assigned unit or lump sum costs for each of the cost items identified.
- Preliminary quantity take-offs.
- Cost summary table tabulating computed costs for mobilization, construction, and related implementation costs.

Task 3.3.3 - Evaluation of Alternatives: The primary objective of this analysis and report is the comparison of the conceptual alternatives. Factors to be considered in this analysis will include:

- Construction Cost
- Constructability
- Permitability
- Operational advantages
- Maintenance advantages
- Construction schedule

The analysis will report make a recommendation of the preferred alternative.

END SCOPE OF WORK



Town of Dauphin Island

1011 Bienville Blvd. • Dauphin Island, Alabama 36528
Phone: (251) 861-5525 • Fax: (251) 861-2154 • Email: dialgovmt@townofdauphinisland.org

March 20, 2009

Town Council

Mayor
Jeff Collier

Council Members
Stephen Dornack
Mary Thompson
Lisa Hansen
Sherry Carney
Clinton Collier

Town Clerk
Nannette Davidson

Mr. Brent W. Anderson, PE, PG
Vice President
WRscompass
221 Hobbs Street
Suite 108
Tampa, Florida 33619

Dear Mr. Anderson:

As you are aware, the Town of Dauphin Island intends to submit a grant proposal to the National Oceanic and Atmospheric Administration to obtain a Coastal and Marine Habitat Restoration Project FFO (FFO Number NOAA-NMFS-HCPO-2009-2001709). The Town of Dauphin Island is hereby offering WRscompass the opportunity to participate in our proposal, and if successful, in the project as the principal subcontractor.

It is understood that WRscompass will participate extensively in the proposal writing and preparation process and that the final proposal document will be constructed at either the WRscompass Chicago or Tampa office. Mr. Rodman D. Grimm, consultant to the Town of Dauphin Island, will be available (if requested) to travel to WRscompass locations to participate in the proposal preparation effort. The Town of Dauphin Island appreciates your generosity by preparing the required documents at no cost. However, it is further understood that if our request is funded and the Town opts not to implement the project for any reason, WRscompass will be compensated for its work (estimate from Brent Anderson was \$5,000.00 to \$10,000.00).

The proposed management structure for the project will include Mayor Jeff Collier as Project Officer; an Advisory Board of local citizens and Councilmembers and Mr. Brent W. Anderson as Project Manager.

1011 Bienville Blvd.
Dauphin Island, Alabama 36528
Phone: (251) 861-5525 Fax: (251) 861-2154
Email: dialgovmt@townofdauphinisland.org

107

Appendix D

Advertisement for public meetings on January 14, 2010 and November 22, 2010

Advertisement for Public Meeting published in Press-Register, Baldwin and Mobile Counties edition, to announce public meeting in the development of the CIAP Plan Amendment. This advertisement was published on January 3, 2010 and January 10, 2010.

Public Information Meeting
Regarding the State of Alabama,
Baldwin County and Mobile County
Coastal Impact Assistance Program (CIAP) Plan Amendment
For Fiscal Year 2009 and 2010

Thursday, January 14, 2010 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) 621-1909
(800) LAND-ALA
dcnr.ciap@dcnr.alabama.gov

Advertisement for Public Meeting published in Press-Register, Baldwin and Mobile Counties edition, to announce Draft CIAP Plan Amendment. This advertisement was published on November 14, 2010 and November 21, 2010.

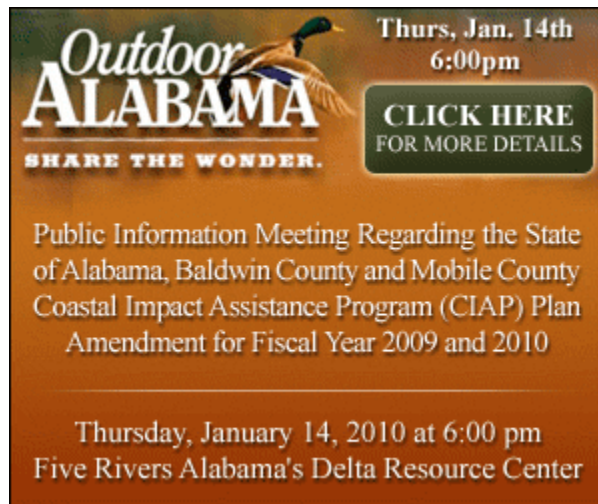
Public Information Meeting
Regarding the State of Alabama,
Baldwin County and Mobile County
Coastal Impact Assistance Program (CIAP) Draft Plan Amendment
For Fiscal Year 2009 and 2010

Monday, November 22, 2010 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) 621-1909
(800) LAND-ALA
dcnr.ciap@dcnr.alabama.gov

Advertisement for Public Meeting published on al.com to announce public meetings in the development of the CIAP Plan Amendment. This advertisement ran from January 3, 2010 through January 8, 2010.



Outdoor
ALABAMA
SHARE THE WONDER.

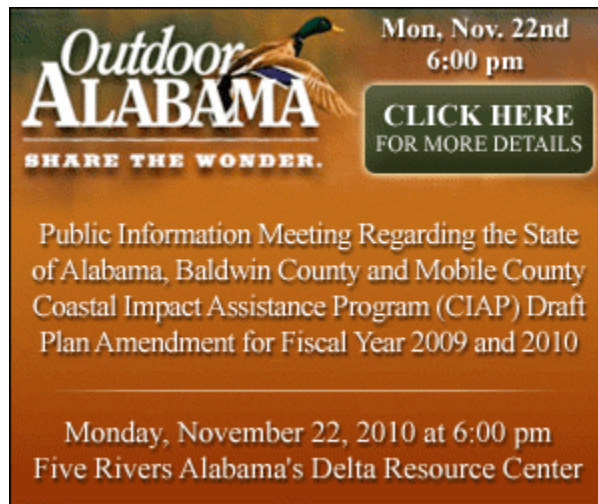
Thurs, Jan. 14th
6:00pm

[CLICK HERE
FOR MORE DETAILS](#)

Public Information Meeting Regarding the State
of Alabama, Baldwin County and Mobile County
Coastal Impact Assistance Program (CIAP) Plan
Amendment for Fiscal Year 2009 and 2010

Thursday, January 14, 2010 at 6:00 pm
Five Rivers Alabama's Delta Resource Center

Advertisement for Public Meeting published on al.com to announce Draft CIAP Plan Amendment.
This advertisement ran from November 16, 2010 through November 19, 2010.



Outdoor
ALABAMA
SHARE THE WONDER.

Mon, Nov. 22nd
6:00 pm

[CLICK HERE
FOR MORE DETAILS](#)

Public Information Meeting Regarding the State of Alabama, Baldwin County and Mobile County Coastal Impact Assistance Program (CIAP) Draft Plan Amendment for Fiscal Year 2009 and 2010

Monday, November 22, 2010 at 6:00 pm
Five Rivers Alabama's Delta Resource Center

Advertisement for Public Meeting published on LAMAR digital billboard, located on the causeway, to announce public meetings in the development of the CIAP Plan Amendment. This advertisement ran from January 11, 2010 through January 14, 2010.



The graphic features a central map of Alabama with the Gulf of Mexico to the south. The map is surrounded by four small images: a person fishing, an offshore oil rig, a boat on the water, and a coastal landscape. The text on the right side of the graphic reads: **State of Alabama**, **Coastal Impact Assistance Program**, **JAN. 14 • 6 p.m.**, **Public Information Meeting**, and **AT 5 Rivers Delta Center • 621-1909**.



Advertisement for Public Meeting published on LAMAR digital billboard, located on the causeway, to announce Draft CIAP Plan Amendment. This advertisement ran from November 16, 2010 through November 22, 2010.



Appendix E

Program Suggestion Solicitation Form

**Program Suggestions for the State of Alabama Coastal Impact Assistance Program
Plan Amendment for FY 2009 and FY 2010
January 14, 2009**

The State of Alabama Department of Conservation and Natural Resources (ADCNR), Baldwin County Commission and Mobile County Commission are soliciting Program Suggestions for inclusion into the Alabama Coastal Impact Assistance Program (CIAP) Plan Amendment for FY 2009 and FY 2010.

Part 1 – CIAP Overview

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 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 the coastal political subdivisions. The State of Alabama is one of six states eligible to receive CIAP funding. In addition to Alabama, other CIAP recipient states include: Alaska, California, Mississippi, Louisiana and Texas. The federal agency charged with managing the CIAP is the Minerals Management Service (MMS) in the Department of the Interior.

The Alabama Department of Conservation and Natural Resources (ADCNR) is the lead agency for development and implementation of the CIAP. The State Lands Division provides day-to-day oversight and management of the Program. The State Lands Division coordinated closely with the coastal political subdivisions (Baldwin County and Mobile County) in developing the State of Alabama CIAP Plan for FY 2007 and FY 2008, which was approved by the MMS on April 21, 2009. The Plan included 47 projects totaling \$51,103,214.08 of available funding. For more information or to download the State of Alabama CIAP Plan for FY 2007 and FY 2008, please visit www.alabamaciap.com.

In order to allocate the remaining CIAP funds from FY 2009 and FY 2010, the State of Alabama, Baldwin County, and Mobile County will develop the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010.

Part 2 - Authorized Use of CIAP Funding

According to the Energy Policy Act of 2005 (Public Law 109-58) and the MMS Program Guidelines, the Authorized Uses of Coastal Impact Assistance Program Funds are:

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 this section;
4. Implementation of a federally-approved marine, coastal or comprehensive conservation management plan;
5. Mitigation of the impact of Outer Continental Shelf activities through funding or onshore infrastructure projects and public service needs.

For more information on the Authorized Uses, please reference the most recent version of the CIAP State Plan Guidelines published by the MMS. This document is located at:

[http://www.mms.gov/offshore/CIAP/PDFs/FinalPlanGuidelinesRevised1008 .pdf](http://www.mms.gov/offshore/CIAP/PDFs/FinalPlanGuidelinesRevised1008.pdf).

Part 3 – Contact Information and Program Suggestion Submission Instructions

A template for the Program Suggestion is attached to this announcement and the deadline for receipt of Program Suggestions is **Monday March 1, 2010 at 5:00 pm**. Program Suggestions must be submitted, as set forth below, to at least one of the Alabama CIAP recipients (Alabama Department of Conservation and Natural Resources, Baldwin County Commission or Mobile County Commission) or to a combination thereof, depending on the proposed source(s) of CIAP funding for the Program Suggestion.

1. State of Alabama Department of Conservation and Natural Resources. Please submit the completed Program Suggestion template electronically (MS Word or *.pdf format) to dcnr.ciap@dcnr.alabama.gov, via mail to Cara Stallman (address below) or dropped off at Cara Stallman's address below. For more information on the State of Alabama CIAP Plan Amendment, please contact either Cara Stallman or Will Brantley:

Cara Stallman
Five Rivers Alabama's Delta Resource Center
31115 Five Rivers Boulevard
Spanish Fort, AL 36527
T: 251.621.1909
F: 251.621.1331
E: Cara.Stallman@dcnr.alabama.gov

Will Brantley
Alabama State Lands Division
64 North Union Street
Montgomery, AL 36130
T: 334.242.3484
F: 334.242.0999
E: Will.Brantley@dcnr.alabama.gov

2. Baldwin County Commission. Please submit the completed Program Suggestion template electronically (MS Word or *.pdf) to the Baldwin County Commission at jbatchelor@co.baldwin.al.us, via mail to Julie Batchelor (address below), or dropped off at address below. For more information on the Baldwin County CIAP Plan Amendment for FY 2009 and FY 2010, please contact:

Julie Batchelor, P.E.
Baldwin County Planning and Zoning Department
312 Courthouse Square, Suite 18
Bay Minette, AL 36507
T: 251.580.1655 ext. 7255
F: 251.580.1656
E: jbatchelor@co.baldwin.al.us

3. Mobile County Commission. Please submit the completed Program Suggestion template electronically (MS Word or *.pdf) to the Mobile County Commission at bmelton@mobilecounty.net, via mail to Bill Melton (address below), or dropped off at address below. For more information on the Mobile County CIAP Plan Amendment for FY 2009 and FY 2010, please contact:

Bill Melton, P.E.
Environmental Services Director
Mobile County Public Works
205 Government Street
Mobile, AL 36644
T: 251.574.8595
F: 251.574.4722
E: bmelton@mobilecounty.net

**CIAP Plan Amendment for FY 2009 and FY 2010
Program Suggestion Submittal Format**

Designate which CIAP recipient to whom you are submitting a Program Suggestion. Program Suggestions must be submitted to at least one of the Alabama CIAP recipients (Alabama Department of Conservation and Natural Resources, Baldwin County Commission or Mobile County Commission) or to a combination thereof, depending on the proposed source(s) of CIAP funding for the Program Suggestion.

- Alabama Department of Conservation and Natural Resources Baldwin County Commission Mobile County Commission

Project Name: _____

Project Summary

- Project Location:
- Estimated Cost:
- Goals and Objectives of the Project:
- Project Description:

CIAP Authorized Use

- Justification¹: (Provide an explanation of how the project is consistent with the identified Authorized Use; include, as appropriate, how the project directly or indirectly benefits the natural coastal environment)

Other Required Information

- Cost Sharing²: (Please describe any local financial commitment or leveraging of resources)
- Relationship to other programs³ (Please describe relationship, if any, to any other existing programs involved in the project):
- Detailed contact information including name of individual representative, group affiliation (if applicable), mailing address, e-mail address, telephone number and fax number.

¹ Please use Authorized Use #1, #2, #4, or #5 as the justification. Authorized Use #3 is solely for use by CIAP recipients, and, accordingly is not an applicable justification for Program Suggestion submittals.

² Leveraging of resources can include in-kind contributions, private donations, assistance, etc... For ADCNR Program Suggestions, the State will consider favorably the submittal of Program Suggestions which promote local commitment to a Program Suggestion's successful implementation.

³ Examples of existing Alabama Coastal Programs include the Alabama Coastal Area Management Program (ACAMP) and the Mobile Bay National Estuary Program (MBNEP).

Appendix F

Project List Tables.

State of Alabama Project List Tables Tier One and Tier Two

ALABAMA COASTAL IMPACT ASSISTANCE PLAN

for FY 2007, 2008, 2009, and 2010

TABLE 1: ALABAMA - TIER 1 PROJECTS

	Project Title	Estimated Project Cost (\$)	Estimated Project Cost (\$) by FY Allocation Request			
			FY 2007	FY 2008	FY 2009	FY 2010
AU #1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.						
1	AL-01 Acquisition of Perdido River Longleaf Hills: South Addition	\$6,957,000.00	\$6,906,655.00	\$50,345.00	\$0.00	\$0.00
2	AL-03 Infrastructure Improvements at Designated Protected Areas in Coastal Alabama	\$500,000.00	\$0.00	\$500,000.00	\$0.00	\$0.00
3	AL-04 Weeks Bay National Estuarine Research Reserve Education and Multipurpose Building Construction	\$1,392,503.47	\$1,392,503.47	\$0.00	\$0.00	\$0.00
4	AL-05 Water-Based Nature Trail Development in Coastal Alabama	\$750,000.00	\$0.00	\$750,000.00	\$0.00	\$0.00
5	AL-07 Investigation and Control of Non-native Terrestrial Exotic and Nuisance Species in Designated Protected Areas	\$766,666.67	\$0.00	\$766,666.67	\$0.00	\$0.00
6	AL-08 Reintroduction of Native Vegetation in Areas Converted for Silvicultural or Agricultural Activities (e.g. reforestation of longleaf areas)	\$1,000,000.00	\$0.00	\$1,000,000.00	\$0.00	\$0.00
7	AL-09 Wetland Restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River	\$202,013.32	\$0.00	\$202,013.32	\$0.00	\$0.00
8	AL-09-1 Wetland Restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River - Development of Comprehensive Wetland Restoration Projects and Strategies for Coastal Alabama	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$0.00
9	AL-09-2 Wetland Restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River	\$114,653.35	\$0.00	\$114,653.35	\$0.00	\$0.00
10	AL-10 Equipment and Infrastructure Improvements to Enhance Land Conservation Management and Activities in Coastal Areas	\$642,503.46	\$0.00	\$642,503.46	\$0.00	\$0.00
11	AL-12 Investigation of Restoration of Hydrology on Mobile Bay Causeway	\$500,000.00	\$0.00	\$500,000.00	\$0.00	\$0.00
12	AL-13 Implementing Conservation Through Reconstruction of the Gulf State Park Pier	\$8,241,412.00	\$8,050,000.00	\$191,412.00	\$0.00	\$0.00
13	AL-14 Gulf State Park Environmental Education Center	\$1,808,588.00	\$0.00	\$1,808,588.00	\$0.00	\$0.00
14	AL-16 Longleaf Pine Restoration at Gulf State Park	\$420,000.00	\$0.00	\$420,000.00	\$0.00	\$0.00
15	AL-17 Gulf State Park Land Management Program	\$750,000.00	\$0.00	\$750,000.00	\$0.00	\$0.00
16	AL-18 Freshwater Mollusk and Fish Enhancement and Restoration in Coastal River Systems	\$1,000,000.00	\$0.00	\$1,000,000.00	\$0.00	\$0.00
17	AL-19 Improvements to the Marine Resources Division's Facilities at Claude Peteet Mariculture Center in Gulf Shores, Alabama	\$4,575,000.00	\$0.00	\$4,575,000.00	\$0.00	\$0.00
18	AL-20 Improvements to Marine Resource Division's Facilities on Dauphin Island, Alabama	\$675,000.00	\$0.00	\$675,000.00	\$0.00	\$0.00
19	AL-21 Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$0.00
20	AL-22 Research Equipment and Software for Artificial Reef and Coastal Resource Management	\$330,000.00	\$0.00	\$330,000.00	\$0.00	\$0.00

21	AL-24 Acquisition of Sensitive Waterfront Property, Dauphin Island	\$1,000,000.00	\$0.00	\$1,000,000.00	\$0.00	\$0.00
22	AL-25 Acquisition of Live Oak Landing	\$4,000,000.00	\$0.00	\$0.00	\$4,000,000.00	\$0.00
23	AL-28 Dauphin Island Shoreline Stabilization Project	\$5,000,000.00	\$0.00	\$0.00	\$0.00	\$5,000,000.00
24	AL-29 Dauphin Island Sea Lab Estuarium Expansion: Coastal Impacts Exhibit Hall	\$395,000.00	\$0.00	\$0.00	\$395,000.00	\$0.00
25	AL-30 Research of Oyster Population Declines in Reference to the 'Katrina Cut' on Dauphin Island	\$87,594.00	\$0.00	\$0.00	\$87,594.00	\$0.00
26	AL-31 Habitat Restoration at Gulf State Park	\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
27	AL-32 Construction of a Research Dormitory at Weeks Bay Reserve	\$850,000.00	\$0.00	\$0.00	\$850,000.00	\$0.00
28	AL-33 Five Rivers Delta Resource Center Education Programming Enhancements	\$360,000.00	\$0.00	\$0.00	\$360,000.00	\$0.00
29	AL-34 Geographic Survey of Alabama's Inshore and Offshore Public Artificial Habitat (Reef) Zones	\$500,000.00	\$0.00	\$0.00	\$500,000.00	\$0.00
30	AL-35 Acquisition and Improvement of Properties for Marine Resources Division Oyster Management Stations in Mobile County	\$500,000.00	\$0.00	\$0.00	\$0.00	\$500,000.00
31	AL-36 Island Apple Snail Control in Three Mile Creek Watershed	\$294,000.00	\$0.00	\$0.00	\$0.00	\$294,000.00
AU #1 Subtotal (\$):		\$43,861,934.27	\$16,349,158.47	\$15,476,181.80	\$6,242,594.00	\$5,794,000.00
AU #2: Mitigation of damage to fish, wildlife, or natural resources.						
1	AL-11 Restoration of Wildlife and Plant Communities Impacted by Habitat Disturbances	\$366,301.87	\$0.00	\$366,301.87	\$0.00	\$0.00
2	AL-15 Restoration of Gulf State Park Campground Vegetation	\$245,000.00	\$0.00	\$245,000.00	\$0.00	\$0.00
3	AL-26 Coden Sewer Line Extension	\$6,238,961.42	\$0.00	\$0.00	\$6,238,961.42	\$0.00
4	AL-27 Wastewater Facilities for Southeastern Mobile County	\$6,238,961.42	\$0.00	\$0.00	\$0.00	\$6,238,961.42
AU #2 Subtotal (\$):		\$13,089,224.71	\$0.00	\$611,301.87	\$6,238,961.42	\$6,238,961.42
AU #3: Planning assistance and the administrative costs of complying with CIAP.						
1	AL-02 Administration of the Coastal Impact Assistance Program	\$293,744.84	\$259,386.11	\$34,358.73	\$0.00	\$0.00
2	AL-02-1 Administration of the Coastal Impact Assistance Program for Fiscal Year 2009 and 2010	\$174,410.02	\$0.00	\$174,410.02	\$0.00	\$0.00
3	AL-02-A Administration of the Coastal Impact Assistance Program	\$1,112,272.76	\$0.00	\$112,272.76	\$341,811.86	\$658,188.14
AU #3 Subtotal (\$):		\$1,580,427.62	\$259,386.11	\$321,041.51	\$341,811.86	\$658,188.14
AU #4: Implementation of a Federally-approved marine, coastal, or comprehensive conservation management plan.						
1	AL-06 GIS-based Inventory of Oil and Gas Leased Tracts Including Pipelines and Infrastructure	\$200,019.40	\$0.00	\$200,019.40	\$0.00	\$0.00
AU #4 Subtotal (\$):		\$200,019.40	\$0.00	\$200,019.40	\$0.00	\$0.00
AU #5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.						
0	None	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #5 Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
39 Total of all AU's (\$):						
		\$58,731,606.00	\$16,608,544.58	\$16,608,544.58	\$12,823,367.28	\$12,691,149.56

ALABAMA COASTAL IMPACT ASSISTANCE PLAN
for FY 2007, 2008, 2009, and 2010

TABLE 2: ALABAMA TIER 1 PROJECTS – FISCAL COMPLIANCE

Authorized Use	Estimated Project Cost Subtotals (\$)				
	by FY Allocation Request				
	(from Table 1)				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Authorized Use #1	\$43,861,934.27	\$16,349,158.47	\$15,476,181.80	\$6,242,594.00	\$5,794,000.00
Authorized Use #2	\$13,089,224.71	\$0.00	\$611,301.87	\$6,238,961.42	\$6,238,961.42
Authorized Use #3	\$1,580,427.62	\$259,386.11	\$321,041.51	\$341,811.86	\$658,188.14
Authorized Use #4	\$200,019.40	\$0.00	\$200,019.40	\$0.00	\$0.00
Authorized Use #5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total All AU's (\$):	\$58,731,606.00	\$16,608,544.58	\$16,608,544.58	\$12,823,367.28	\$12,691,149.56
Actual FY Allocation (\$):	\$58,731,606.00	\$16,608,544.58	\$16,608,544.58	\$12,823,367.28	\$12,691,149.56
Actual (\$) minus Total (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total AU #3 & #5 (\$):	\$1,580,427.62	\$259,386.11	\$321,041.51	\$341,811.86	\$658,188.14
Actual 23% FY Limit (\$):		\$3,819,965.25	\$3,819,965.25	\$2,949,374.47	\$2,918,964.40
Actual (\$) minus Total (\$):		\$3,560,579.14	\$3,498,923.74	\$2,607,562.61	\$2,260,776.26
Authorized Use	Estimated Project Cost Subtotals				
	as a Percentage of Total FY Allocation Request				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Authorized Use #1	74.68%	98.44%	93.18%	48.68%	45.65%
Authorized Use #2	22.29%	0.00%	3.68%	48.65%	49.16%
Authorized Use #3	2.69%	1.56%	1.93%	2.67%	5.19%
Authorized Use #4	0.34%	0.00%	1.20%	0.00%	0.00%
Authorized Use #5	0.00%	0.00%	0.00%	0.00%	0.00%
Total All AU's (%):	100.00%	100.00%	100.00%	100.00%	100.00%
Authorized Use	Estimated Project Cost Subtotals				
	as a Percentage of Actual FY Allocation				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Total All Authorized Uses	100.00%	100.00%	100.00%	100.00%	100.00%
Authorized Use #3	2.69%	1.56%	1.93%	2.67%	5.19%
Authorized Use #5	0.00%	0.00%	0.00%	0.00%	0.00%
Total AU #3 & #5:	2.69%	1.56%	1.93%	2.67%	5.19%

**ALABAMA COASTAL IMPACT ASSISTANCE PLAN
for FY 2007, 2008, 2009, and 2010**

TABLE 3: ALABAMA - TIER TWO PROJECTS

Project by Authorized Use		Estimated Project Cost (\$)
Authorized Use #1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.		
1	AL2-1 Biodiversity Inventories in Designated Protected Areas of Coastal Alabama	\$500,000.00
2	AL2-2 Assessment of Coastal Alabama Salt Marsh Communities	\$200,000.00
3	AL2-3 Development of Natural Resource-based Public Education and Outreach Materials for Coastal Alabama	\$500,000.00
4	AL2-4 Implement and Expand Prescribed Burning Program	\$100,000.00
5	AL2-5 Expansion of the Graduate Research Program at Weeks Bay National Estuarine Research Reserve	\$125,000.00
6	AL2-6 Alabama Coastal Area Management Program Web Portal	\$50,000.00
7	AL2-9 Land Acquisition in the Mobile-Tensaw Delta, Perdido River Corridor and/or Lillian Swamp, Baldwin County	\$10,000,000.00
8	AL2-10 Land Acquisition in the Escatawpa River Corridor and/or Coastal Mobile County	\$10,000,000.00
9	AL2-11 Land Acquisition in the Red Hills, Monroe County	\$10,000,000.00
10	AL2-12 Artificial Reef -- Construction, Research, and Development	\$1,000,000.00
11	AL2-13 Outreach for Local Marine Conservation Awareness Public Service Announcements	\$200,000.00
12	AL2-14 Bathymetric, Seismic, and Vibracore Survey of Federal Waters	\$1,150,000.00
13	AL2-15 Development of GIS-based Applications and Digital Data to Assist in Management of Alabama's Coastal Resources	\$675,000.00
14	AL2-16 Bon Secour Land Acquisition Project	\$4,875,000.00
15	AL2-17 Investigation and Research of the West Indian Manatee and Freshwater Turtle Populations in Coastal Alabama	\$1,350,000.00
16	AL2-18 Beneficial Use of Dredged Material from the Mobile Ship Channel	\$6,000,000.00
17	AL2-19 Restoration of Dauphin Island's West End Dunes	\$225,000.00
18	AL2-20 Dauphin Island Aloe Bay Property Acquisition	\$1,250,000.00
19	AL2-21 Stream Restoration of Tributary to Tiawasee and D'Olive Creek	\$540,000.00
20	AL2-22 Perdido Bay Coastal Islands Acquisition	\$344,500.00
21	AL2-23 Oyster Reef Enhancement: Quantifying Benefits to the Fishery	\$836,529.36
22	AL2-24 Coastal Alabama Land Acquisition	\$2,000,000.00
23	AL2-25 Habitat Protection and Restoration along State-Owned Lands in South Mobile County	\$5,000,000.00
24	AL2-26 Submerged Aquatic Vegetation Mapping in Coastal Alabama	\$500,000.00
25	AL2-27 Construction a 1500-foot Boardwalk at the Weeks Bay Reserve	\$300,000.00
26	AL2-28 Enhancement, Research, and Development of Alabama's Artificial Reef System	\$1,600,000.00
27	AL2-29 Water Quality Enhancement in Coastal Watersheds	1,350,000.00
AU #1 Subtotal (\$):		\$60,671,029.36
Authorized Use #2: Mitigation of damage to fish, wildlife, or natural resources.		

1	AL2-7 Removal of Derelict Structures and Vessels in Waterways from Hurricanes	\$250,000.00
2	AL2-8 Support of Natural Resource Damage Assessment Program (NRDA) in Coastal Alabama	\$400,000.00
AU #2 Subtotal (\$):		\$650,000.00
Authorized Use #3: Planning assistance and the administrative costs of complying with CIAP.		
0	None	\$0.00
AU #3 Subtotal (\$):		\$0.00
Authorized Use #4: Implementation of a Federally-approved marine, coastal, or comprehensive conservation management plan.		
0	None	\$0.00
AU #4 Subtotal (\$):		\$0.00
Authorized Use #5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.		
0	None	\$0.00
AU #5 Subtotal (\$):		\$0.00
29	Total of all AU's (\$):	\$61,321,029.36

Baldwin County Project List Tables Tier One and Tier Two

ALABAMA COASTAL IMPACT ASSISTANCE PLAN for FY 2007, 2008, 2009, and 2010						
TABLE 1: BALDWIN COUNTY - TIER 1 PROJECTS						
Project Title	Estimated Project Cost (\$)	Estimated Project Cost (\$) by FY Allocation Request				
		FY 2007	FY 2008	FY 2009	FY 2010	
AU #1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.						
1	BC-01 Wetland and Waterway Protection *(an amendment request has been submitted to add \$100,000 to this project. Funds will be moved from BC2-4	\$1,279,974.00	\$847,952.68	\$432,021.32	\$0.00	\$0.00
2	BC-01-A Wetland and Waterway Protection	\$3,246,092.98	\$0.00	\$0.00	\$988,971.34	\$2,257,121.64
	BC-02 Acquisition of Property for Conservation & Public Access	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	BC-2 Acquisition of Property for Conservation and Public Access - Fish River	\$893,125.00	\$893,125.00	\$0.00	\$0.00	\$0.00
4	BC-2-2 Acquisition of Property for Conservation & Public Access (County Road 1)	\$1,205,969.64	\$1,200,969.64	\$5,000.00	\$0.00	\$0.00
5	BC-06 Exotic Plant Species Management	\$103,000.00	\$0.00	\$103,000.00	\$0.00	\$0.00
6	BC-07 Coastal Dune Restoration	\$240,000.00	\$0.00	\$240,000.00	\$0.00	\$0.00
7	BC-08 Shoreline/Habitat Restoration	\$200,000.00	\$0.00	\$200,000.00	\$0.00	\$0.00
8	BC-09 Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$250,000.00	\$0.00	\$250,000.00	\$0.00	\$0.00
9	BC-10 Acquisition of Property for Boating Access	\$2,003,000.00	\$0.00	\$2,003,000.00	\$0.00	\$0.00
10	BC2-01 Erosion Control Equipment for Highway Department	\$482,000.00	\$0.00	\$482,000.00	\$0.00	\$0.00
11	BC2-4 Water & Wastewater Infrastructure Study *(this project is being removed; a request to move the funds to BC-01 has been submitted, but not approved.)	\$100,000.00	\$0.00	\$100,000.00	\$0.00	\$0.00
12	BC-12 Acquisition of Live Oak Landing	\$2,000,000.00	\$0.00	\$0.00	\$2,000,000.00	\$0.00
13	BC-13 Raymond L Harris Nature Preserve	\$250,000.00	\$0.00	\$0.00	\$0.00	\$250,000.00
14	BC-14 Stream Restoration for Tributary to D'Olive Creek	\$250,000.00	\$0.00	\$0.00	\$0.00	\$250,000.00
15	BC-15 Dauphin Island Sea Lab Habitat Restoration	\$200,000.00	\$0.00	\$0.00	\$0.00	\$200,000.00
AU #1 Subtotal (\$):		\$12,703,161.62	\$2,942,047.32	\$3,815,021.32	\$2,988,971.34	\$2,957,121.64
AU #2: Mitigation of damage to fish, wildlife, or natural resources.						
0	None	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #2 Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #3: Planning assistance and the administrative costs of complying with CIAP.						
1	BC-03 Administration of the Coastal Impact Assistance Program	\$200,000.00	\$100,000.00	\$100,000.00	\$0.00	\$0.00
2	BC-03-A Administration of the Coastal Impact Assistance Program	\$200,000.00	\$0.00	\$0.00	\$100,000.00	\$100,000.00
AU #3 Subtotal (\$):		\$400,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00

AU #4: Implementation of a Federally-approved marine, coastal, or comprehensive conservation management plan.						
1	BC-04 Magnolia Landfill Gas Collection System	\$727,026.00	\$650,000.00	\$77,026.00	\$0.00	\$0.00
2	BC-05 Comprehensive Land Use Plan Development	\$300,000.00	\$300,000.00	\$0.00	\$0.00	\$0.00
AU #4 Subtotal (\$):		\$1,027,026.00	\$950,000.00	\$77,026.00	\$0.00	\$0.00
AU #5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.						
0	None	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #5 Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	Total of all AU's (\$):	\$14,130,187.62	\$3,992,047.32	\$3,992,047.32	\$3,088,971.34	\$3,057,121.64

ALABAMA COASTAL IMPACT ASSISTANCE PLAN
for FY 2007, 2008, 2009, and 2010

TABLE 2: BALDWIN COUNTY TIER ONE PROJECTS – FISCAL COMPLIANCE

Authorized Use	Estimated Project Cost Subtotals (\$)				
	by FY Allocation Request				
	(from Table 1)				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Authorized Use #1	\$12,703,161.62	\$2,942,047.32	\$3,815,021.32	\$2,988,971.34	\$2,957,121.64
Authorized Use #2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use #3	\$400,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
Authorized Use #4	\$1,027,026.00	\$950,000.00	\$77,026.00	\$0.00	\$0.00
Authorized Use #5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total All AU's (\$):	\$14,130,187.62	\$3,992,047.32	\$3,992,047.32	\$3,088,971.34	\$3,057,121.64
Actual FY Allocation (\$):	\$14,130,187.62	\$3,992,047.32	\$3,992,047.32	\$3,088,971.34	\$3,057,121.64
Actual (\$) minus Total (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total AU #3 & #5 (\$):	\$400,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
Actual 23% FY Limit (\$):		\$918,170.88	\$918,170.88	\$710,463.41	\$703,137.98
Actual (\$) minus Total (\$):		\$818,170.88	\$818,170.88	\$610,463.41	\$603,137.98
Authorized Use	Estimated Project Cost Subtotals				
	as a Percentage of Total FY Allocation Request				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Authorized Use #1	89.90%	73.70%	95.57%	96.76%	96.73%
Authorized Use #2	0.00%	0.00%	0.00%	0.00%	0.00%
Authorized Use #3	2.83%	2.50%	2.50%	3.24%	3.27%
Authorized Use #4	7.27%	23.80%	1.93%	0.00%	0.00%
Authorized Use #5	0.00%	0.00%	0.00%	0.00%	0.00%
Total All AU's (%):	100.00%	100.00%	100.00%	100.00%	100.00%
Authorized Use	Estimated Project Cost Subtotals				
	as a Percentage of Actual FY Allocation				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Total All Authorized Uses	100.00%	100.00%	100.00%	100.00%	100.00%
Authorized Use #3	2.83%	2.50%	2.50%	3.24%	3.27%
Authorized Use #5	0.00%	0.00%	0.00%	0.00%	0.00%
Total AU #3 & #5:	2.83%	2.50%	2.50%	3.24%	3.27%

**ALABAMA COASTAL IMPACT ASSISTANCE PLAN
for FY 2007, 2008, 2009, and 2010**

TABLE 3: BALDWIN COUNTY - TIER TWO PROJECTS

Project by Authorized Use		Estimated Project Cost (\$)
Authorized Use #1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.		
1	BC2-2 Enhancement of Recycling Facility at Magnolia Landfill	\$300,000.00
2	BC2-3 Household Hazardous Waste Amnesty Day	\$150,000.00
3	BC2-05 Stream Restoration for Tributary to Tiawasee Creek	\$300,000.00
4	BC2-06 Nature Center at Bicentennial Park	\$875,000.00
5	BC2-07 Acquisition of Property for Conservation & Public Access	\$2,000,000.00
AU #1 Subtotal (\$):		\$3,625,000.00
Authorized Use #2: Mitigation of damage to fish, wildlife, or natural resources.		
0	None	\$0.00
AU #2 Subtotal (\$):		\$0.00
Authorized Use #3: Planning assistance and the administrative costs of complying with CIAP.		
0	None	\$0.00
AU #3 Subtotal (\$):		\$0.00
Authorized Use #4: Implementation of a Federally-approved marine, coastal, or comprehensive conservation management plan.		
0	None	\$0.00
AU #4 Subtotal (\$):		\$0.00
Authorized Use #5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.		
0	None	\$0.00
AU #5 Subtotal (\$):		\$0.00
5	Total of all AU's (\$):	\$3,625,000.00

Mobile County Project List Tables Tier One and Tier Two

ALABAMA COASTAL IMPACT ASSISTANCE PLAN for FY 2007, 2008, 2009, and 2010						
TABLE 1: MOBILE COUNTY - TIER 1 PROJECTS						
Project Title		Estimated Project Cost (\$)	Estimated Project Cost (\$) by FY Allocation Request			
			FY 2007	FY 2008	FY 2009	FY 2010
AU #1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.						
1	MC-02 Mobile County River Delta Tourism and Welcome Center Property Acquisition and Improvements	\$1,616,399.37	\$1,000,000.00	\$616,399.37	\$0.00	\$0.00
2	MC-04 Dauphin Island Campground Improvements	\$273,000.00	\$73,000.00	\$200,000.00	\$0.00	\$0.00
3	MC-05 Dauphin Island Bicycle Trail Repair	\$95,000.00	\$0.00	\$95,000.00	\$0.00	\$0.00
4	MC-08 Sensitive Habitat Restoration and Enhancement of County-owned Property	\$2,410,600.63	\$1,925,000.00	\$485,600.63	\$0.00	\$0.00
5	MC-08-A Sensitive Habitat Restoration and Enhancement of County-owned Property	\$3,310,655.54	\$0.00	\$0.00	\$2,325,000.00	\$985,655.54
6	MC-09 Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$249,998.17	\$152,000.00	\$97,998.17	\$0.00	\$0.00
7	MC-09-A Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama	\$500,000.00	\$0.00	\$0.00	\$250,000.00	\$250,000.00
8	MC-10 North Mobile County Wastewater Facilities	\$1,500,000.00	\$650,000.00	\$850,000.00	\$0.00	\$0.00
9	MC-10-A North Mobile County Wastewater Facilities	\$1,300,000.00	\$0.00	\$0.00	\$0.00	\$1,300,000.00
10	MC-11 Coastal Research Weather Stations	\$145,001.83	\$145,000.00	\$1.83	\$0.00	\$0.00
11	MC-12 West Mobile County Conservation Property Acquisition	\$2,250,000.00	\$825,000.00	\$1,425,000.00	\$0.00	\$0.00
12	MC-12-A West Mobile County Conservation Property Acquisition	\$1,500,000.00	\$0.00	\$0.00	\$1,000,000.00	\$500,000.00
13	MC-13 Acquisition of Sensitive Waterfront Property, Dauphin Island	\$1,000,000.00	\$0.00	\$1,000,000.00	\$0.00	\$0.00
14	MC-14 Improved Stormwater Management Program	\$500,000.00	\$0.00	\$0.00	\$0.00	\$500,000.00
AU #1 Subtotal (\$):		\$16,650,655.54	\$4,770,000.00	\$4,770,000.00	\$3,575,000.00	\$3,535,655.54
AU #2: Mitigation of damage to fish, wildlife, or natural resources.						
0	None	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #2 Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #3: Planning assistance and the administrative costs of complying with CIAP.						
1	MC-01 Administration of the Coastal Impact Assistance Program	\$362,030.28	\$181,015.14	\$181,015.14	\$0.00	\$0.00
2	MC-01-A Administration of the Coastal Impact Assistance Program	\$481,837.48	\$0.00	\$0.00	\$240,918.74	\$240,918.74
AU #3 Subtotal (\$):		\$843,867.76	\$181,015.14	\$181,015.14	\$240,918.74	\$240,918.74
AU #4: Implementation of a Federally-approved marine, coastal, or comprehensive conservation management plan.						
0	None	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #4 Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.						
0	None	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AU #5 Subtotal (\$):		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	Total of all AU's (\$):	\$17,494,523.30	\$4,951,015.14	\$4,951,015.14	\$3,815,918.74	\$3,776,574.28

ALABAMA COASTAL IMPACT ASSISTANCE PLAN
for FY 2007, 2008, 2009, and 2010

TABLE 2: MOBILE COUNTY TIER 1 PROJECTS – FISCAL COMPLIANCE

Authorized Use	Estimated Project Cost Subtotals (\$)				
	by FY Allocation Request				
	(from Table 1)				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Authorized Use #1	\$16,650,655.54	\$4,770,000.00	\$4,770,000.00	\$3,575,000.00	\$3,535,655.54
Authorized Use #2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use #3	\$843,867.76	\$181,015.14	\$181,015.14	\$240,918.74	\$240,918.74
Authorized Use #4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Authorized Use #5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total All AU's (\$):	\$17,494,523.30	\$4,951,015.14	\$4,951,015.14	\$3,815,918.74	\$3,776,574.28
Actual FY Allocation (\$):	\$17,494,523.30	\$4,951,015.14	\$4,951,015.14	\$3,815,918.74	\$3,776,574.28
Actual (\$) minus Total (\$):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total AU #3 & #5 (\$):	\$843,867.76	\$181,015.14	\$181,015.14	\$240,918.74	\$240,918.74
Actual 23% FY Limit (\$):		\$1,138,733.48	\$1,138,733.48	\$877,661.31	\$868,612.08
Actual (\$) minus Total (\$):		\$957,718.34	\$957,718.34	\$636,742.57	\$627,693.34

Authorized Use	Estimated Project Cost Subtotals				
	as a Percentage of Total FY Allocation Request				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Authorized Use #1	95.18%	96.34%	96.34%	93.69%	93.62%
Authorized Use #2	0.00%	0.00%	0.00%	0.00%	0.00%
Authorized Use #3	4.82%	3.66%	3.66%	6.31%	6.38%
Authorized Use #4	0.00%	0.00%	0.00%	0.00%	0.00%
Authorized Use #5	0.00%	0.00%	0.00%	0.00%	0.00%
Total All AU's (%):	100.00%	100.00%	100.00%	100.00%	100.00%

Authorized Use	Estimated Project Cost Subtotals				
	as a Percentage of Actual FY Allocation				
	Total	FY 2007	FY 2008	FY 2009	FY 2010
Total All Authorized Uses	100.00%	100.00%	100.00%	100.00%	100.00%
Authorized Use #3	4.82%	3.66%	3.66%	6.31%	6.38%
Authorized Use #5	0.00%	0.00%	0.00%	0.00%	0.00%
Total AU #3 & #5:	4.82%	3.66%	3.66%	6.31%	6.38%

ALABAMA COASTAL IMPACT ASSISTANCE PLAN
for FY 2007, 2008, 2009, and 2010

TABLE 3: MOBILE COUNTY - TIER TWO PROJECTS

Project by Authorized Use		Estimated Project Cost (\$)
Authorized Use #1: Projects and activities for the conservation, protection, or restoration of coastal areas, including wetland.		
1	MC2-1 Mobile County Conservation Acquisition	\$4,000,000.00
2	MC2-2 South Mobile County Wastewater Facilities	\$2,500,000.00
3	MC2-3 Dauphin Island Causeway Restoration, Protection, and Public Access Project	\$1,000,000.00
4	MC2-4 West Mobile County Wastewater Facilities	\$2,500,000.00
5	MC2-5 Theodore Ship Channel Boat Access	\$1,000,000.00
6	MC2-6 Erosion & Sediment Control	\$1,000,000.00
7	MC2-7 Bayfront Park Improvements	\$275,000.00
8	MC2-8 Erosion control Equipment for Public Works Department	\$500,000.00
9	MC-03 Heron Bay Cut-Off Access Improvements (was Tier 1 in approved plan)	\$725,000.00
10	MC-07 Mobile County Greenprint Project (was Tier 1 in approved plan)	\$73,000.00
11	MC-06 Establishment of a Mobile County Recycling Facility (was Tier 1 in approved plan)	\$775,000.00
12	MC2-9 Escatawpa Hollow River Park Acquisition and Education Center	\$2,000,000.00
13	MC2-11 Household Hazardous Waste Collection Events	\$500,000.00
14	MC2-12 Habitat Restoration on Public Lands	\$3,000,000.00
AU #1 Subtotal (\$):		\$19,848,000.00
Authorized Use #2: Mitigation of damage to fish, wildlife, or natural resources.		
0	None	\$0.00
AU #2 Subtotal (\$):		\$0.00
Authorized Use #3: Planning assistance and the administrative costs of complying with CIAP.		
0	None	\$0.00
AU #3 Subtotal (\$):		\$0.00
Authorized Use #4: Implementation of a Federally-approved marine, coastal, or comprehensive conservation management plan.		
0	None	\$0.00
AU #4 Subtotal (\$):		\$0.00
Authorized Use #5: Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.		
0	None	\$0.00
AU #5 Subtotal (\$):		\$0.00
14	Total of all AU's (\$):	\$19,848,000.00

Appendix G

Summarizing All Changes to CIAP Plan

State of Alabama

AL-01 Acquisition of Perdido River Longleaf Hills: South Addition

Total amount included in approved CIAP Plan: \$6,906,655.00
FY 2007: \$6,906,655.00
FY 2008: \$ 50,345.00

Amount awarded to date: M11AF00095
FY 2007: \$6,906,655.00
FY 2008: \$ 50,345.00

Summary of Changes:

The grant amount was increased by \$50,345.00.00 from the amount in the approved plan and these funds were allocated from FY 2008 AL-11. The new total amount for the project is \$6,957,000.00.

AL-02 Administration of the Coastal Impact Assistance Program

AL-02-1 Administration of the Coastal Impact Assistance Program for Fiscal Year 2009 and 2010

Total amount included in approved CIAP Plan: \$630,427.62
FY 2007: \$309,386.12
FY 2008: \$321,041.50

AL-02 - Amount awarded to date: (M10AF20027) \$293,744.84

FY 2007: \$259,386.11
FY 2008: \$ 34,358.73

AL-02-1 (M11AF00120): \$174,410.02

FY 2007: \$0.00
FY 2008: \$174,410.02

Summary of Changes

On June 29, 2009 \$50,000.00 of FY 2007 funds was allocated to AL-13-A1 from AL-02 resulting in a new total project amount of \$580,427.62. A grant for \$293,744.84 was awarded on March 12, 2010. This amount included all administrative costs to September 30, 2009. On May 9, 2011, \$174,410.02 was awarded for FY 2010 expenses leaving \$112,272.76 remaining in this project. As soon as the State of Alabama CIAP Plan Amendment for FY 2009 and FY 2010 is approved, the remaining funds will be applied for to include FY 2011 administrative costs.

AL-03 Infrastructure Improvements at Designated Protected Areas in coastal Alabama

Total amount included in approved CIAP Plan: \$500,000.00
FY 2007: \$ 0.00
FY 2008: \$500,000.00

A grant application for this project has not yet been submitted.

AL-04 Weeks Bay National Estuarine Research Reserve Education and Multipurpose Building Construction

Total amount included in approved CIAP Plan: \$1,392,503.47

FY 2007: \$1,392,503.47

FY 2008: \$ 0.00

Amount awarded to date: (M09AF15780) \$941,578.20

FY 2007: \$941,578.20

FY 2008: \$ 0.00

Grant for \$941,578.20 was awarded on 09/03/2009. The remaining funds in this project (\$450,925.27) will be submitted in a subsequent grant application in the future.

AL-05 Water-Based Nature Trail Development in Coastal Alabama

Total amount included in approved CIAP Plan: \$750,000.00

FY 2007: \$0.00

FY 2008: \$750,000.00

A grant application for this project has not yet been submitted.

AL-06 GIS-based Inventory of Oil and Gas Leased Tracts Including Pipelines and Infrastructure

Total amount included in approved CIAP Plan: \$200,000.00

FY 2007: \$0.00

FY 2008: \$200,000.00

Amount awarded to date: (M11AF00038) \$200,019.40

FY 2007: \$0.00

FY 2008: \$200,019.40

The grant amount was increased by \$19.40. These funds were allocated from FY 2008 AL-11.

AL-07 Investigation and Control of Non-native Terrestrial Exotic and Nuisance Species in Designated Protected Areas

Total amount included in approved CIAP Plan: \$766,666.67

FY 2007: \$ 0.00

FY 2008: \$766,666.67

Grant application for \$765,098.99 submitted on 03/28/2011; revised application for \$722,668.61 submitted on May 31, 2011. Grant not yet awarded.

AL-08 Reintroduction of Native Vegetation in Areas Converted for Silvicultural or Agricultural Activities (e.g. reforestation of longleaf areas)

Total amount included in approved CIAP Plan: \$1,000,000.00

FY 2007: \$ 0.00

FY 2008: \$1,000,000.00

Grant application for \$758,916.42 submitted on 03/31/2011. Grant not yet awarded.

AL-09 Wetland Restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River

Total amount included in approved CIAP Plan: \$416,666.67

FY 2007: \$ 0.00

FY 2008: \$416,666.67

Amount awarded to date: \$202,013.32

AL-09 – (M11AF00039)

FY 2007: \$ 0.00

FY 2008: \$202,013.32

AL-09-1 Wetland Restoration in Grand Bay, Mobile-Tensaw Delta, Lillian Swamp and Perdido River –
Development of Comprehensive Wetland Restoration Projects and Strategies for Coastal
Alabama (M11AF00117)

FY 2007: \$ 0.00

FY 2008: \$100,000.00

The remaining funds in this project (\$114,653.35) will be submitted in a subsequent grant application.

AL-10 Equipment and Infrastructure Improvements to Enhance Land Conservation Management and Activities in Coastal Areas

Total amount included in approved CIAP Plan: \$642,503.46

FY 2007: \$ 0.00

FY 2008: \$642,503.46

Amount awarded to date: \$185,850.00

AL-10 – Equipment and Infrastructure Improvements to Enhance Land Conservation Management and
Activities in Coastal Areas (M11AF00040)

FY 2007: \$ 0.00

FY 2008: \$185,850.00

AL-10-A1 – Amendment 1 Equipment and Infrastructure Improvements to Enhance Land Conservation Management and Activities in Coastal Areas

FY 2007: \$ 0.00
FY 2008: \$11,900.00

The remaining funds (\$444,753.46) in this project will be submitted in a subsequent grant application.

AL-11 Restoration of Wildlife and Plant communities Impacted by Habitat Disturbances

Total amount included in approved CIAP Plan: \$416,666.27
FY 2007: \$ 0.00
FY 2008: \$416,666.27

AL-11 – Award Pending
FY 2007: \$ 0.00
FY 2008: \$100,000.00

This grant amount was decreased by \$50,345.00 of FY 2008 funds to allocate funds to AL-01. Also, \$19.40 from FY 2008 was allocated to AL-06. The remaining funds (\$366,301.87) in this project will be applied for in a subsequent grant application.

AL-12 Investigation of Restoration of Hydrology on Mobile Bay Causeway

Total amount included in approved CIAP Plan: \$500,000.00
FY 2007: \$ 0.00
FY 2008: \$500,000.00

A grant application for this project has not yet been submitted.

AL-13 Implementing Conservation through Reconstruction of the Gulf State Park Pier

Total amount included in approved CIAP Plan: \$8,000,000.00
FY 2007: \$8,000,000.00
FY 2008: \$ 0.00

AL-13 - (M09AF15409)

FY 2007: \$8,050,000.00
FY 2008: \$ 0.00

AL-02 provided \$50,000.00 of FY 2007 funding.

AL-13- A1 Gulf State Park Pier Exhibits

FY 2007: \$ 0.00
FY 2008: \$191,412.00

AL-14 provided \$191,412.00 of FY 2008 funding.

Total Amount Awarded: \$8,241,412.00

FY 2007: \$8,050,000.00

FY 2008: \$ 191,412.00

AL-14 Gulf State Park Environmental Education Center

Total amount included in approved CIAP Plan: \$2,000,000.00

FY 2007: \$ 0.00

FY 2008: \$2,000,000.00

Amount awarded to date: (M11AF00037) \$769,974.32

FY 2007: \$ 0.00

FY 2008: \$769,974.32

Phase 2 construction funds were applied for on 03/01/2011 (\$869,962.00). Also, \$191,412.00 was allocated from this project to AL-13.A1 for the construction of pier signs and exhibits. The remaining funds (\$168,651.68) in this project will be applied for in a subsequent grant application. UPDATE
*Revised application for \$878,762.00 submitted on 05/28/2011. Grant not yet awarded.

AL-15 Restoration of Gulf State Park Campground Vegetation

Total amount included in approved CIAP Plan: \$245,000.00

FY 2007: \$ 0.00

FY 2008: \$245,000.00

A grant application for this project has not yet been submitted.

AL-16 Longleaf Pine Restoration at Gulf State Park

Total amount included in approved CIAP Plan: \$420,000.00

FY 2007: \$ 0.00

FY 2008: \$420,000.00

A grant application for this project has not yet been submitted.

AL-17 Gulf State Park Land Management Program

Total amount included in approved CIAP Plan: \$750,000.00

FY 2007: \$ 0.00

FY 2008: \$750,000.00

A grant application for this project has not yet been submitted.

AL-18 Freshwater Mollusk and Fish Enhancement and Restoration in Coastal River Systems

Total amount included in approved CIAP Plan: \$1,000,000.00
FY 2007: \$ 0.00
FY 2008: \$1,000,000.00

AL-18 – (M11AF00027)

FY 2007: \$ 0.00
FY 2008: \$307,076.68

The remaining funds (\$692,923.32) will be applied for construction funds for the building.

AL-19 Improvements to the Marine Resources Division’s Facilities at Claude Peteet Mariculture Center in Gulf Shores, Alabama

Total amount included in approved CIAP Plan: \$4,500,000.00

FY 2007: \$0.00
FY 2008: \$4,500,000.00

AL-19 (M10AF20114)

Note \$75,000 of funding from AL-23 was allocated to this project.
A grant amendment was submitted amending several items and requesting Phase 2 construction funds.

Total project amount: \$4,575,000.00
FY 2007: \$0.00
FY 2008: \$4,575,000.00

AL-20 Improvements to Marine Resource Division’s Facilities on Dauphin Island, Alabama

Total amount included in approved CIAP Plan: \$550,000.00
FY 2007: \$0.00
FY 2008: \$550,000.00

Note \$125,000.00 of funding from AL-23 was allocated to this project resulting in a new total project amount of \$675,000.00.

AL-20 (M10AF20136)
FY 2007: \$ 0.00
FY 2008: \$150,000.00

AL-20 A1
FY 2007: \$ 0.00
FY 2008: \$525,000.00

AL-21 Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama

Total amount included in approved CIAP Plan: \$100,000.00

FY 2007: \$ 0.00

FY 2008: \$100,000.00

Amount awarded to date 07/20/2010.

AL-21 (M10AF20101)

FY 2007: \$ 0.00

FY 2008: \$100,000.00

AL-22 Research Equipment and software for Artificial Reef and Coastal Resource Management

Total amount included in approved CIAP Plan: \$330,000.00

FY 2007: \$ 0.00

FY 2008: \$330,000.00

Amount awarded to date 11/18/2010.

AL-22 (M11AF00009)

FY 2007: \$ 0.00

FY 2008: \$330,000.00

AL-23 External Audit of Marine Resource Division's biological Sampling and Analysis Programs

Project deleted and won't be implemented. Funding allocated. \$125,000 allocated to AL-20 and \$75,000.00 allocated to AL-19.

AL-24 Acquisition of Sensitive Waterfront Property, Dauphin Island

Total amount included in approved CIAP Plan: \$1,000,000.00

FY 2007: \$ 0.00

FY 2008: \$1,000,000.00

Amount awarded to date \$937,692.00

AL-24 (M11AF00091)

FY 2007: \$ 0.00

FY 2008: \$937,692.00

The remaining funds (\$62,308.00) in this project will be submitted in a subsequent grant application.

Baldwin County, Alabama

BC-01 Wetland and Waterway Protection

Since the grant award date, the project recipient contact has changed:

From: Ms. Julie Bachelor

To: Mr. Joey Nunnally

PO Box 220

Silver hill, AL 36576

Phone: (251) 972-8533

Fax: (251) 972-6832

Email: jnunnally@baldwincountyal.gov

Total amount included in approved CIAP Plan: \$900,000

FY 2007: \$822,952.68

FY 2008: \$ 77,017.32

Amount awarded to date: (M09AF16105)

FY 2007: \$847,952.68

FY 2008: \$432,021.32

Summary Changes:

- The grant amount was increased by \$379,974 from the amount in the approved plan; additional \$25,000 comes from FY07 BC-03 Administration of the Coastal Impact Assistance Program, additional \$12,000 comes from FY08 BC-03, and additional \$342,974 comes from FY08 undesignated funds.
- A request for an amendment to add \$100,000 to this project was submitted on May 10, 2011. The \$100,000 comes from FY08 BC-2-4 Water and Wastewater Infrastructure Study. Since the request for amendment has not been approved, the funding tables for BC-01 and BC-2-4 have not been updated.

The length of Barrineau Park Road has been changed from 0.5 miles long to 2.8 miles long

The list of road locations where the work will be performed has changed from:

Road Name	Miles to be Paved	Latitude	Longitude
Bryants Landing Road	0.7	87 47' 44.41" W	31 10' 24.45" N
Burnt Car Road	1.9	87 50' 47.72" W	31 1' 8.41" N
Barrineau Park Road	0.5	87 28' 24.42" W	30 40' 50.84" N
Nolte Creek Drive	0.9	87 47' 41.25" W	30 22' 50.84" N
Baudin Lane	0.8	87 49' 8.71" W	30 22' 43.19" N
Woodhaven Dairy Rd	0.8	87 47' 49.08" W	30 29' 32.32" N

To:

Road Name	Miles to be Paved	Latitude	Longitude	From / To
Bryants Landing Road	0.7	87 47' 44.41" W	31 10' 24.45" N	From end of Pavement to end of maintenance.
Burnt Car Road	1.9	87 50' 47.72" W	31 1' 8.41" N	From end of pavement to Holley Creek Landing Road
Saw Mill Road	1.35	87 42' 52.30" W	31 17' 27.77" N	From end of pavement to beginning of pavement
Barrineau Park Road	2.8	87 28' 24.42" W	30 40' 50.84" N	From County Rd 112 to Perdido River
3 Mile Creek Road	1.2	87 48' 05.74" W	30 39' 22.10" N	From Hilliard Jenkins Rd to end of maintenance
Hilliard Jenkins Road	0.2	87 48' 05.75" W	30 39' 14.65" N	From end of pavement to 3 Mile Rd
Nolte Creek Drive	0.9	87 47' 41.25" W	30 22' 50.84" N	From County Rd 26 to end of maintenance
Baudin Lane	0.8	87 49' 8.71" W	30 22' 43.19" N	From County Rd 26 to end of maintenance
Woodhaven Dairy Rd	0.8	87 47' 49.08" W	30 29' 32.32" N	From County Rd 9 to end of maintenance
Ted Lysek Road	0.25	87 43' 16.33" W	30 29' 23.63" N	From County Rd 34 to Spring Creek Drive
Spring Creek Drive	0.55	87 43' 10.47" W	30 29' 23.63" N	From Ted Lysek Rd to end of maintenance
Bretz Lane	0.65	87 43' 53.63" W	30 23' 26.47" N	From County Rd 83 to end of maintenance

The measurable objectives of the project changed:

From: The objective is to provide roadway stabilization through paving and drainage stabilization to approximately 6 miles of roadway. The paving and ditch stabilization of these dirt roads will reduce the amount of sediment in the surrounding wetlands and waterways by approximately 4,000 cubic yards or 160 dump truck loads.

To:

The objective of this project is to place a permanent asphalt all weather surface on the identified roads and permanently stabilize all associated ditches. Specifically, the objective is to permanently stabilize approximately 88 acres of currently exposed red clay dirt roads over a distance of 12.1 combined miles.

Since the grant award date, the project manager was changed

From: Mr. Frank Lundy

To: Mr. Joey Nunnally

PO Box 220

Silver hill, AL 36576

Phone: (251) 972-8533

Fax: (251) 972-6832

Email: jnunnally@baldwincountyal.gov

BC-02 Acquisition of Property for Conservation and Public Access (Fish River)

Since the grant award date, the project recipient contact and project manger have changed:

From: Ms. Julie Bachelor
To: Wesley Pennington
PO Box 220
Silver hill, AL 36576
Phone: (251) 972-8559
Fax: (251) 972-6832
Email: wpennington@baldwincountyal.gov

Total amount included in approved CIAP Plan \$2,094,094.64
FY 2007: \$2,094,094.64
FY2008: \$0.00

Amount Awarded to date: (M11AF00015)
FY 2007: \$893,125.00
FY2008: \$0.00

The duration of the project changed from 2 years to 3 years, 2 months.

Summary Changes:

- The total cost in the approved plan for Acquisition of Property for Conservation and Public Access was \$2,094,094.64 (FY07). Of that amount, \$893,125.00 was awarded for Acquisition of Property for Conservation and Public Access – BC2-Fish River. The awarded funds were allocated in the amount \$893,125.00 (FY07). The remaining \$1,200,969.64 was allocated to BC-2-2 Acquisition of Property for Conservation and Public Access (County Road 1)

BC-2-2 Acquisition of Property for Conservation and Pubic Access (County Road 1)

Since the grant was award date, the project recipient contact and project manager has changed:

From: Ms. Julie Bachelor
To: Wesley Pennington
PO Box 220
Silver hill, AL 36576
Phone: (251) 972-8559
Fax: (251) 972-6832
Email: wpennington@baldwincountyal.gov

Total amount included in the approved CIAP Plan: \$ 2,094,094.64
FY 2007: \$ 2,094,094.64
FY 2008: \$ 0.00

Amount awarded to date: (M10AF20176)
FY 2007: \$ 1,200,969.64
FY 2008: \$ 5,000.00

Summary of Changes:

- The total cost in the approved plan for Acquisition of Property for Conservation and Public Access was \$2,094,094.64 (FY07). Of that amount, \$1, 205,969.64 was awarded for Acquisition of Property for Conservation and Public Access – BC2-2 -County Road 1. The awarded funds

were allocated in the amount \$1,200,969.64 (FY07) plus an additional \$5,000 from FY08 BC-03 Administration of the Coastal Impact Assistance Program. The remaining \$893,125.00 was allocated to BC-2 Acquisition of Property for Conservation and Public Access (Fish River)

The duration of the project changed from 2 years to 19 months.

The title was changed from Acquisition of Property for Conservation and Public Access to Acquisition of Property for Conservation and Public Access – BC-2-2-Cournty Road 1

BC-03 Administration of the Coastal Impact Assistance Program

Total amount included in approved CIAP Plan: \$250,000.00

FY 2007: \$125,000.00

FY 2008: \$125,000.00

A grant application for this project has not yet been submitted; however funds have been reallocated and approved in other project grant awards:

FY2007: \$25,000.00 was allocated to BC-1 Wetlands and Waterways Protection

FY 2008:\$12,000.00 was allocated to BC-1 Wetlands and Waterways Protection

\$5,000.00 was allocated to BC-2-2 Acquisition of Property for Conservation and Public Access (County Road 1)

\$ 3,000.00 was allocated to BC-6 Exotic Plan Species Management

\$ 3,000.00 was allocated to BC-10 Acquisition of Property for Boating Access

\$ 2,000.00 was allocated to BC2-01 Erosion Control Equipment for Highway Department

Remaining Funds:

FY 2007: 100,000

FY 2008: 100,000

BC-04 Magnolia Landfill Gas Collection System

The project recipient contact changed from

From: Mr. James Ransom, Jr.

To: Ms. Julie Bachelor, P.E. Senior Natural Resource Planner

*Ms. Bachelor no long works for the Baldwin County Commission but the project was complete prior to her leaving.

Total amount included in approved CIAP Plan: \$650,000.00

FY07: \$650,000.00

FY08: \$0.00

Amount awarded to date: (M10AF20143)

FY 2007: \$ 650,000.00

FY 2008: \$ 77,026.00

Summary of Changes:

- The total cost in the approved CIAP plan was \$650,000. The total awarded amount was increased to \$727,026. The additional funding came from a 1,000,000.00 project that wasn't funded in the

final CIAP plan which left \$1,000,000.00 in undesignated funds. The additional \$77,026.00 was allocated from the undesignated funds.

The typo (in the approved plan) regarding the address of the project location was corrected in the grant application.

From: 15490 County Road 19

To: 15490 County Road 49

The duration of the project changed from 12 months to 10 months.

BC-05 Comprehensive Land Use Plan Development

Total amount included in the approved CIAP plan:

FY 2007: \$300,000

FY 2008: \$0.00

Amount awarded to date (M10AF20046):

FY 2007: \$243,664.21

FY 2008: \$0.00

Summary of Changes:

- The project came in under budget by \$56,335.79; the remaining funds (56,335.79) will be applied for in a subsequent grant application

BC-06 Exotic Plant Species Management

Since the grant award date, the project recipient contact has changed.

From: Ms. Julie Bachelor

To: Mr. Frank Lundy

PO Box 220

Silver hill, AL 36576

Phone: (251) 937-0371 x8558

Fax: (251) 972-6832

Email: flundy@baldwincountyal.gov

Total amount included in the approved CIAP plan:

FY 2007:

FY 2008: \$100,000.00

Amount awarded to date (M10AF20047)

FY 2007: \$ 0.00

FY 2008: \$ 103,000.00

Summary of Changes:

- The total cost in the approved in the CIAP plan was \$100,000. The total award amount was increased to \$103,000. The additional \$3,000.00 was allocated from FY08 BC-03 Administration of the Coastal Impact Assistance Program.

The duration of the project was changed from 24 months to 12 months.

The number of employees receiving education and training on invasive exotic plant species decreased from 20 to 6 personnel.

The equipment purchased was changed from four backpack sprayers, an all-terrain vehicle with a 25 gallon mounted sprayer and three 350 gallon truck mounted herbicide sprayers, to one 1635 gallon truck mounted herbicide sprayer.

The construction of two secure well ventilated herbicide storage buildings with 200 square feet each was changed to one 24x24 square foot well ventilated herbicide storage building.

BC-07 Coastal Dune Restoration

Since the grant award date, the project recipient contact has changed

From: Ms. Julie Bachelor
To: Ms. Alaina Elliott, Baldwin County Commission
312 Courthouse Square, Suite 15
Bay Minette, AL 36507
Phone: (251) 580-1623
Fax (251) 580-2536
Email: aelliott@baldwincountyal.gov

The project manager has changed

From: Ms. Kara Lankford
To: Mr. Joe Ryan
PO Box 220
Silver hill, AL 36576
Phone: (251) 580-1655 x7237
Fax: (251) 580-1656
Email: jryan@baldwincountyal.gov

Total amount included in the approved CIAP plan:

FY 2007: \$ 0.00
FY 2008: \$240,000.00

Amount awarded to date (M10AF20171)

FY 2007: \$0.00
FY 2008: \$200,750.00 (Phase 1)

A request for Phase II will be submitted in the amount of \$39,250.

The County will partner with the Bon Secour National Wildlife Refuge in order to assist them in the restoration of sensitive dune habitat located on refuge property. The refuge has approximately 8.6 acres of dune habitat in need of restoration due to recent hurricanes.

A dune walkover will be constructed on a portion of the county's restoration site in order to prevent the public from trampling the dune vegetation. The walkover will be approximately 200 feet long and 5 feet wide.

The Baldwin County Commission will partner with the Bon Secour National Wildlife Refuge by assisting in dune restoration on refuge property. The refuge is an arm of the United States Fish and Wildlife Service. Refuge staff will donate their expertise in dune restoration to the Baldwin County Commission.

The project is now a phased project:

Phase I - Plantings, Design, Permitting (\$200,750 has been awarded for Phase I)

Phase II – Construction (A request for Phase II will be submitted in the amount of \$39,250)

An amendment request for a no-cost time only extension has been approved through December 31, 2012.

Below are the new milestones approved with the amendment:

Phase 1 Milestones:

1. The recipient shall renew permits for dune planting. This activity is scheduled to be completed by December 31, 2011.
2. The recipient shall secure a Bid for a contractor to perform dune planting and purchase plants. This activity is scheduled to be completed by March 21, 2012.
3. Approximately 167,061 plants shall be planted along Ft. Morgan on County property and Bon Secour National Wildlife Refuge Property. This activity is scheduled to be completed by June 20, 2012.
4. Engineering and design plans for the dune walkover are scheduled to be completed by July 31, 2012.
5. The County shall obtain all necessary permits for the dune walkover by September 30, 2012.
6. The County shall send out an advertisement for bids to secure a contractor to construct the walkover by September 30, 2012.

BC-08 Shoreline Habitat Restoration

The project recipient contact has changed since the grant award date.

From: Ms. Julie Bachelor

To: Mr. Joey Nunnally

PO Box 220

Silver hill, AL 36576

Phone: (251) 972-8533

Fax: (251) 972-6832

Email: jnunnally@baldwincountyal.gov

Total amount included in the approved CIAP plan:

FY 2007: \$0.00

FY 2008: \$200,000.00

Amount awarded to date (M10AF20140)

FY 2007: \$0.00

FY 2008: \$200,000.00

The duration of the project changed from four (4) years to thirty (30) months.

The project will not include signage on Rabbit Island; signs will be placed at two (2) boat launches in Baldwin County.

BC-09 Continuous and Real-Time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama

The project recipient contact has changed
From: Ms. Julie Bachelor
To: Mr. Joey Nunnally
PO Box 220
Silver hill, AL 36576
Phone: (251) 972-8533
Fax: (251) 972-6832
Email: jnunnally@baldwincountyal.gov

Total amount included in the approved CIAP plan:
FY 2007: \$0.00
FY 2008: \$ 250,000.00

Amount awarded to date (M10AF20164)
FY 2007: \$0.00
FY 2008: \$ 250,000.00

The project duration has changed from 12 months to 27 months.

Baldwin County has included Bon Secour Bay as a site location for a monitoring station.

BC-10 Acquisition of Property for Boating Access

The project recipient contact and project manager has changed
From: Ms. Julie Bachelor
To: Mr. Wesley Pennington
PO Box 220
Silver hill, AL 36576
Phone: (251) 972-8559
Fax: (251) 972-6832
Email: wpennington@baldwincountyal.gov

Total amount included in the approved CIAP plan:
FY 2007: \$0.00
FY 2008: \$ 2,000,000.00

Current Total Allocated Funds for Acquisition of Property for Boating Access:
FY 2007: \$ 0.00
FY 2008: \$2,003,000.00

Current Amount of Funds Applied For (Pending Approval)
FY 2007: \$0.00
FY 2008: \$1,352,581.28

Summary Changes:

- The total cost approved in the CIAP plan was \$2,000,000. Since the plan was approved, an additional \$3,000 was allocated to this project from FY 2008 BC-03 Administration of the Coastal Impact Assistance Program. Of the \$2,003,000 allocated, \$1,352,581.28 has been

applied for, but not awarded. The remaining \$650,418.72 will be applied for in a subsequent application at a later date.

The duration of the project was changed from 1 year to 1 year, 2 months.

The approved planned stated the project would be phased. The two phases were combined in the grant application.

BC2-01 Erosion Control Equipment for Highway Department

The project recipient contact and project manager has changed since the grant award date.

From: Ms. Julie Bachelor

To: Mr. Frank Lundy

PO Box 220

Silver hill, AL 36576

Phone: (251) 937-0371 x8558

Fax (251) 972-6832

Email: flundy@baldwincountyal.gov

Total amount included in the approved CIAP plan:

FY 2007: \$480,000.00

FY 2008: \$0.00

Amount awarded to date:

FY 2007: \$0.00

FY 2008: \$482,000.00

Summary of Changes:

- The funding amount for the project in the approved plan was \$480,000 from FY07 funds. There was a typo in the approved plan; the funds are actually FY08 funds. This was correct in the approved grant application. The grant was awarded for \$482,000. The additional \$2,000.00 was allocated from FY 08 BC-03 Administration of the Coastal Impact Assistance Program.

The project location was incorrectly listed as Silver hill, AL, in the approved plan. The correct location is Baldwin County, AL. The correction was made in the grant application

The duration of the project was changed from 12 months to 18 months.

The plan stated the project would be done in two phases. This was changed to one phase in the application.

The approved plan did not include contractual work to be performed as part of the project. Contractual work was included and approved (as pre-award costs) in the application.

BC2-4 Water and Wastewater Infrastructure Study

Total amount included in the approved CIAP plan:

FY 2007: \$0.00

FY 2008: \$100,000.00

- This project has been removed and will not be implemented. A request for an amendment to reallocate the \$100,000 to BC-01 Wetland and Waterway Protection was submitted on May 10, 2011. Since the request for an amendment has not been approved, the funding tables for BC-01 and BC-2-4 have not been updated, but notations were made (in red text) on Appendix F Project List Tables and on the Financial Tables (Table 1: Baldwin County – Tier I Projects).

Mobile County, Alabama

MC-01 Administration of the Coastal Impact Assistance Program

- Project Number was MC-1 in the approved state plan; it has been changed to MC-01.

MC-02 Mobile County River Delta Tourism and Welcome Center Improvements

- The Project Title has changed to Mobile County River Delta Tourism and Welcome Center Improvements.
- The Project Number has changed from MC-2 to MC-02.
- The approved Alabama Coastal Impact Assistance Program plan described a phased approach for developing and implementing this project. Phase I was to include planning and design activities to better define and develop specifications for the proposed project and Phase II was to include project implementation. However, in order to expedite project development and to negotiate with the owner of the adjacent property, the Mobile County Commission chose to utilize GOMESA to engage an engineering firm to develop project design and specifications needed for this grant application. This action eliminates the need for the phased approach as described in the Plan.
- While the project goal remains the same, the objective has been shifted to focus on activities designed to improve and protect water quality and restore riparian habitat at the marina given that the acquisition negotiations for the adjacent property have been unsuccessful. Negotiations were not successful because the property owner was not willing to agree to the purchase price based on the appraised fair market value of the property. As a result, this proposal includes the addition of the creation of constructed wetlands on previously disturbed locations along the shores of Dead Lake and increased activities to restore the 7 acres of bottomland hardwood wetland areas adjacent to the marina and 3 acres of vegetated buffers throughout the park. Two hundred feet of dilapidated bulkhead will be removed and the shoreline restored to natural conditions.
- The project description in the approved plan included adding additional log cabins, renovating the main office, constructing a 28 stall boat storage facility, and replacing 700 feet of bulkhead and walkway. The first item has been removed. The main office will be demolished with the foundation/pilings remaining upon which an Environmental Stewardship Pavilion will be built. The initial engineer's budget estimate for this project exceeded the amount approved; therefore, the log cabins and main office were removed in order to reduce project costs. The engineer's assessment of the bulkhead and boat storage configuration resulted in proposing an increase to 56 boat stalls and increasing the amount of bulkhead and walkway to be replaced to 1,100 feet.
- After consultation with Alabama Forestry Commission on site, it was determined to be more beneficial to the environment and wildlife habitat to leave the vegetative debris.
- The budgeted amount increased \$89,399.37 due to the amount of the lowest bid received for the construction of this project. Funding for this increase came from MC-08 "Sensitive Habitat Restoration and Enhancement of County Owned Property" FY 2008 resulting in a new total project amount of \$1,616,399.37.

MC-03 Heron Bay Cut-Off Access Improvements

- Project Number was MC-3 in the approved state plan; it has been changed to MC-03.
- Project has been moved to Tier II; funding has been re-allocated to MC-08.

MC-04 Dauphin Island Campground Improvements

- Project Number was MC-4 in the approved state plan; it has been changed to MC-04.
- An additional \$73,000 in funds will be required to fully complete the target improvements and safety requirements. The additional funding for this project will come from monies originally designated for Mobile County CIAP Project MC-07, the Mobile County Greenprint project.
- Project end date is now 12/31/2011.

MC-05 Dauphin Island Bicycle Trail Repair

- Project Number was MC-5 in the approved state plan; it has been changed to MC-05.
- After conferring with the project engineer it was determined that the project could be completed in 10 months.
- The original intent of this project was to identify and repair damaged areas of the Bike Trail to protect the environmentally sensitive areas adjacent to the Trail. Areas that were identified as damaged were repaired by the Town of Dauphin Island after the date of original project plan approval; as a result, the focus has shifted to an asphalt overlay for the entire length of the Bike Trail to prevent additional damage and maintain the environmental integrity of the bike trail for a longer period than the repairs alone.
- Project end date is now 10/31/2011.

MC-06 Establishment of a Mobile County Recycling Facility

- Project Number was MC-6 in the approved state plan; it has been changed to MC-06.
- Project has been moved to Tier II; funds have been re-allocated to MC-08.

MC-07 Mobile County Greenprint Project

- Project Number was MC-7 in the approved state plan; it has been changed to MC-07.
- Project has been moved to Tier II; funds have been re-allocated to MC-04.

MC-08 Sensitive Habitat Restoration and Enhancement of County Owned Property

- Project Number was MC-8 in the approved state plan; it has been changed to MC-08.
- Additional funding has been allocated to this project from MC-03 (FY08 \$725,000.00) and MC-06 (FY07 \$425,000.00 and FY08 \$350,000.00 for a total of \$775,000.00).
- Funding in the amount of \$89,399.37 was re-allocated from this project to MC-02 resulting in a new total project amount of \$5,721,256.17.
- Equipment to be purchased has changed from one tractor and two all-terrain vehicles to two tractors and one all-terrain vehicle. This is due to the nature of the acreage to be restored at the Laurendine site and the make-up of the additional acreage the County has acquired with MC-12 West Mobile County Conservation Property Acquisition (+642 acres). The size of the greenhouse has increased to 20 X 60 due to the large number of trees we will be required to have on site for planting.

MC-09 Continuous and Real-time Recording Stations of Meteorological and Hydrographic Parameters in Coastal Alabama

- Project Number was MC-9 in the approved state plan; it has been changed to MC-09.

- The project will be a twenty seven (27) month project – not a one year project as originally submitted in the approved State of Alabama Final CIAP Plan for FY 2007 and FY 2008.
- Mobile County Commission decided to enter into a subgrantee agreement with DISL to implement this project due to the expertise and efficiencies they are able to contribute. As a consortium of public universities in the State of Alabama, the DISL is an eligible subgrantee.
- After meeting with DISL it was determined that funding will allow for a new monitor location in the Portersville Bay area and to upgrade the monitoring equipment at the existing Cedar Point location. Therefore, it is the goal of this project to provide for these two monitoring locations.
- Spending Estimate per calendar year changed when the project changed to a two year project; \$177,033.00 will be spent in the first year (2010) and \$72,967 (2011) will be spent in the second year.

MC-10 North Mobile County Wastewater Facilities

- The costs associated with providing a wastewater treatment facility will be funded with this project.
- The costs associated with connecting individuals to the collection system will be funded with this project.
- The previously approved State Plan provides for the removal of 200 homes from the use of on-site sewage disposal systems, the 07/08 CIAP funding is only allowing for approximately 55. This is due to the funding of a treatment plant with pump stations and appurtenances and funding the connection of the individual disposal systems to the new collection system.
- An expansion of the treatment plant and the removal of 75 additional individual onsite treatment and disposal systems will be funded in the 09/10 CIAP Plan Amendment.

MC-11 Coastal Research Weather Stations

No changes at this time.

MC-12 West Mobile County Conservation Property Acquisition

- The Approved State Plan indicates the County intends to implement the project in two phases, however, the County now intends to perform the same authorized activities over three phases. The three phases are as follows: Phase I consists of identifying properties to purchase; Phase II consists of the purchase of the identified properties including appraisals and environmental assessments; Phase III will develop and implement conservation management plans for the properties purchased.
- The Approved State Plan indicates the County intends to acquire 475 acres of environmentally sensitive habitat. With the three parcels currently identified, the acreage increases to 642 acres with the possibility of additional acreage to be acquired with the remaining funds designated for this project. Current market conditions have allowed the County to exceed the measurable objectives set for this project by increasing the number of acres to be acquired.
- The end date for this project is 06/30/2011.

MC-13 Acquisition of Sensitive Waterfront Property, Dauphin Island

- The approved State of Alabama CIAP Plan provides the costs associated with the acquisition will be divided equally between the State of Alabama and Mobile County. Instead, the State of

Alabama will provide the funding for Parcel A and Mobile County will provide the funding for Parcel B.

- The end date for this project is 09/30/2011.

