Mobile Bay National Estuary Program

CCMP Work Plan Year 15
Fiscal Year 2011

Prepared June 2010

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Cover Photo: Lisa Comer 2010

PREFACE

In 1972, the Clean Water Act was created to restore and maintain the chemical and biological integrity of the Nation's Waters so that they can support the protection and propagation of fish, shellfish, wildlife and recreation in and on the water. In 1987, the National Estuary Program (NEP) was created by the U.S. Congress via amendments to this act to identify, restore, and protect nationally significant estuaries. Authorized under Title 3, Section 320, Public Law 94-117, 33 U.S.C 466, the goal of this program is to protect and restore the water quality and estuarine resources of estuaries and associated watersheds designated by the EPA Administrator as estuaries of national significance.

NEPs work to implement estuarine ecosystem-based management by characterizing the priority problems in their estuaries and surrounding watershed, developing a Comprehensive Conservation and Management Plan (CCMP) that lists and describes actions to address those problems, and identifies partners, including lead entities, to implement the actions. Locally, the Mobile Bay National Estuary Program, in existence for the past 15 years, has lead the implementation of a CCMP that was adopted in 2002 to address the water quality, living resources, habitat management, human uses and education and public outreach challenges of the Mobile Bay estuarine system. As of March 31, 2010, of the 101 actions identified in the plan, 11 have been completed, 87 have been implemented on some level, and three have yet to be initiated, indicating the need to re-visit this comprehensive plan and re-craft it for the next 10 years.

On April 20, 2010, during the final phases of drilling the exploratory well at Macondo, a geyser of seawater blew out from the marine riser onto the rig, shooting 240 ft into the air. Followed by the eruption of a slushy combination of mud, methane gas, and water, the gas component of the slushy material quickly transitioned into a fully gaseous state that ignited into a series of explosions and firestorm. After burning for approximately 36 hours (the blowout preventer failed), *Deepwater Horizon* sank on April 22, 2010, in the Gulf of Mexico, falling approximately 5,000 ft, and came to rest on the seafloor, approximately a quarter of a mile northwest of the well, and oil began flooding out of the exposed well head and into the Gulf of Mexico. The oil continues to flow as of June, 2010 and measures to fully curtail the flow are unlikely to succeed until at least August 2010, the estimated completion date for the relief wells. A massive oil slick now covers a large area of the gulf and changes direction dependent on shifts in prevailing winds and natural storm events.

The ongoing destruction of this unchecked oil entering the Gulf threatens the very ecosystem, economic, and cultural resources that the CCMP was developed to protect and sustain. Some estimates of the spill make this the largest oil spill ever in the Gulf of Mexico and US history.

INTRODUCTION

PURPOSE, GOALS, OBJECTIVES

The Mobile Bay National Estuary Program's (MBNEP) mission is to lead the wise stewardship of water quality and living resources of the Mobile Bay estuary and Tensaw Delta. MBNEP's purpose is to catalyze actions of estuary stakeholders; building community based organizational capacity for sound resource management and leveraging commitment and investment in ensuring the estuary's sustainability.

MBNEP's objectives are to 1) engage estuary stakeholders in the development and implementation of a comprehensive conservation management plan (CCMP); 2) expand resources and involvement in the implementation of this CCMP, and 3) educate residents, visitors, lawmakers, local, state, and federal government agencies; businesses and industries; conservation and environmental organizations; and academic institutions about how to best protect this nationally significant ecological, environmental, economic, and cultural resource to ensure its protection and conservation for our lifetime and beyond. MBNEP works within a set of guiding principles to maximize its effectiveness in promoting estuary health.

Those that live it know it- Citizens, fishermen, boaters, scientists, hunters and others have a unique insight into the environmental challenges we face, what works, and what doesn't. **Stakeholder input is vital to developing long-term solutions to local challenges.**

Economic opportunities must be available- Our coast is an economic engine, creating significant wealth for our state each year through such activities as trade through the Port of Mobile, commercial fishing, tourism, hunting and coastal homebuilding. **In order to have a healthy economy, we need to have a healthy environment that provides essential natural functions.**

Environmental Stewardship is interconnected- Residents, towns, cities, counties, business and industry, academia, community developers, social services- All have a vested interest in preserving the quality of life derived from Mobile Bay and Tensaw Delta estuaries. **Coalitions that bring together a diversity of stakeholder interests are critical to comprehensively addressing the challenges of balancing economic development with environmental protection.**

It happens in the river, in the sea, and on the street- Involvement of citizens in carrying out environmental activities aimed at improving the Bay and its watersheds is paramount to ensuring the long-term health and vitality of the Mobile estuary. **Citizens must be actively engaged in balancing the many uses of the Bay so that we can preserve its unique natural resources for all of our needs.**

Both in the analysis of data and the development of this Work Plan, MBNEP has remained acutely aware of the budget constraints under which the State, Counties, and municipalities must operate. To this extent, the priorities and activities have been formed to give maximum weight to feasible projects.

PART ONE: MBNEP WORK PLAN FOR 2010-2011

MAJOR GOALS AND FOCUS

Over the course of the next fiscal year, MBNEP will improve its core work and management processes by developing a competency among differing but similar efforts and integrating conservation management objectives into other local, regional, state and federal management actions. The Deepwater Horizon incident has triggered the development of a natural resource damage assessment currently being undertaken by Federal and State agencies. MBNEP will focus its activities on 1) re-engaging community stakeholders in planning for the natural and human systems of our coastal environment based on guidance provided by a biological integrity framework, 2) strengthening partnerships with local entities by supporting ongoing activities addressing stormwater management, wetlands restoration, and sediment management, and by elevating locally developed plans to the state and federal level for consideration as part of long term restoration planning for this area, and 3) formalizing outreach, education, and citizen involvement in protecting our estuarine resources and mitigating the impacts of the many stressors threatening our ecosystem's health.

ECOSYSTEM STATUS AND TRENDS

What does biological integrity look like to scientists and the community? Where is the Mobile Bay estuarine system in relation to that goal? What monitoring and research gaps need to be filled to track progress? How do we measure and communicate changes? During the next fiscal year, MBNEP will bring together U.S. EPA and Gulf scientists to begin a process for answering these questions. Through a series of workshops facilitated by U.S. EPA and MBNEP's Science Advisory Committee, a consensus-based, scientifically-driven framework will be implemented to assess historical and current states of the Mobile Bay estuarine system; define ideal "biological integrity" for the Mobile Bay estuarine system; identify any gaps in monitoring and research needed to measure changes in biological integrity over time; and develop an effective mechanism for communicating data related to this framework.

Outcomes from these activities include an improved understanding of Mobile Bay estuarine biological integrity and critical factors or stressors to the system, improved decision support related to water quality, living resource, and habitat restoration actions and increased integration of science in long-term planning.

ECOSYSTEM RESTORATION AND PROTECTION

Ecosystem restoration refers to returning a damaged ecological system to a stable, healthy, and sustainable state. Although it is impossible to return an ecosystem to the exact same state it was in before being disturbed, restoration to improve its function and the services it provides will contribute to community health and well-being, protection against climate change and sea level rise, economic sustainability, and community quality of life and recreation. During the next fiscal year, MBNEP will solicit partnerships through an open request for proposals to undertake ecosystem restoration projects, giving priority to those that **reduce the impacts of stormwater, improve wetland coverage and function,** or **support reduced sediment loading and transport throughout the estuarine system.** Through this program, at least four ecosystem restoration projects will be undertaken as part of a cost share initiative.

Outcomes from these activities include improved ecosystem function and protection and improved community management of ecosystem restoration and protection activities.

TECHNICAL ASSISTANCE AND CAPACITY BUILDING

Grassroots watershed-based organizations have community presence. They have the local knowledge of environmental resources and their stressors, volunteer leadership-building capacity, and can enable members to plan, implement and monitor on-the-ground projects to improve environmental conditions and connections to the community. Grassroots organizations are in a position to promote greater community awareness about the importance of the estuarine environment to a community's health, safety, and overall quality of life. Throughout Mobile and Baldwin counties, grassroots organizations are the cornerstone of environmental protection at the community level. During the next fiscal year, MBNEP will support and help build capacity of these critical groups by providing one-on-one technical assistance, developing outreach and decision support materials for distribution, providing specialized training, and initiating an Estuary Corps program to engage citizens in long-term volunteer participation. The outputs generated under this section will be largely dependent on the results of a community assessment that is currently underway. MBNEP anticipates that recovery planning and projects will be priorities to grassroots organizations and is currently developing watershed profiles for coastal hydrologic units (HUC 12) to provide baseline environmental and socio-economic data for planning purposes. (Note: An ongoing project with NASA to determine permanency of habitat change is contributing to the profiling effort). It is anticipated that one watershed management plan will be completed (Eight Mile Creek), one will be initiated based on information in the watershed profiles, and an Estuary Corps will be established to formalize citizen involvement activities.

Outcomes from these activities will include increased knowledge about science, monitoring, habitat management, and restoration of the Mobile Bay estuarine environment and increased community ownership and involvement in local environmental protection activities.

PROGRAM IMPLEMENTATION AND COMMUNITY REPORTING

A hallmark of the National Estuary Program is the convening of a "Management Conference" to guide the **assessment of trends** in water quality, natural resources, and uses of estuary**; identification of causes** of environmental problems; **development of relationships** between pollutant loadings to the estuary and potential uses and quality of the estuary; **development of the CCMP** and other action plans for restoring and maintaining the chemical, physical, and biological integrity of the estuary; and **coordination of the collective implementation** of the CCMP. Of the 101 actions identified in the MBNEP CCMP, 11 have been completed, 87 have been implemented on some level, and three have yet to be initiated, indicating the need to re-visit this comprehensive plan and re-craft it for the next 10 years. The MBNEP management conference has indicated numerous times that the value of the program lies in its ability to coordinate programs and efforts. During the next fiscal year, MBNEP will continue to promote greater coordination and participation of management conference members by initiating a re-write of the CCMP, and improving program transparency, communications, and community awareness. This will be done by initiating a community process for re-writing the CCMP for the next 10 year period, developing a communications plan for community outreach, coordination of two cultivation events to expand MBNEP partnerships, the development of a public awareness campaign to highlight emerging environmental issues, expansion of the public education piece, ***Waters to the Sea***, to include an Oil Spill Module, and establishment of an improved financial management system for better community reporting.

Outcomes related to these activities include an increased understanding of activities taken by MBNEP and its partners to protect and conserve the water quality, living resources, habitats and human uses of the Mobile Bay estuary, increased recognition of the activities of the MBNEP, increased knowledge about the issues impacting the health of the Mobile Bay estuary and improved financial planning and tracking.

2010- 2011 WORK PLAN

BUDGET SUMMARY

Revenues		**FY 2011 Budget**	***Non Federal Share***
EPA		800,000	
State		130,000	*130,000.00*
State Appropriation	*70,000.00*		
ADCNR	*60,000.00*		
Local		60,000	*60,000.00*
Baldwin County	*10,000.00*		
Mobile County	*10,000.00*		
City of Mobile	*32,000.00*		
Other Cities	*8,000.00*		
Total Revenues		990,000	
Expenses			
EST: Ensuring Biological Integrity		75,000	*100,000.00*
ERP: Community Restoration Partnership		225,000	*225,000.00*
TAC: Estuary Corps		10,000	
PIR: CCMP #2 Development		100,000	*30,002.00*
PIR: Community Outreach		55,000	*16,250.00*
PIR: Program Planning & Administration		396,619	.
PIR: DISL Administrative Fee		128,381	*183,527.00*
In Kind services			*55,221.00*
		990,000	800,000

EPA COST CATEGORIES

Component	Contract	Salaries	Fringe	Travel	Supplies & Equipment	Other	Indirect	Grand Totals
Ecosystem Restoration	225,000							225,000
Ecosystem Status and Trends	75,000							75,000
Technical Assistance and Capacity Building	10,000							10,000
Program Implementation and Reporting	100,000	226,000	92,660	16,000	46,905	70,054	128,381	680,000
	410,000	**226,000**	**92,660**	**16,000**	**46,905**	**39,302**	**128,381**	**990,000**

PROJECT DETAIL: ECOSYSTEM STATUS AND TRENDS

EST01: Ensuring Biological Integrity: NEW

Project Number	EST1101
Title	Ensuring Biological Integrity
CCMP Objective	All
Purpose	Initiate development of a program for measuring the health of the Mobile Bay estuary complex
Performing Organization(s)	US EPA Region 1/MBNEP
Outputs/Deliverables	Webinar; Biological Integrity Profile; one workshop for visioning; list of indicators for revised monitoring program; support for research , monitoring , data management activities necessary to support effort
Outcomes	Increase knowledge about science, monitoring, habitat management, and restoration of the Mobile Bay estuarine environment; Increase community ownership and involvement in local environmental protection activities
Clean Water Act Relevance	Improve water quality monitoring, support TMDL implementation, improve monitoring of wetland function and coverage
FY 11 EPA Funding	$75,000

MBNEP will lead efforts to determine an ideal ecosystem condition using biological information for the Mobile Bay estuarine system. The challenge in doing this will require establishing a scientific framework for evaluating ecosystem condition and bringing the community together to establish a vision that describes "what ecosystem health means and is" for coastal Alabama by defining a realistic "ideal state" based on science and historical record. MBNEP will work with the Science Advisory Committee and other area scientists and resource managers to recommend this "ideal state", to its acceptance as a realistic community vision, and to develop a framework for evaluating progress toward achieving it.

Over the course of the past year, the SAC has been considering how the Biological Condition Gradient framework might work for the Mobile Bay estuarine system. To move this consideration forward, Margherita Pryor of EPA-Region One has agreed to work with the MBNEP to facilitate the Science Advisory Committee as follows:

WebEx- Develop an understanding of the value of the BCG for estuarine management, especially for providing a tool for outlining a long-term vision for the Bay system, a consistent framework for science and management, and a common language for comparing ecological condition under different scenarios—this will be done through a WebEx on BCG framework. The objectives of this WebEx will be to gain an in-depth understanding of what the BCG is and isn't, and how it has been applied in an

estuarine environment to frame community visioning and goal setting related to achieving a defined and realistic “ideal state”; evaluate the feasibility of implementing BCG using indicators identified by MBNEP (WQ, LR, HM); and develop a plan for stakeholder visioning.

Visioning Workshop- Assist with the facilitation of a Stakeholder Workshop for the purpose of defining a long-term vision for the Mobile Bay Estuarine ecosystem that describes a minimally disturbed condition to serve as a realistic “ideal” state, drawing on the preliminary estuarine BCG framework, lessons learned from the Tampa Bay historic balance approach, and the local historic record. EPA will work with MBNEP to develop a classification of the estuary to be used in setting up the BCG framework and maps characterizing physical variables within the bay (e.g., salinity, temperature, etc.), including historical information where available. These data will be used in the workshop for developing a narrative vision statement to assist in goal setting, indicator agreement, public communication, and other aspects of BCG implementation.

Indicators- Work with MBNEP and SAC to confirm a list of indicators that will be used to describe estuarine health as outlined in the vision; determine gaps in data gathering/monitoring related to the indicators identified and potential proxies where data is not available; identify potential areas uniquely representative of the overall system.

Time Period: 10/1/2010-9/30/2011

PROJECT DETAIL: ECOSYSTEM RESTORATION

ERP: Community Ecosystem Restoration Partnership: NEW

Project Number	ERP
Title	Community Ecosystem Restoration Partnership
CCMP Objective	WQ, LR, HM, HU
Purpose	Build partnerships with local government and community groups to engage in activities that benefit the entity while implementing actions to reduce the impacts of stormwater, improve wetland coverage and function, or support reduced sediment loading and transport throughout the Mobile bay estuarine system
Performing Organization(s)	MBNEP - Competitive Request for Proposals for Partners
Outputs/Deliverables	At least 4 ecosystem restoration projects (can be on the ground or other activity that supports restoration of ecosystem)
Outcomes	Improved ecosystem function and protection; Improved community management of ecosystem restoration and protection activities.
Clean Water Act Relevance	Improve water quality monitoring, support TMDL implementation, improve monitoring of wetland function and coverage
FY 11 EPA Funding	$255,752

Infrastructure for housing, transportation, education, social services and industry, results in built-up land. Built-up land results in an increase in **impervious surfaces**, which replace the porous soil of natural landscapes, cause a chain of events that negatively impacts water resources. These impervious surfaces seal the soil surface, eliminating rainwater infiltration and natural groundwater recharge of aquifers. Stormwater accumulates on and runs directly across impervious surfaces, increasing flow volumes and velocities and resulting in incidents of localized flooding; accelerated stream bank erosion; and increasing sediment, nutrient, and pollutant loads. Many of the residues of urban and suburban living flush into streams without treatment, degrading the stream's water quality. Impervious surfaces also deprive tree roots of aeration, eliminating the "urban forest" and the canopy shade that would otherwise moderate our coastal climate. Because impervious surfaces displace living vegetation, they reduce ecological productivity and interrupt the natural removal of carbon dioxide from the atmosphere.

According to Public Works Departments in Mobile and Baldwin Counties, both have experienced an approximate five percent increase in the number of miles of new paved road over the last five years. Not surprisingly, in a Loading Budget Analysis for Mobile Bay Modeling (2002) prepared by Tetra Tech to assess pollutant loadings contributing to Mobile Bay by way of the Mobile River basin, there were significant increases in non-point source pollutants for the period from 1970 to 1995.

Communities throughout Mobile and Baldwin Counties continue to struggle with the impacts of increasing amounts of impervious surface. Two major challenges are the management of stormwater and sediments. During the next program year, MBNEP will provide funding to local municipalities, counties, and grassroots groups to undertake ecosystem restoration projects with priority given to stormwater and sediment management projects. A third priority will include wetland function or coverage improvements. This third priority is in response to two current stressors to our ecosystem: the Deepwater Horizon Incident and climate change. Funding recipients will be encouraged to engage community residents in the restoration project to foster environmental stewardship and enhance community sustainability with the aim of restoring vital ecosystem components and increasing broader-scale functionality and health.

Timeline: 10/1/10-9/30/2011

PROJECT DETAIL: TECHNICAL ASSISTANCE AND CAPACITY BUILDING

TAC01: Coastal Non Point Source Pollution Program

Project Number	TAC01
Title	Coastal Non Point Source Pollution Program
CCMP Objective	WQ
Purpose	Assess, plan and implement projects to address non point source pollution through the Clean Marina Program and community based watershed management plans to guide grassroots actions aimed at addressing waterways listed on the state's 303(d) Impaired Waterbodies List
Performing Organization(s)	
Outputs/Deliverables	One plan complete; one plan initiated; coastal HUC12 watershed profiles; 1 new Clean Marina designation
Outcomes	Improved ecosystem function and protection; Improved community management of ecosystem restoration and protection activities; expanded community engagement and ownership
Clean Water Act Relevance	Support water quality standards; Improve water quality monitoring, Support TMDL implementation
FY 11 EPA Funding	Funded from other sources

Much progress has been made to protect water quality in Alabama and water quality continues to improve. However, addressing non point source pollution is a special concern because it is often difficult to ascertain sources and causes and education and outreach are deficient. To address non-point pollution issues along coastal Alabama, two programs have been established to improve outreach, education and voluntary implementation of environmentally protective and cost effective management practices.

The Mississippi Alabama Clean Marina Program, administered by the Mississippi Alabama Sea Grant Consortium (MASGC) and Auburn University (AUMERC), is a voluntary, incentive-based program that encourages marina operators and recreational boaters to protect coastal water quality by engaging in environmentally sound operating and maintenance procedures.

The Coastal Alabama Clean Water Partnership, administered by the Mobile/Baldwin Soil and Water Conservation Districts (SWCD) and managed by the Mobile Bay National Estuary Program (MBNEP), is made up of local interests, including agriculture, forestry, business, industry, environmental groups and local governments that coordinates, plans and implements environmental protection and restoration efforts through non-regulatory means. The partnership's main focus is on reducing non-point sources of

pollution through voluntary measures to improve water quality in local streams, especially those streams listed as impaired (the 303(d) list) by the Alabama Department of Environmental Management.

To better coordinate activities related to reducing non-point source pollution throughout coastal Alabama, MASGC, AUMERC, SWCD, and MBNEP have co-funded the position of a Coastal Non-Point Source Outreach Specialist to act as a lead point of contact for all issues related to non point source pollution. Mr. Christian Miller divides his time between recruiting marinas into the Clean Marina Program and developing watershed management plans and projects to reduce the quantities of non-point source pollution entering coastal waterways.

At present, a Watershed Management Plan is in development for the Eight Mile Creek Watershed and watershed profiles are being developed for the coastal sub-watersheds for use in future watershed planning prioritization. In addition, four marinas area actively being recruited to become certified as Clean Marinas (Zeke's, Bear Point, LuLu's, and Florabama). During the next fiscal year, MBNEP anticipates the completion of the Eight Mile Creek Watershed Plan, the initiation of another plan yet to be determined and the certification of one Clean Marina.

Timeline: 10/1/2010- 9/30/2011

TAC02: Community Education and Training

Project Number	TAC02
Title	Community Education and Training
CCMP Objective	All
Purpose	Provide informal training to grassroots groups on issues related to ecosystem status and trends, restoration, stressors, organizational development and other topics as determined by community
Performing Organization(s)	MBNEP/DISL/Consultants
Outputs/Deliverables	Two workshops for 13 grassroots organizations
Outcomes	Increase knowledge about science, monitoring, habitat management, and restoration of the Mobile Bay estuarine environment; Increase community ownership and involvement in local environmental protection activities
Clean Water Act Relevance	Improve water quality monitoring, Improve monitoring of wetland function and coverage
FY 11 EPA Funding	Included in administration budget

MBNEP's purpose is to encourage a community-based approach to watershed management by securing community involvement and ownership in the estuary's health. MBNEP must educate the communities surrounding the estuary about how to best treat Mobile Bay and its surrounding watersheds to ensure their

protection. Recently MBNEP hired a Community Outreach Coordinator to develop, coordinate and deliver different outreach initiatives including but not limited to: one-on-one technical support to the grassroots organizations located throughout Mobile and Baldwin County; public input meetings on topics related to community environmental concerns; education materials; documentation of activities; communication of MBNEP activities and other pressing environmental issues with the objective of expanding the number and geographic area of the MBNEP's volunteer base; and expanding volunteer engagement activities to promote the wise stewardship of the natural resources of the Mobile Bay estuarine system. This job involves coordinating workshops, programs, and volunteers and focuses on contact with community members through the first-hand delivery of programming. The position includes the planning and development of this programming, then implementation and evaluation. This position also serves as a liaison between other organizations within the community that share similar goals. During the next fiscal year, the Community Outreach Coordinator will engage 13 place-based grassroots organizations in assessing their community's needs and will develop programs aimed at increasing these groups knowledge about their watersheds, their ecosystem functions and the stressors that can negatively impact the system's function and value.

Timeline: 10/1/2010-9/30/2011

TAC03: Estuary Corps

Project Number	TAC03
Title	Estuary Corps
CCMP Objective	EPI
Purpose	Establish a volunteer program that engages citizens in promoting the wise stewardship of the water quality and living resources of the Mobile Bay estuary
Performing Organization(s)	MBNEP/ACF
Outputs/Deliverables	25 Estuary Corps Members
Outcomes	Increase knowledge about science, monitoring, habitat management, and restoration of the Mobile Bay estuarine environment; Increase community ownership and involvement in local environmental protection activities
Clean Water Act Relevance	Improve water quality monitoring, Improve monitoring of wetland function and coverage
FY 11 EPA Funding	$10,000

Engaging volunteers in activities that improve estuary conditions is vital to the long-term sustainability of our coastal environment. Building community knowledge and ownership through citizen involvement activities lays a foundation for ongoing care of the water quality and living resources associated with this estuarine system. In the days following the Deepwater Horizon incident, over 7,000 volunteers offered their assistance in helping to clean up beaches and wildlife affected by the oil. Unfortunately, due to the hazardous nature of the oil and its residue, volunteers have been largely unengaged. This fact has

prompted area non-profit organizations to identify and develop ways for volunteers to stay involved- most recently through the Volunteer Field Observer Program led by the Alabama Coastal Foundation in partnership with Mobile Baykeeper. During the next fiscal year, MBNEP will partner with Alabama Coastal Foundation to establish an Estuary Corps. This Corps would recruit volunteers willing to be on "retainer" to carry out a range of activities for one year increments including but not limited to water quality, living resource, and other ecological monitoring, habitat restorations, and invasive species control. As an Estuary Corps member, education, community outreach and training opportunities will be developed to enrich the experience. Volunteers would typically be recent graduates of high school or college, but could also include people wanting time off from established careers and those looking for meaningful activities during retirement.

Time Period: 10/1/2010-

PROJECT DETAIL: PROGRAM IMPLEMENTATION

PIR01: Comprehensive Conservation Planning for Mobile Bay Estuary: NEW

Project Number	PIR01
Title	Comprehensive Conservation Planning for Mobile Bay Estuary
CCMP Objective	WQ, LR, HM, HU, EPI
Purpose	Create new strategic framework for regional growth and resiliency that balances the needs of the human system with protection and sustainability of the natural system
Performing Organization(s)	MBNEP Management Conference/Consultant
Outputs/Deliverables	A Comprehensive Conservation Management Plan for the next 10 Years
Outcomes	Improved ecosystem function and protection; Improved community management of ecosystem restoration and protection activities; expanded community engagement and ownership
Clean Water Act Relevance	Support water quality standards; Improve water quality monitoring, Support TMDL implementation, Improve monitoring of wetland function and coverage
FY 11 EPA Funding	$100,000

The Mobile Bay region is part of an urban and economic network that is connected around the globe. It is also located in a sensitive place in the world's environment, an estuary complex subject to natural and technological disasters. Creating a framework for the future of the Mobile Bay estuary, in light of the continuing oil spill, will require an analysis of systems behavior at the global and continental scales and the ability to telescope inside the region to regional sub-component scale areas. The systems that will be examined through this project are vulnerable to many stressors. "Stressors" are perturbations to a system that are either (a) foreign to that system or (b) natural to the system but applied at an excessive [or deficient] level (Barrett et al. 1976:192). For the Mobile Bay estuary, these stressors include but are not limited to oil and hydro-carbons, stormwater run-off and other non-point source pollution. Other considerations include climate change and sea level rise. Stressors cause significant changes in ecosystem components, patterns and processes. Resilience is the ability of systems to withstand perturbations and bounce back to normalcy. A more resilient community will bounce back quicker and suffer less economic damage, environmental damages, and social disruptions than a community that is less resilient.

The MBNEP Management Conference will re-engage the community in re-writing the Comprehensive Conservation Management Plan for the Mobile Bay estuary. The objectives of this initiative include:

- Describing the patterns and dynamics of the Natural System - its current status, evolution over last 20 and 50 years, and its future trends. This will involve describing the estuary region and its form and structure including the: 1) Air, 2) Water, 3) Land and 4) Living Resources (Flora & Fauna).

- Describing the patterns and dynamics of the Human Network. The human network will be studied to understand its current status, evolution over the last 20 and 50 years, and its future trends. This will involve describing the estuary region and its form and structure, including the: 1) Transportation / Infrastructure, 2) Economic Activity, 3) Institutions, 4) Quality of Life, and 5) Urbanization / Governance systems.

- Describing the interactions between the systems and the critical issues that will define the future of the Mobile Bay estuary and the patterns and dynamics of urbanization.

- Determine the critical threats and opportunities for restoring and protecting the estuarine environment. Develop and analyze alternative policy, regulatory and investment patterns for guiding growth patterns that could minimize the impacts of growth on the Estuary and that could improve the region's environment and competitiveness within the global and national economy.

- Developing strategies for creating a sustainable and resilient region that balances estuarine health with patterns of urbanization and economic growth. Following the development of common strategies for the region, an implementable Comprehensive Conservation Plan will be developed to address the issues of restoring and protecting the Mobile Bay estuary.

Timeline: 10/1/2010-9/30/2011

PIR02: Community Outreach Program: NEW

Project Number	PIR02
Title	Community Outreach Program
CCMP Objective	EPI
Purpose	Develop an ethic of stewardship and responsibility among citizens to modify behaviors so that the estuary and its uses are preserved
Performing Organization(s)	MBNEP
Outputs/Deliverables	Communications Plan; 2 Newsletters; 1 module for interactive learning program; 2 events to cultivate partners; sponsorship of 5 community events; outreach campaign for Stormwater
Outcomes	Increase public awareness of environmental issues; Increased knowledge of environmental issues and stressors; Increased knowledge of activities being undertaken to protect estuarine resources
Clean Water Act Relevance	
FY 11 EPA Funding	55,000.00

Public education is a method of transfering **ideas** and **relationships** rather than isolated facts and figures. Although public education may use factual information to illustrate points and clarify meanings, the points and meanings themselves are the essence of the communication, not the facts. Facts should be presented only when they help the audience understand and appreciate the content of the message. Carefully selected facts can be supportive, illustrative and illuminating, but they are never ends in themselves. Raising environmental awareness involves translating the technical language of a natural science or related field into terms and ideas that a non-scientist can readily understand. It also involves doing it in a way that is entertaining and interesting to the public. Over the course of the past two years, MBNEP has worked with the Gulf of Mexico Program, the Alabama Clean Water Partnership and the Baldwin County Watershed Coalition to develop outreach materials to be used in raising awareness about a variety of environmental issues including nutrients in the watershed and stormwater pollution. During the next fiscal year, MBNEP will continue to develop these materials and include their usage in a multi-pronged community outreach program including a communications plan that establishes goals; identifies target audiences; determines what information should be provided to the community; selects techniques for educating members of the community; implements actions; and evaluates results.

Timeline: 10/1/2010-9/30/2011

Program Administration

PIR03: Program Administration and Indirect Costs

Project Number	PIR03	
Title	Program Administration	Indirect Costs (15%)
CCMP Objective	MPA	
Purpose	Develop standardized mechanisms for planning, financing, and tracking activities	Leverage resources to streamline program implementation
Performing Organization(s)	MBNEP	DISL
Outputs/Deliverables	Improved financial tracking system; new time allocation system	28% unrecovered administrative costs contributed to program as non-federal share from DISL
Outcomes	Improved program management and administration	
Clean Water Act Relevance		
FY 11 EPA Funding	396,619	128,381

The MBNEP Program Office works closely with all of the MBNEP Management Conference members on initiatives relating to the CCMP. The MPA budget provides resources for the Program Office to continue program planning, development, implementation, evaluation, and reporting. Staff provide organizational and logistical support for all of the Management Conference committee meetings and coordinate/communicate as necessary with appropriate groups, including user groups, state, local, and Federal agencies, and professional groups relevant to CCMP development and implementation. Staff will provide overall coordination for implementation of the CCMP; prepare EPA required documents; administer grants/contracts; monitor projects including coordination of work plans, progress reports, and draft/final reports with Project Leads; coordinate project work plans and activities with other local, state and Federal agencies; and provide for overall program coordination. This amount includes all the necessary items for program administration including salaries, benefits, rent, supplies, equipment, phone, internet services etc.

In addition, this amount includes $16,000 ($13,000 as required by EPA) for travel related to outreach and technology and information transfer. Program staff will participate in regional, state, and national conferences and meetings relevant to estuarine management. Attendance at Association of National Estuary Programs workshops and EPA workshops / meetings will be stressed.

Indirect Costs are charged at a rate of 15% on all cash expenditures (grant and matching funds) of the MBNEP by Dauphin Island Sea Lab. DISL allowable Indirect Cost negotiated rate with Federal Government is 43%. The un-recovered indirect of 28% is provided to the MBNEP by DISL/MESC as an in-kind matching contribution. Additional in-kind and support services not covered by indirect costs are also provided to the MBNEP by DISL on a case by case basis.

STAFFING PLAN

Position	Employee	Responsibilities	Main Activities
Program Director	Roberta Arena Swann	General Oversight, Acceptance, and Implementation of Program	Generates financial and political support for program; participates in regional and national initiatives associated with program; engages in project identification and design; builds collaborative teams for accomplishing objectives; liaison between program and local governments and other public agency leaders; spokesperson for estuary related activities and needs throughout the community; Oversees all office activities.
Watershed Protection Coordinator	Thomas Herder	Communicates scientific data to public and conducts education activities	Oversight of all Restoration-related Projects including Project Design, Implementation, Coordination and Monitoring; Develop, initiate and coordinate baseline data collection; Facilitate the transfer of technical information; Prepare public outreach efforts for the general public on watershed issues; other
Communications Manager	Sara Shields	Coordinates Public Outreach and Education Programs	Manages public information development and distribution including press, website, social media, outreach materials; develops outreach and education plans for program and specific watershed plans; prepares program activity reports for grantors/public; other
Program Administrator	Brenda Lowther	Overall business and office management	Maintains budget, project files, financial record keeping, grant reporting; coordinates logistics and promotional materials for educational outreach and special events
Coastal Basin Clean Water Partnership Facilitator	Christian Miller	Non-Point Source Pollution Specialist	Works with communities to develop watershed management plans and implement initiatives of the Alabama Clean Marina Program and the Alabama Clean Water Partnership
Community Outreach Coordinator	Bethany Walton	Staff support to grassroots organizations throughout the service area	Assess needs of grassroots groups; design and deliver outreach and education programs to groups; assist with development of grassroots activities; act as liaison between groups and management conference members

Mobile Bay National Estuary Program
Staff Mileage

DATE	DESTINATION	PURPOSE	COST
R. Swann			
10/1/2008	Bayou la Batre	Scenic Byways Meeting	$ 29.25
10/9/2008	City of Prichard	Watershed Planning	$ 9.36
10/15/2008	Atlanta, GA	5 Star Meeting and Presentation	$157.35
10/16/2008	City of Prichard	Watershed Planning	$ 9.36
10/20/08	City of Mobile	Meet with Public Services re: Neighorhoods	$ 5.27
10/24/08	Lake Forest Daphne	D'Olive Creek meeting	$ 20.48
10/28/08	Biloxi MS	Bays and Bayous Symposium	$ 76.05
10/28/08	Biloxi MS	Bays and Bayous Symposium	$ 76.05
11/5/08	5 Rivers Delta Center	CWP Planning	$1,368.90
11/16/2008	New York, NY	ANEP Meeting	$1,353.10
11/20/08	Degussa	Leadership Mobile	$ 280.80
11/21/08	5 Rivers Delta Center	MBNEP Executive Committee	$ 168.48
11/24/08	City of Prichard	Ecological Characterization Meeting	$ 149.76
12/3/08	5 Rivers Delta Center	CWP Board Meeting	$ 168.48
12/10/08	Exploreum	Nutrient Video Meeting	$ 84.24
12/10/08	MAWSS- Cox St.	Regional Waste Water Meeting	$ 159.12
12/11/08	5 Rivers Delta Center	PIC Meeting	$ 168.48
12/12/08	5 Rivers Delta Center	SAC Meeting	$ 168.48
12/17/08	Alabama Power Hillcrest Rd.	Milkhouse Creek	$ 224.64
12/18/08	5 Rivers Delta Center	D'Olive Pre Proposal Meeting	$ 168.48
01/07/09	Baldwin County Annex	Stormwater Working Group meeting	$ 767.52
01/14/09	Mobile Bay Keeper	Three Mile Creek Grant Planning	$ 84.24
01/16/09	ADCNR	Wetland Mitigation Meeting	$ 168.48
01/22/09	Daphne City Hall	Stormwater Working Group Steering Com.	$ 327.60
01/22/09	ThyssenKrup Montlimar	Permit Comment meeting	$ 74.88
01/23/09	International Trade Club	MASGC Advisory Council Meeting	$ 84.24
01/26/09	Bayou La Batre City Hall	Sustainabiity Planning- Planning Commission	$ 461.45
01/30/09	Dauphin Island Sea Lab	Executive Committee Retreat	$ 468.00
2/2/2009	Macaroni Grill	Three Mile Creek Meeting	$ 159.12
2/10/2009	Bayou La Batre City Hall	Sustainability Planning	$ 461.45
2/17/2009	City of Prichard	Sustainability Planning	$ 149.76
2/18/2009	City of Mobile	CitiSmart Presentation	$ 84.24
R. Swann			

2/20/2009	Daphne City Hall	BCWC Steering Committee (Stormwater)	$ 327.60
2/22/2009	Washington, D.C.	ANEP Meeting	$1,240.42
02/27/09	Daphne City Hall	BCWC Education Committee	$ 327.60
03/09/09	DISL	Administration	$ 561.60
03/11/09	5 Rivers Delta Center	Clean Water Partnership	$ 168.48
03/16/09	Bayou La Batre City Hall	Sustainability Planning	$ 461.45
03/20/09	Daphne City Hall	BCWC Steering Committee (Stormwater)	$ 327.60
04/07/09	St. Rose of Lima	West Bay Meeting	$ 280.80
04/14/09	Blue Gill Restaurant	Administration- Interview	$ 168.48
04/16/09	5 Rivers Delta Center	PIC Meeting	$ 168.48
04/23/09	Dauphin Island Sea Lab	TNC-CHPPS meeting Planning	$ 327.60
04/24/09	Dauphin Island Sea Lab	TNC-CHPPS meeting	$ 327.60
04/29/09	5 Rivers Delta Center	Environmental Advisory Board	$ 168.48
05/01/09	Baldwin County Annex	BCWC Steering Committee (Stormwater)	$ 767.52
05/08/09	City of Daphne	D'Olive Creek Watershed Plan interviews	$ 327.60
05/20/09	Barry Steam Plant	Alabama Power Carbon Sequestration Pre.	$ 683.28
05/29/09	Perdido Point Drive	Nutrient Video Brainstorming session	$ 692.64
7/15/2009	Boston, MA	Coastal Zone 2009	$529.10
9/10/2009	Daphne City Hall	BCWC Education Committee	$19.25
9/14/2009	Mama Lu's	Friends of Baldwin County (BCWC pres)	$33.00
9/15/2009	Mobile Area Chamber of Commerce	Natural Resources Advisory	$5.50
9/25/2009	Robertsdale County Annex	BCWC Steering Committee	$45.10
9/21/2009	City of Prichard	WMP Technical Meeting	$8.80
09/23/09	Grand Bay NERR	NCDDC CWPRA Demo- Data meeting	$33.00
09/29/09	Mobile Register	Editorial Board Meeting	$5.50
10/5/09	Prichard City Hall	Environmental/Watershed Planning	$8.80
10/7/09	Bayou La Batre City Hall	Smart Code Planning	$27.50
10/8/09	US Army Corps of Enginners	Three Mile Creek Planning	$5.50
10/13/09	Baldwin County Annex-Robertsdale	BCWC Organizational Structure Meeting	$44.00
10/14/09	Daphne Overlook Center	BCWC Finance Structure Meeting	$14.30
10/22/09	City of Mobile Gov. Plaza	Leadership Mobile Team Meeting	$4.40
10/23/09	Daphne City Hall	BCWC Steering Committee	$19.25
10/26/09	CREC Biloxi, MS	Sea Level Rise Workshop	$66.00

R. Swann			
11/04/09	Portland, OR	ANEP Meeting	$1,377.20
11/09/09	Dauphin Island	NCDDC Intern/Data Meeting	$38.50
11/20/09	Baldwin County Annex-	BCWC Steering Committee	$44.00
12/09/09	New Orleans, LA	NOAA Meeting	$390.26
1/6/10	Prichard City Hall	Stakeholder meeting Watershed Planning	$8.00
1/7/10	International Trade Center	Coastal Habitats Coordinating Team	$5.00
1/14/10	DISL Shelby Center	DISL Center presentation/DI Science Mtg	$37.50
1/22/10	Baldwin County Annex-Robertsdale	BCWC Steering Committee	$40.00
2/1/10	Convention Center	Senator Shelby Forum	$14.00
2/2/10	Carabas Restaurant	Kiawanis Club Presentation	$12.00
2/19/10	DISL	Data Management Planning	$37.50
2/24/10	Washington, D.C.	ANEP Meeting	$900.00
3/2/10	Five Rivers Delta Center	Executive Committee Chairs	$9.00
3/10/10	Government Plaza Mobile	City of Mobile Mid Year Report	$4.00
3/11/10	Five Rivers Delta Center	Waters to the Sea Meeting	$9.00
3/15/10	Five Rivers Delta Center	D'Olive Workgroup meeting	$9.00
Total for R. Swann		**TOTAL MILEAGE**	**$3,274.86**
Brenda Lowther			
5/5/2009	DISL	Personnel Paperwork	$40.70
6/19/2009	Robertsdale	Baldwin County Watershed Coalition Meeting	$16.50
8/3/2009	DISL	Pick Up DISL Van	$17.60
8/5/2009	DISL to Mobile	GOMA All-Hands Meeting	$23.10
8/21/2009	Robertsdale	Baldwin County Watershed Coalition Meeting	$17.60
9/25/2009	Robertsdale	Baldwin County Watershed Coalition Meeting	$17.60
11/7/2009	Dauphin Island	Staff Retreat	$67.10
12/9/2009	Spanish Fort	Clean Water Partnership Meeting	$4.95
Total for B. Lowther			**$205.15**
Sara Shields			
4/21/2010	St. Petersburg, FL	NOAA Sea Level Rise Outreach Conference	$527.33
Total for S. Shields			**$527.33**

Megrez Mosher			
9/10/2009	Prichard, Saraland, Mobile	State of the Bay Report Distribution	$22.06
9/18/2009	DISL	Meeting with Tina Miller-Way	$40.70
9/30/2009	Orange Beach	Meeting with Lynn Rabren	$42.90
10/7/2009	Orange Beach	Meeting with Lynn Rabren	$42.90
10/14/2009	Orange Beach	Meeting with Lynn Rabren	$42.90
10/15/2009	Mobile Baykeeper	AmeriCorps Meeting	$5.39
10/16/2009	Fairhope, Daphne	State of the Bay Report Distribution	$18.70
10/21/2009	Orange Beach	Meeting with Lynn Rabren	$42.90
10/26/2009	Orange Beach	Meeting with Lynn Rabren	$42.90
10/29/2009	Gulf Shores	Video Location Scouting	$34.10
10/30/2009	Orange Beach	Meeting with Lynn Rabren	$62.70
11/2/2009	Staples, Mobile	Supplies for Nutrient Video	$7.70
11/12/2009	Alabama School of Math and Science, Mobile	Video Location Scouting	$4.40
11/8/2009	Dauphin Island	Staff Retreat	$60.50
11/12/2009	Fairhope	Meeting with Animator	$11.55
11/29/2009	Orange Beach	Meeting with Lynn Rabren	$42.90
12/17/2009	Orange Beach	Meeting with Lynn Rabren	$42.90
1/14/2010	DISL	Meeting with Tina Miller-Way	$60.50
1/27/2010	Spectronics, Mobile	Supplies	$10.01
1/28/2010	Orange Beach	Meeting with Lynn Rabren	$42.90
2/4/2010	Orange Beach, Mobile	Recording and Presenting Nutrient Film Script	$58.30
2/12/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
2/19/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
2/23/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
2/24/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
3/1/2010	Wal-Mart, Mobile	Supplies for Nutrient Video	$8.30
3/1/2010	Alabama School of Math and Science, Mobile	Nutrient Video Meeting	$4.50
3/2/2010	Daphne	Video Location Scouting	$6.10
3/4/2010	Daphne, Mobile	Video Location Scouting, Supplies	$23.95
3/5/2010	Alabama School of Math and Science, Mobile	Video Rehearsal	$19.40
3/6/2010	Daphne	Filming, Nutrient Video	$8.45
3/7/2010	Alabama School of Math and Science, Mobile	Filming, Nutrient Video	$19.40
3/10/2010	Orange Beach	Nutrient Video Editing	$39.00
3/14/2010	Mobile, Daphne	Filming, Nutrient Video	$20.00
3/15/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
3/17/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
3/24/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
3/26/2010	Orange Beach	Meeting with Lynn Rabren	$39.00

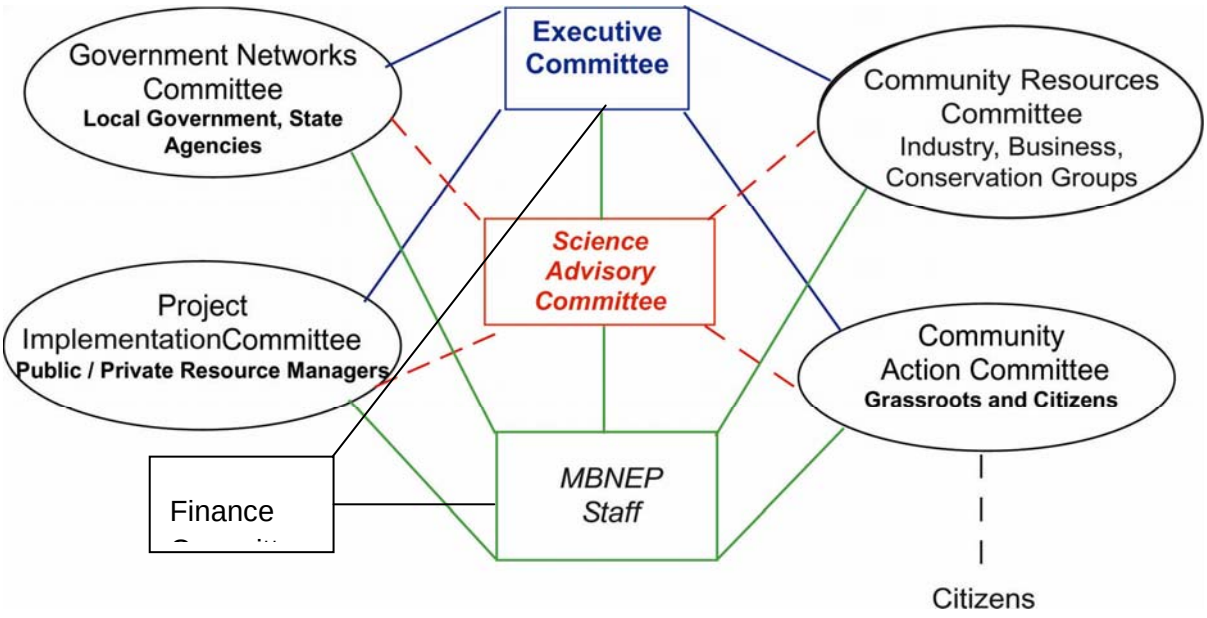
M. Mosher			
3/29/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
3/30/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
4/5/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
4/7/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
4/9/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
4/13/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
4/14/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
4/16/2010	Orange Beach	Meeting with Lynn Rabren	$39.00
TOTAL FOR M. MOSHER			**$1,512.91**
Tom Herder			
10.01.08	Wk-5Rvrs-Heveran's-Wk	CRC Meeting & Gully Meeting	$ 28.08
10.07.08	Wk-5Rivers RT	SAV Workshop	$ 10.53
10.11.08	Dauphin Island	Monitor LDI tree planting	$ 45.05
10/12/2008	Providence, RI	Restoring America's Estuaries	$1,004.69
10.12.08	Mobile Airport (RT)	Trip to RAE	$ 12.29
10.18.08	Fed-Ex Kinkos from home (RT)	Get poster for BirdFest	$ 4.10
10.18.08	Faulkner State CC from home (RT)	BirdFest	$ 24.57
10.28.08	Home to Theodore Wal-Mart (RT)	Bays and Bayous Symposium	$ 12.29
10.29.08	Home to Biloxi (RT)	Bays and Bayous Symposium	$ 76.05
11.15.08	Home to Mobile Airport	Trip to ANEP Meeting in NYC	$ 6.14
11/16/2008	New York, NY	ANEP	$1,421.80
11.19.08	Mobile Airport to Home	" " " "	$ 6.14
11.22.08	RT to Grand Bay	Fall Festival	$ 28.08
12.07.08	Home to NEP to 5 Rivers to Home	Family Fun Day	$ 11.70
01.17.09	Home to Wolf Bay to Home	WBWW Annual Mtg SW Presentation	$ 64.35
01.30.09	DISL (RT)	Executive Committee Retreat	$ 42.71
02.08.09	Swann's House from home (RT)	Planning for Nutrient Video	26.4
03.11.09	Jessie's in Magnolia Springs	YSI Training at WBNERR	39.6
03.17.09	Mobile Botanical Gardens	State of Bay Presentation/Sierra Club	8.25
03.17.09	Helen Wood Park	Provide notification of burn to neighbors	5.5
03.19.09	Helen Wood Park (Two RTs)	Burn and re-check site	11
04.03.19	Chocolatta Boat Ramp	Monitor MCWCA planting	6.6
04.16.09	5 Rivers Delta Resource Center	PIC Meeting	9.9
04.16.09	Heron Lakes Country Club	Stormwater Presentation	7.15
04.18.09	AGCCVB	Oyster Gardening Workshop	63.25
04.30.09	Providence LivingWell Center	Stormwater Presentation	11
04.28.09	Daphne United Methodist Church (RT)	Coastal Kids Quiz	16.5
04.29.09	Fairhope Municipal Complex	FEAB	23.1
05.02.09	DISL (RT)	Oyster Gardening Workshop	40.7
05.13.09	Helen Wood Park	Solicit estimate from contractor	5.5
05.14.09	Baker High School (RT)	Stormwater Presentations	17.6

Tom Herder			
05.31.09	Fairhope Unitarian Fellowship	Plastic Bag Presentation	23.1
06.01.09	Dog River Park	Pre-Application Meeting w/USACOE	6.6
06.06.09	Holy Trinity Lutheran Church	Stormwater Presentation	17.05
06.08.09	DI - Gulf Shores Plantation - Home	Stormwater Presentation	59.4
6/9/2009	Ft Morgan, AL	Ft. Morgan Civic Association	$20.50
6/16/2009	Boston, MA	Coastal Zone 2009	$1,315.74
06.17.09	Weeks Bay Reserve	Alabama Conservation Meeting	37.4
06.25.09	Chocolatta Boat Ramp	MCWCA Planting	6.6
06.27.09	DI-Auburn Shellfish Laboratory (RT)	Oyster Gardening - Pickup	40.7
06.27.09	Rousso's - Daphne (RT from home)	Stormwater Presentation	13.75
09.08.09	Chocolatta Boat Ramp	Scout MCWCA Planting Sites	6.6
09.19.09	McNally Park (from home, RT)	Coastal Cleanup	8.25
09.20.09	Home to Trash Curtain (RT 2x)	Help DRCR	4.4
10/14/2009	Prattville, AL	USACOE Meeting	$355.70
10.22.09	Daphne Public Library	CAC Meeting	$15.95
11.08.09	Dauphin Island Rental House	Staff Retreat	$40.70
11.17.09	Mobile Botanical Gardens	Plastics Presentation/Sierra Club	$8.25
11.20.09	Prichard City Hall	PERK Field Trip	$8.80
12.09.09	Prichard City Hall	Watershed Plan Development	$8.80
01.19.10	Hm-Mariner Rest-MBNEP-MR-Home	DRCR Annual Meeting	$20.00
02.02.10	University of South Alabama	Meeting w/Mimi Fearn & Marlon Cook	$12.00
03.18.10	Wk-PelicanLandingCC, Moss Point, MS	Constructing Living Shorelines Mtg	$35.00
03.19.10	WK-WestmnstrVillage-DaphneCityHall-Wk	BCWC Steering Committee Mtg	$18.00
TOTAL FOR T. HERDER			**$5,173.89**

PARTNERS

THE MANAGEMENT CONFERENCE

MBNEP initiated a reorganization of the Management Conference in 2006. The structure was revised to better provide a mix of Policy Makers (both public and private), Implementers (both public and private), and Grassroots (community groups and citizens) to ensure expanding support for CCMP implementation and identification and engagement of emerging issues related to CCMP objectives. The ultimate goal is an increased ability to function as a community capacity builder and provide improved public services in the environmental area to our coastal communities. The Mobile Bay NEP Management Conference now consists of four main committees: Community Action Committee, Community Resources Committee, Government Networks Committee, and Project Implementation Committee.



- The Community Action Committee is comprised of representatives of environmental grassroots organizations who work together to network, share information, develop issues, and provides cooperative training.
- The Community Resources Committee brings together a balance of interested community leaders from industry, business, environmental services, and the non-profit sector to identify commonalities among sectors to resolve coastal issues that impact their interests and develop resources and funding.
- The Government Networks Committee is made up of state agency heads, regional government administrators, and local officials of the target area to more effectively communicate local needs.
- The Project Implementation Committee includes representatives of resource management agencies and organizations that undertake projects related to CCMP objectives and goals.

A Science Advisory Committee includes experts from the various scientific disciplines who provide insights and a sound basis to be used by the other committees in their decision making processes. A Finance Committee includes community leaders that are committed to assisting non-federal matching dollars to implement activities of the CCMP. An Executive Committee – made up of representatives from each of the four main committees, EPA, the Science Advisory Committee, the Finance Committee and three at-large members – develops policies on issues and funding, reviews/approves work plans and budgets, evaluates the performance of the Director, and sets financial goals for non-federal share.

A key principle of the Management Conference is to coordinate and cooperate with other ongoing resource management activities to avoid unnecessary duplication. In this regard, the program office plays a major role in coordinating estuary projects and outreach activities, thus providing a more far–reaching benefit than that of simply CCMP project management.

During the 2010-2011 program year, MBNEP will review the efficiency of this management structure as part of an overall assessment of the program and re-writing of the CCMP.

FEDERAL RESOURCES

EPA ALLOCATION AND NON FEDERAL MATCHING SHARE

Each year the MBNEP receives an allocation from EPA to support activities geared toward achieving the objectives of the CCMP. The allocation for the Year 14 Plan **(2009-2010) is $600,000**. This fourth year of funding will be added to the Year 13 allocation **(2008-2009) $591,750**, Year 12 allocation **(2007-2008) $418,000** and Year 11 allocation **(2006-2007) $492,600** for a total of **$2,102,350**. EPA requires that this total allocation be matched with non-federal dollars in a 1:1 ratio, or an additional $2,102,350 in cash or in-kind valuation. This match may be in the form of cash investments, donated property valuation, or in-kind equipment, professional, or volunteer services (see Match section). The combined total amount of resources that will be available to further implement the CCMP will be valued at $**4,204,700** for Year 14.

GULF OF MEXICO PROGRAM (GOMP)

The Gulf of Mexico Program facilitates collaborative actions to protect, maintain, and restore the health and productivity of the Gulf of Mexico in ways consistent with the economic well-being of the Region. To date, MBNEP has received over $540,324 in Gulf of Mexico Program (GOMP) grants to support a water management strategy for Eight Mile Creek, wetlands resource measurement baseline development, SAV gardening, Oyster gardening programs and the creation of a strategic assessment of priority habitats. Currently the MBNEP is in its second year of managing a **$136,022** GOMP grant to support a real time water quality monitoring throughout Mobile Bay and **$229,765** GOMP grant to develop an interactive educational video that would travel throughout the Gulf States addressing issues of environmental concern.

COASTAL IMPACT ASSISTANCE PROGRAM (CIAP)

In fiscal year 2001, the US congress authorized the Coastal Impact Assistance Program (CIAP) to assist states and local communities in mitigating the impacts of Outer Continental Shelf oil and gas development and production. Alabama received a onetime grant of approximately $21,000,000, of which MBNEP received $390,000 to fund an analysis of fish data, air deposition sample analysis, a study of Living Resources in the Delta, and Mobile Bay water monitoring.

In 2005, congress re-authorized funding for CIAP, which was established under section 384 of the Energy Policy Act (EPACT) of 2005 and authorizes the Secretary of the Interior to distribute $250 million annually to six Outer Continental Shelf (OCS) oil and gas producing states in fiscal years 2007 - 2010. The EPACT of 2005 requires that all CIAP funds be used to directly conserve, restore, enhance or protect renewable natural resources. The Minerals Management Service (MMS) will act as the administration entity for this funding.

In Alabama, the CIAP eligible recipients are the State of Alabama (through the ADCNR), the Baldwin County Commission and the Mobile County Commission. In total, the state will receive $51,103,214.08 for fiscal years 2007 and 2008. Of this funding amount, $33,217,089.16 will be available to the State of Alabama, $7,894,094.64 will be available to the Baldwin County Commission and $9,902,030.28 will be available to the Mobile County Commission. This funding will be utilized to implement projects outlined in the CIAP Plan. In April, 2009 the State's plan was approved by MMS for the first round of CIAP funding (as described above) and activity will begin during the summer of 2009. MBNEP is currently working with county governments as well as the Alabama Department of Conservation and Natural Resources- Coastal Section develops projects under this program for the next CIAP Plan.

MISSISSIPPI ALABAMA SEA GRANT CONSORTIUM (MASGC)

The Mississippi Alabama Sea Grant Consortium is dedicated to activities that foster the conservation and sustainable development of coastal and marine resources in Mississippi and Alabama. Sea Grant is NOAA's primary university-based program in support of coastal resource use and conservation. The MASGC is an important partner to MBNEP in implementing many CCMP actions. MASGC provides technical expertise, program development assistance, and valuable research and is a leader of many initiatives related to CCMP objectives. At present, MBNEP partners with MASGC to co-fund a Coastal Resource specialist position. In addition, MASGC recently submitted a NOAA Economic Stimulus Restoration proposal which lists MBNEP as a partner.

NOAA RESTORATION GRANTS/ GULF OF MEXICO FOUNDATION (GOMF)

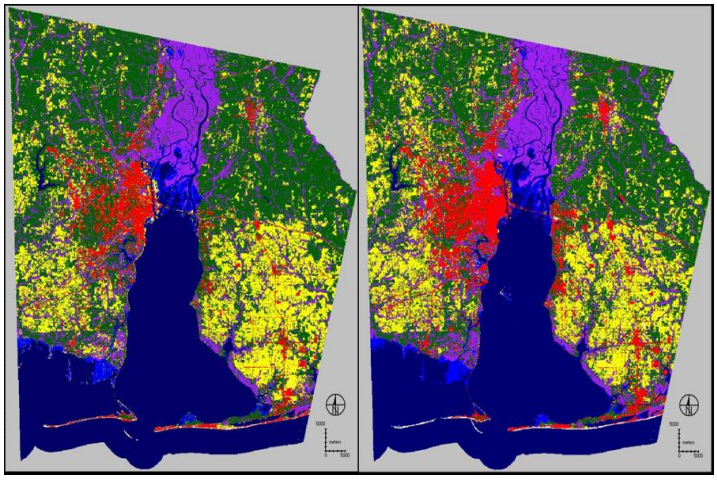
The NOAA Community-based Restoration Program administered by the Gulf of Mexico Foundation funds citizen-driven habitat restoration projects which benefit living marine resources and foster local stewardship throughout the Gulf of Mexico region. In 2003,

MBNEP received funding for derelict crab trap removal and creation of shellfish habitat ($42,981), in part used to support oyster gardening. In 2004, MBNEP received a Five Star Grant ($9,100) to further support our oyster gardening program. In 2007, a Five Star Grant ($23,000) was awarded to MBNEP to conduct an SAV Gardening project in Little Lagoon. In addition, MBNEP received two Community Based Restoration Partnership grants: 2007- ($38,500) to restore marshlands at Helen Wood Park and 2008- ($26, 450) to stabilize the shoreline and conduct park improvements at Dog River/Luscher Park.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA The NASA Stennis Space Center Applied Science Coastal Program has used and is using local interest and coastal community science needs to guide development of a strategic plan. The overarching purpose of the Applied Sciences Program is to discover and demonstrate innovative applications of NASA Earth science research and technology and to maximize the benefits to society of the nation's investments in the NASA Earth science research program. Mobile Bay was identified as a priority area and a NASA team led by Dr. Jean Ellis partnered with the Mobile Bay National Estuary Program to address a priority local need by mapping and assessing Land Use-Land Cover changes in Baldwin and Mobile Counties from 1974-2008, a period of rapid development and growth using LandSat and other imagery data. The project was completed in September 2008 and products included: change detection maps in static and in digital format for several specific time intervals, Land Use-Land Cover change geospatial statistics; and a final project report. Under a separate NASA grant ($400,000) Dr. Ellis has partnered with the MBNEP to continue this project by verifying analysis results with other datasets to develop a cohesive understanding the permanency of habitat change over the time period with a focus on the coastal hydrologic units. This project will be of inestimable value in helping us assess coastal change due to development and its impact on water quality, habitat and living resource populations.

1974 vs. 2008



NORTHERN GULF INSTITUTE

NORTHERN GULF INSTITUTE (NGI) Northern Gulf Institute (NGI), a National Oceanic & Atmospheric Administration (NOAA) Cooperative Institute, develops, operates, and maintains an increasingly integrated research and transition program focused on filling priority gaps and reducing limitations in current Northern Gulf of Mexico awareness, understanding and decision support. Partnering with five academic institutions and NOAA, the institute is a collaboration led by Mississippi State University (MSU) that includes the University of Southern Mississippi (USM), Louisiana State University (LSU), Florida State University (FSU) and the Dauphin Island Sea Lab (DISL). The NGI was

established in October of 2006. The five focus areas of the NGI are: Ecosystem-based Management, Geospatial Data/Information and Visualization in Environmental Science, Climate Change and Climate Variability Effects on Regional Ecosystems, Coastal Hazards and Resiliency.

U. S. ARMY CORPS OF ENGINEERS PARTICIPATION (USACE)

The US Army Corps of Engineers (USACE) actively participates in the implementation of many of the actions of the CCMP. USACE completed two Preliminary Restoration Plans (PRP) valued at approximately $10,000 each: one for the restoration of an area on Isle of Herbes and a second for a habitat restoration along Dauphin Island Causeway. As part of the ongoing planning for Isle of Herbes, MBNEP completed a living resources characterization of the island to assist with the corps combined planning and development phase. USACE requested Section 204 funding to continue to implement the Isle of Herbes restoration but the project was stopped due to the presence of submerged aquatic vegetation (SAV). A combined planning and design report, valued at over $80,000 was completed for the DI Causeway Restoration. However, due to a lack of suitable material and cost prohibitive staging issues, the USACE abandoned the DI Causeway restoration. Although USACE chose no further action on the project, the work done by the USACE was used as part of a grant submitted by MASGC through a NOAA stimulus grant to fund a very similar project. Another project Helen Wood Park (along the Dauphin Island Parkway) to break wave energy, thus reducing erosion has been cancelled by USACE due to the presence of SAV in the area that was identified for marsh establishment. USACE participation in CCMP activities represents a crucial resource for moving projects forward.

STATE RESOURCES

AL DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES STATE LANDS (ADCNR)

Because ADCNR has a long term interest in Alabama's Coastal Resources and the statutory responsibility for the conservation, management, and protection of these resources through its State Lands Division, Marine Resources Division, Wildlife and Fresh Water Fisheries Division, State Parks Division and particularly through the Alabama Coastal Area Management Program, it has entered into a memorandum of agreement to provide annual funding to MBNEP as part of its non-federal match requirement, as an investment toward implementation of the CCMP. MBNEP has received $300,000 ($60,000 per year) for the past five years and anticipates a continuation of this funding stream. In addition, through its various divisions, ADCNR has provided funding for Habitat Mapping, workshops, newsletters, Isle aux Herbes Restoration Planning, DI Public Access Feasibility study, wetlands status and trends and others on the order of $346,000 to date. During this past year, MBNEP completed SAV imagery as part of an ongoing effort to track trends related to this valuable resource.

STATE OF ALABAMA

MBNEP met with the head of ADECA on March 17, 2006 to request additional State funding support for the program. After much discussion and initial support by ADECA, MBNEP decided on pursuing other opportunities within State Government for ongoing support. In 2007, MBNEP was added as a line item in the State budget through the auspices of the Dauphin Island Sea Lab for a designated amount of $250,000. For the 2008 MBNEP received a reduction in this funding, or $91,000. For the 2009 -2010 year, MBNEP received $88,334. In 2010-2011 MBNEP will receive $ 70,000.

LOCAL RESOURCES

The following local governmental entities provide continuing financial assistance to the MBNEP on an annual basis to support the implementation of the CCMP. Although these communities only allocate funding annually, MBNEP anticipates expanded support from these and other coastal communities in the future. At present MBNEP is cultivating Prichard, Satsuma, Chickasaw, Bayou La Batre, Spanish Fort, Dauphin Island, Gulf Shores and Foley. Past investment from municipalities includes:

City of Mobile	$ 32,000 (requested)	City of Daphne	$ 3,000
City of Fairhope	$ 3,000	City of Gulf Shores	$ 3,000
City of Spanish Fort	$2,000	Baldwin County	$15,000
Mobile County	$26,500 (requested)		

IN-KIND CONTRIBUTIONS

MBNEP depends on volunteer support and local contributions of other in-kind services to achieve program success. On a yearly basis, in-kind environmental contributions account for over half of the non-federal share of match that MBNEP is required to raise as investment in implementing the CCMP. This in-kind support is generated from volunteer labor hours related to activities including but not limited to oyster gardening, crab monitoring, trap removals, and participation in area events. Other in-kind services include use of city owned machinery, the value of land donated for conservation purposes, and private donations to cover expenses incurred for events and activities carried out by local grassroots organizations and sponsored by MBNEP.

GEOGRAPHIC DISTRIBUTION

Although the actual watershed for Mobile Bay encompasses more than two thirds of the State of Alabama and portions of Georgia, Mississippi, and Tennessee, MBNEP's primary target area is limited to southern Alabama, including all of Mobile and Baldwin Counties, from the eastern edge of coastal Alabama to its western coastal border. In addition it extends seaward to the three-mile state jurisdictional limit. MBNEP's target area also includes Mississippi Sound, up to the Mississippi/Alabama boarder. Major waterways include the Tombigbee, Tensaw, Appalachee, Blakeley, Escatawpa, Mobile, Alabama, Dog, Fowl, Fish, Magnolia, Bon Secour and Perdido rivers; the Chickasaw, Norton, Three Mile, and Eight Mile, creeks; and the inter-coastal waterway, Wolf and Perdido Bays, and Little Lagoon.

PART TWO: ONGOING PROJECTS

ACCOMPLISHMENTS 2009-2010

MBNEP Accomplishments 2009-2010

MBNEP currently has one EPA grant open for implementing CCMP activities. During the program year the EPA grant covering federal fiscal years 11, 12, 13, and 14.

Steady and substantial progress is ongoing for this grant and expenditures are maintaining pace with progress. MBNEP had some notable successes this year, including:

Management Conference

MBNEP's Management Conference consists of the following committees - Community Action Committee, Community Resources Committee, Government Networks Committee, Project Implementation Committee, Science Advisory Committee, Finance Committee, and an Executive Committee. During 2009, the following activities took place:

Community Action Committee (CAC) organizations, including the Dog River Clearwater Revival, Little Lagoon Preservation Society, Weeks Bay Foundation, and Wolf Bay Watershed Watch, consistent with their main focus of water quality monitoring, received training on YSI Multiparameter Instruments (which they received during the second round of a peer-reviewed mini grant program) on Wednesday, March 11, 2009 at the Arthur C. Tonsmeire, III Weeks Bay Resource Building Multi-Purpose Center by YSI staff. Local utility personnel were also provided training, courtesy of YSI.

Three new grassroots organizations were recruited into the CAC – the Mobile Bay Kayak Fishing Association, the Mobile County Wildlife and Conservation Association, and the Southeastern Wildlife Conservation Group. Quarterly meeting presentations included an overview of the Alabama's Coastal Connection Scenic Byway presented by Colette Boehm of the Alabama Gulf Coast Convention and Visitors Bureau and a description of Alabama Department of Conservation and Natural Resources/U. S. Fish and Wildlife Service efforts to eradicate the Island Apple Snail from the Three Mile Creek watershed by Ben Ricks of ADCNR, Wildlife and Freshwater Fisheries Division.

The Project Implementation Committee (PIC) has continued activities associated with Fish Fiver, currently on the State's 303(d) List of Impaired Water Bodies, having completed a shoreline characterization and continuing efforts to identify a source of pathogens and to develop an interdisciplinary assessment of population growth and development impacts on the Fish River Basin coastal community. The PIC has discussed collaborating with the NOAA National Coastal Data Development Center in further developing the Mississippi-Alabama Habitats Tool and developing Watershed Profiles.

Recognizing a significant overlap of concerns, responsibilities, and members, the PIC and the Coastal Alabama Clean Water Partnership have undertaken to combine quarterly meetings to save time and eliminate duplication of efforts. The combined PIC/CACWP has begun collecting data to develop

Watershed Profiles for Mobile Bay Watershed 12-digit HUCs as a precursor to the development Watershed Management Plans.

The Science Advisory Committee (SAC) is investigating ways to assess the health of the Mobile Bay Estuary. Biological Condition Gradients and Tampa Bay NEP's efforts to "Restore the Balance" of habitats critical to thirty eight species grouped into ten faunal guilds are among approaches being considered.

The **Executive Committee (EC)** appointed Roberta Swann as Director on August 7, 2009. The EC participated in a one-day retreat with a goal of correctly positioning MBNEP to lead others in addressing the long term environmental needs necessary to ensure the biological integrity of Mobile Bay's estuarine waters. Objectives include 1) providing a summary status of MBNEP since its establishment, 2) conducting an environmental scan to identify events that will influence MBNEP success, 3) assessing constituency needs and expectations, 4) developing a long-term vision for the program, 5) developing a three-year plan of action that addresses management conference configuration, and 6) considering a one-year work plan.

Water Quality

Mobile Bay Real-time Water Monitoring

With ongoing funding, (3rd year) received from the Gulf of Mexico Program in 2009, all sites, Meaher Park, Dauphin Island, Weeks Bay, and Mobile (Middle) Bay, are up and running and information generated can be viewed at www.mymobilebay.com. The website also contains links to the Mobile River, Fort Morgan, and the Farewell Buoy as part of the Physical Oceanographic Real-Time System of the National Ocean Service with data particularly pertinent to shipping interests. Data is also available from Weeks Bay and Grand Bay through the NOAA National Weather Service Hydrometeorological Automated Data System. In the future, the website will be connected to a larger network of stations as part of the Gulf Coast Ocean Observing System, and research reports, maps, and other information will be made available to the public.

Air Deposition Monitoring

After collection of samples at two sites in Mobile and Baldwin Counties through 2009, the MBNEP has suspended its involvement in provision of data for Ca, Mg, Na, K, NH_4, NO_3, Cl, SO_4, pH, inorganic nitrogen, and total Hg, recognizing sufficient provision of this data by NOAA.

Coastal Alabama Clean Water Partnership (CACWP)

The CACWP has developed a septic tank maintenance program under a 319 grant to implement a watershed action plan in Juniper Creek with a septic tank workshop planned as a pilot project. The Mobile Area Water and Sewer System is providing free disposal to participating septic pumpers. CACWP is also developing a comprehensive watershed management plan for the Eight Mile Creek watershed. A CACWP effort to promote residential rainwater harvesting is underway, and partnerships

have been formed with the World Wildlife Fund, Coca-Cola Bottling, and other local partners to provide demonstration cisterns, low cost rain barrels, and stormwater education to residents of coastal Alabama.

Living Resources

Derelict Crab Trap Removal

After forgoing annual recoveries of derelict traps in 2009, on Saturday, March 6, 2010, MBNEP and ADCNR-Marine Resources Division sponsored a Derelict Crab Trap Removal at the Chocolatta Boat Ramps on the Mobile Bay Causeway. Holcim, Inc. provided a mini-excavator to crush collected traps and tee shirts for the 50 volunteers and, many who brought their own boats. Mobile Gas provided lunch at Meaher State Park. Over 300 abandoned traps were removed from the waters.

Oyster Gardening

MBNEP supported AUMERC in the 2009 Oyster Gardening Program. MBNEP staff re-wrote the Oyster Gardening Manual, reinstated the monthly program newsletter, and conducted one-on-one surveys with each oyster gardener to assess the program and investigate possibilities of establishing a master oyster gardening program.

Salt Marsh Restoration Strategies to Optimize Habitat Use by the Blue Crab

MBNEP supported scientists at the DISL in completing a study to determine whether *Littoraria-Spartina* and *Neritina-Juncus* communities are ecologically redundant and, therefore, indistinguishable to *Callinectes*, or whether the replacement of one ecosystem by the other would have an impact on population densities of this commercially important crab species.

Mobile Manatees Program

MBNEP continued to support efforts to monitor manatees in Mobile Bay by extending an existing collaboration that the DISL and the Wildlife Trust in Florida. This support allowed the operation of the Mobile Manatees Sighting Network to continue and collect more data with increased public education and outreach.

Habitat Management

Mississippi-Alabama Habitats Tool

Building upon an existing acquisition and restoration priorities atlas developed in 2004-2005 by the MBNEP and The Nature Conservancy (TNC), MBNEP partnered with NOAA's Office of Habitat Conservation (OHC) and TNC to develop the Mississippi-Alabama Habitats Tool. Using local knowledge and expertise of more than sixty state and local entities concerned with habitat protection in

coastal Alabama together with the geospatial, eco-regional, and technical expertise of TNC and NOAA's OHC, this habitat conservation decision support tool uses selection criteria defined by stakeholders to strategically identify habitat patches for protection based on analysis conducted with NOAA's Habitat Priority Planner. This tool was developed to engage stakeholders and equip local communities with information needed to protect critical coastal and marine habitat and provide the data necessary to make informed community preservation and development decisions.

Submerged Aquatic Vegetation (SAV) Mapping

In response to challenges presented by uncontrollable weather-related variables, a plan for a two-part SAV mapping effort developed by contractor Barry A. Vittor and Associates, DISL, MBNEP, and ADCNR-State Lands Division successfully yielded imagery of seagrass species in southern areas (Fall 2008) and the Delta (Spring 2009). A technical report, "Mapping of Submerged Aquatic Vegetation in Mobile Bay and Adjacent Waters of Coastal Alabama in 2008 and 2009," was published in December, 2009. This report which compared 2008-09 data with results from a 2002 baseline survey of SAV coverage noted a loss of almost 1,400 acres of SAV, primarily from the Mobile-Tensaw Delta and northern Mobile Bay. Some gains were observed, notably in Perdido Bay, Orange Beach, and southern Mobile County. While the report does not explain the net acreage lost, it suggests that changes in conditions like water clarity and sediment transport caused by recent hurricane activity may underlie observed fluctuations.

Helen Wood Park Marsh Restoration

The Helen Wood Park Marsh Restoration, funded in part through a Gulf of Mexico Program Community Based Restoration Partnership Grant, has been completed. After unsuccessful attempts to eradicate *Phragmites* infestation with prescribed burning and herbicide application, fuel prices decreased significantly, and in June 2009 MBNEP was able to contract Esfeller Construction to excavate four to eight inches of substrate to restore hydrology. In August 2009, remaining *Phragmites* coverage was re-treated with BASF Clearcast™. On November 6 and 7, Baker and Murphy High School Grasses in Classes Program students and 30 community volunteers planted 13,700 native marsh plants, including bulrush (*Schoenoplectus robustus* and *pungens*), black needle rush (*Juncus roemerianus*), smooth cord grass (*Spartina alterniflora*), southern wild rice (*Zizaniopsis miliacea*), arrowhead (*Sagittaria lancifolia*), pickerel weed (*Pontederia cordata*), duck potato (Sagittaria latifolia), marsh hibiscus (*Hibuscus moscheutos*), and bald cypress (*Taxodium distichum*). Three thematic educational signs were developed for installation at the park, explaining 1) "where you are in the watershed," 2) steps involved in the project, and 3) ecological services rendered by the project.

Dog River Park Shoreline Stabilization

Construction and planting at the Dog River Park Shoreline Stabilization Project, funded in part through an Association of National Estuary Programs/NOAA Community Based Restoration Partnership Grant, have been completed. In January 2009, Dr. Scott Douglass met with MBNEP staff to develop a plan for restoring the shoreline which suffers from severe erosion resulting mainly from recreational boat wakes at the City's only direct access to Dog River. The design entailed using seven 20' pile-supported timber structures with 30' intermittent gaps and clean sand fill to create seven artificial headlands and six pocket beaches. The contractor, Dauphin Island Construction, began construction in February 2010 with timber structure installation. Seven truckloads of clean sand fill were donated by the Alabama State Port Authority, and six truckloads of number two riprap were provided by the City of Mobile for placement behind timber structures and offshore along pocket beaches. In April, the City of Mobile Public Works department excavated the escarpment in gaps between timber structures, erosion blankets were installed, and grass was planted to complete construction efforts. On Friday, May 21, MBNEP staff and over twenty volunteers planted 200 native marsh plants in pocket beaches, including cattails (*Typha latifolia*), southern wild rice, bulrush, salt meadow cord grass (*Spartina patens*), duck potato, pickerel weed, arrowhead, and bald cypress. Thematic educational signs will be installed along the shoreline.

Mobile County Public Schools Grasses in Classes Program

Four public high schools are participating in the Mobile County Grasses In Classes Program: Baker, Satsuma, Alma Bryant, and Murphy. Satsuma and Baker are growing smooth cord grass (*Spartina alterniflora*) and black needle rush (*Juncus roemerianus*). Alma Bryant has completed preparation of an upland nursery which they have stocked with sea oats (*Uniola paniculata*), panic grass (*Panicum repens*), and several other species. Baker and Murphy students were involved the Helen Wood Park planting, and Baker and Bryant students participated in a dune planting project on Dauphin Island in partnership with the Parks Board, U. S. Fish & Wildlife Service, and Mobile County Soil and Water Conservation District.

Human Use Issues

D'Olive Creek Watershed Planning

Thompson Engineering was chosen from among contractors submitting proposals for development of a Comprehensive Watershed Management Plan (CWMP) for the D'Olive and Tiawassee Creeks and Joe's Branch watersheds in eastern Baldwin County. The combination of rolling topography, erodible soils, high precipitation, and rapid development have made formation of a CWMP a priority for watershed

residents and others concerned with the health of Mobile Bay. The CWMP, funded by a partnership between the Alabama Department of Environmental Management (ADEM), MBNEP, Mississippi-Alabama Sea Grant Consortium, the Cities of Daphne and Spanish Fort, and the Lake Forest Property Owners Association and currently in draft form addresses sedimentation, creek bank erosion, flooding, and other problems associated with land conversion and development that have impacted these watersheds. The project team includes Thompson, Barry A. Vittor and Associates, Hand Arendall, Alabama Coastal Foundation and Tetra Tech. Throughout the process Thompson has held meetings to keep stakeholders informed and involved in the process for which specific timelines were generated. The Final CMWP is scheduled to be delivered in July 2010 following a 30 day public comment period and public meeting.

Regional Stormwater Management

With a November, 2010, Baldwin County-wide referendum on establishment of a regional stormwater utility (i.e., to provide by local law the formation by county and municipal governing bodies of a public corporation to manage storm water and levy a storm water service charge on property containing impervious surface area, exempting agricultural and forestry property) pending, Baldwin County Watershed Coalition (BCWC) committees (Steering, Education, and Technical) are engaged in developing details for the utility and promoting passage of the referendum. In September, 2009, a Request for Qualifications was issued to consulting firms to provide the design and implementation of a Stormwater Utility. Gresham, Smith, and Partners (GSP) who were selected from applicants on September 8, provided a scope of services.

The Technical Committee performed a County-wide GIS-mapped inventory of needs, prioritization of projects, and assessment of costs for use in program development to be used by the Steering Committee and GSP for program development.

The Education Committee conducted a county-wide voter survey on September 1, 2009. The contractor indicated that voter support by region for imposition of a new fee to manage stormwater ranged from 41.9% for the Eastern Shore to 33% for in unincorporated Baldwin County. They recommended an aggressive education campaign about the benefits of the stormwater fee and the cost of not having one.

The Steering Committee is working with GSP to finish a final draft of by-laws, develop BCWC membership protocols, determine BCWC roles, determine Executive Committee structure and responsibilities, determine Corporation structure, roles, and responsibilities; develop a rate structure adequate to support utility activities but acceptable to voters, develop a fee collection mechanism; and develop a policy manual for the multiple communities; local, state, and federal agencies; and other entities involved in the BCWC.

Sediment Loading Analysis in the Magnolia River Watershed

Marlon Cook and a team from the GSA, hired by the Town of Magnolia Springs and contracted by the MBNEP, completed an “Analysis of Sediment Loading Rates for the Magnolia River Watershed, Baldwin County, Alabama 2009” to assess suspended and bed loads in the watershed. Information from the report was used in the Town’s application for status as an Alabama’s Outstanding Water. In December, 2009,

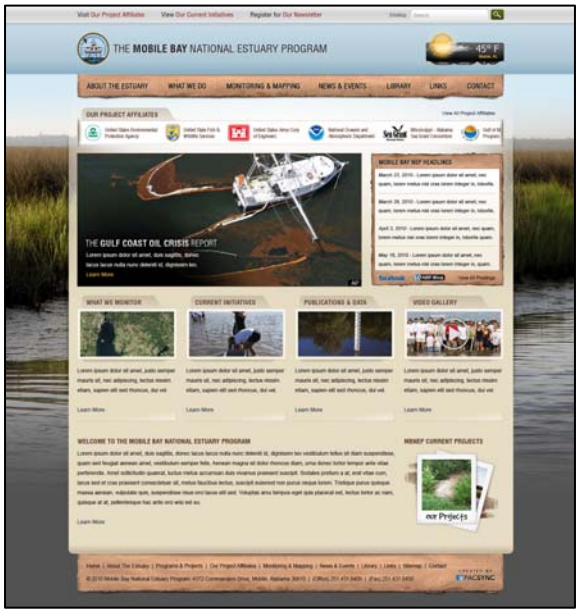
the Alabama Environmental Management Commission voted unanimously to approve the designation for this south Baldwin County river.

Outreach and Education

Editorial Board Case Statement Development

In preparation for a strategic planning meeting with the Mobile Press-Register's Editorial Board aimed at increasing local awareness of MBNEP activities and contributions, a case statement was developed in order to communicate the value of the MBNEP to our community. The case statement includes information about current program initiatives, accomplishments, the economic importance of the Mobile Bay estuary, and the Management Conference structure. Since the Editorial Board meeting, the case statement has been presented to local government officials, state legislators, and other key stakeholders. This document will continue to be updated and distributed in efforts to cultivate new partnerships and increase stakeholder involvement in MBNEP activities.

Web Site Redesign



A re-designed version of MBNEP's website, www.mobilebaynep.com, is scheduled to be launched in July 2010. The site, re-designed in partnership with a local design firm, will improve navigation and enhance web-based communication capabilities to include a photo gallery, video gallery, and blog.

Promotional Products

Colorful and attention-grabbing promotional magnets featuring three of the most significant local commercial seafood species with a "patriotic spin" – redfish, white shrimp, and blue crabs – were produced with the message, "Protect and restore our coastal wetlands." Magnets also featured "Mobile Bay National Estuary Program" and the URL of our website.

Community Events

MBNEP facilitated, organized, and/or participated in a number of events during the 2009 period, including: Earth Day, Coastal Cleanup, Coastal Kids Quiz, Discovery Day, Coastal Alabama Birdfest, Dog River Clearwater Revival Dog Paddle, Baldwin County Groundwater Festival, and the Mobile County Public Schools Environmental Studies Center Open House.

Nutrient Video

An educational video conceived and developed by the MBNEP; produced and directed by Hidden World Productions; and funded through a grant from the Gulf of Mexico Alliance is nearing completion.

Targeting the problem of nutrient over-enrichment in the Gulf, *A Redfish Tale* features animated redfish who explain and offer implementable solutions related to problems involving nutrients and eutrophication. The video will serve as a component of a touring, multimedia, interactive module for students and the general public as well as being available online for free.

Waters to the Sea

In partnership with the Alabama Clean Water Partnership, MBNEP has continued to contribute staff time and financial support in the production of *Waters to the Sea: Discovering Alabama*, the newest addition to the internationally acclaimed *Waters to the Sea* multimedia program series. When complete, this initiative will engage students and the general public in learning about their watersheds through interactive learning experiences that encourage conservation and stewardship activities. A "demo version" of *Waters to the Sea: Discovering Alabama* is nearing completion, with a full-version to be completed by August 2011. In addition, three MBNEP-sponsored kiosks are being developed to highlight and complement priority estuarine issues addressed by *Waters to the Sea*. Spanish language translation will be incorporated into the kiosks so that Hispanic populations can participate in this educational format.

Scenic Byways Signage

In Spring 2010, twenty six signs offering descriptive and interpretive information focused on the cultural and environmental heritage of the Alabama coast were installed at key points along Alabama's Coastal Connection scenic byway. Working with the Cities of Orange Beach, Foley, and Elberta, the Alabama Gulf Coast Convention and Visitors Bureau, and Wolf Bay Watershed Watch, MBNEP provided funding for the design and construction of these signs to expand ecotourism opportunities in our area, creating an educational experience for visitors and residents that encourages the importance of coastal stewardship and promotes the Alabama Gulf Coast's natural, historic, and recreational assets. These signs, along with additional marketing materials, are the critical foundation on which the Alabama Coastal Connection's partners can begin consistent promotion of the byway through their own programs, leveraging all efforts.

IMPLEMENTATION PROGRESS 10/1/2006 - 3/31/2010

Attached:

EPA (435) Expense Detail through 3-31-10

EPA (435) and External Narrative Detail through 3-31-10

Match Status through 3-31-10

Contracts with Local Entities

Mobile Bay National Estuary Program
EPA Grant (435) March 31, 2010 Status

Workplan ID #	Project Title	Total Budget	Committed/ Encumbered	Total Exp	Cash Balance	Unencumbered Balance
	MPA-MGT AND PROG ADMIN					
MPA11	Salaries	953,446.46	911,184.22	814,002.17	139,444.29	42,262.24
MPA11	Fringe	360,469.00	345,469.00	295,014.00	65,455.00	15,000.00
MPA11	Travel	58,650.00	44,325.50	48,971.33	9,678.67	14,324.50
MPA11	Supplies	86,440.66	58,553.96	59,302.78	27,137.88	27,886.70
MPA11	Staff Support	75,614.66	61,191.07	56,691.06	18,923.60	14,423.60
MPA11	Other Expenses	114,009.89	113,804.63	98,142.70	15,867.19	205.26
MPA11	Administrative Fee	403,920.18	403,184.69	320,589.03	83,331.15	735.49
	MPA-MGT AND PROG ADMIN	**2,052,550.85**	**1,937,713.07**	**1,692,713.07**	**359,837.78**	**114,837.79**
	WQ-WATER QUALITY					
A1111	Air Deposition Monitoring Year 11	35,000.00	35,000.00	35,000.00	0.00	0.00
A1112	Air Deposition Monitoring/Analysis Year 12	32,632.00	32,632.00	32,632.00	0.00	0.00
A1211	SubEstuary Monitoring	0.00		0.00	0.00	0.00
A1212	Real Time Monitoring	31,138.30	31,138.30	31,138.30	0.00	0.00
B1111	Emerging Issues: Stormwater Managmnt YR 11	22,750.00	22,750.00	22,750.00	0.00	0.00
B1112	Emerging Issues: Stormwater Managmnt YR 12	97,902.00	95,394.01	83,403.92	14,498.08	0.00
B2112	Auburn Fish River Nutrient Impact Study	20,000.00	20,000.00	20,000.00	0.00	0.00
C1111	Impaired Water Bodies-Pathogen Source ID	0.00		0.00	0.00	0.00
B213A	Comp. Sediment Loading Analysis	34,250.00	34,250.00	34,250.00	0.00	0.00
A113C	Impaired Water Bodies-ID Fish	22,000.00	22,000.00	3,000.00	19,000.00	0.00
A213A	Moore & Mntmr Crk Trsh Barrier	20,324.00	20,324.00	0.00	20,324.00	0.00
A214A	Sediment Loading Fly Creek/Dog	40,000.00		0.00	40,000.00	40,000.00
C113B	AL Clean Marina Program/Clean Wtr Partnership-Cmiller 3yrs	27,000.00	27,000.00	4,869.49	22,130.51	0.00
	WQ-WATER QUALITY	**382,996.30**	**340,488.31**	**267,043.71**	**115,952.59**	**40,000.00**

	LR-LIVING RESOURCES					
A1511	DIMS	43,500.00	28,427.62	23,427.62	20,072.38	15,072.38
B1112	Village Point Invasive Species	10,000.00	10,000.00	10,000.00	0.00	0.00
C2212	Oyster Gardening	15,000.00	8,728.87	8,728.87	6,271.13	0.00
A113A	DISL/ W. Indian Manatee	25,182.53	25,182.53	25,182.53	0.00	0.00
	LR-LIVING RESOURCES	**93,682.53**	**72,339.02**	**67,339.02**	**26,343.51**	**15,072.38**

	HM-HABITAT MANAGEMENT					
A1211	CHCT	0.00		0.00	0.00	0.00
B1112	SAV Mapping	81,881.93	81,359.00	73,648.76	8,233.17	522.93
B1111	Little Lagoon SAV Restoration	0.00		0.00	0.00	0.00
C1312	Wetlands Status & Trends	0.00		0.00	0.00	0.00
D3211	Boat Wake & Erosion Study	0.00		0.00	0.00	0.00
E1211	Tree Planting-Little Dauphin Island	2,718.75	2,718.75	2,718.75	0.00	0.00
D313A	DISL/ Shoreline Stabilization	29,664.00	29,664.00	29,592.63	71.37	0.00
	Mon Louis Island	13,043.00		0.00	13,043.00	13,043.00
A113B	AU/ Land Trust for Coastal AL	3,456.19	3,456.19	3,456.19	0.00	0.00
E113A	Protect Beach Nesting Birds	5,500.00	5,500.00	5,500.00	0.00	0.00
C1111	Coastal Birdfest Assessment	0.00		0.00	0.00	0.00
C113A	DISL/Salt Marsh Restor. Blue	41,780.72	41,780.72	41,780.72	0.00	0.00
	HM-HABITAT MANAGEMENT	**178,044.59**	**164,478.66**	**156,697.05**	**21,347.54**	**13,565.93**

	HU-HUMAN USES					
B1112	TNC-Causeway Analysis/EDUCATION	0.00		0.00	0.00	0.00
B1112	Causeway Study, Mobile Bay	0.00		0.00	0.00	0.00
B1212	Three Mile Creek Restoration	5,700.00	5,700.00	0.00	5,700.00	0.00
B1112	Helen Wood Park	4,240.00	4,240.00	3,195.63	1,044.37	0.00
B2312	D'Olive Stream Resoration	40,000.00	40,000.00	38,513.51	1,486.49	0.00
C1211	Public Access: Heron Bay Cutoff, Bayfrnt park, Lusher Park	10,000.00	5,000.00	0.00	10,000.00	5,000.00
C1211	MAWSS Source Water Protection Studies	0.00		0.00	0.00	0.00
C1212	MAWSS Source Water Protection Studies	0.00		0.00	0.00	0.00
A113D	ACF Shore Assessment Fish	5,450.00	5,450.00	5,450.00	0.00	0.00
A113E	AU/Future of Bayou La Batre	47,000.00	47,000.00	30,470.99	16,529.01	0.00
B313A	Land Use ED for R E	5,000.00	5,000.00	5,000.00	0.00	0.00
C113C	Interpretive Signage	51,000.00	51,000.00	29,403.83	21,596.17	0.00
C113D	Public Access: Chickasabogue Park Signage	5,000.00	5,000.00	0.00	5,000.00	0.00
C113D	Public Access Improv Satsuma	20,000.00	10,000.00	0.00	20,000.00	10,000.00
C113E	AU/ Character of (FR) 8-mile crk-Prichard	35,533.00	35,533.00	34,327.15	1,205.85	0.00
	HU-HUMAN USES	**228,923.00**	**213,923.00**	**146,361.11**	**82,561.89**	**15,000.00**

Mobile Bay National Estuary Program
EPA Grant (435) March 31, 2010 Status

Workplan ID #	Project Title	Total Budget	Committed/ Encumbered	Total Exp	Cash Balance	Unencumbered Balance
	EPI-ED & PUBLIC INV					
A1211	Indicators Report	26,919.91	26,919.91	26,919.91	0.00	0.00
A1211	Management Conference Support	2,500.00	1,105.48	1,105.48	1,394.52	0.00
A1311	Reproduction/Publishing outreach	9,000.00	7,545.90	7,719.27	1,280.73	0.00
A1311	Outreach Activites/Newspaper inserts/Brochures/newsletter	24,000.00	24,000.00	14,753.39	9,246.61	0.00
A1211/A1212	Community Activites & events/Stewardship Awards	21,500.00	17,722.06	15,007.32	6,492.68	0.00
A1214	Community Leader Outreach	2,030.00	1,030.00	1,030.00	1,000.00	0.00
B1212	CAC MiniGrants/ INDICATOR	10,000.00	10,000.00	10,000.00	0.00	0.00
B1212	CAC MiniGrants/Water Monitors	11,700.00	10,765.86	10,765.86	934.14	934.14
A113F	AL CWP Waters to the Sea	10,000.00	10,000.00	0.00	10,000.00	0.00
A113G	AL Coastal Clean Oceans	5,814.00	5,814.00	1,085.00	4,729.00	0.00
A113H	Bays and Bayous Symposium	15,000.00	15,000.00	7,200.00	7,800.00	0.00
	EPI-ED & PUBLIC INV	**138,463.91**	**129,903.21**	**95,586.23**	**42,877.68**	**934.14**
GRAND TOTAL 435 Budget		**3,074,661.18**	**2,858,845.27**	**2,425,740.19**	**648,920.99**	**199,410.24**

Mobile Bay National Estuary Program
EPA and External Grants Narrative

Description				Cash Balance as of 3/31/10	Summary of Deliverables	Associated Milestones 2009-2010	Estimated Completion/ Delivery Date	Organization Lead	Partners
ERP HC	HU	A1	AU/Characterization of Prichard	1,206	to design a digital and hard graphic display that depicts the character of the lower Eight Mile Creek Watershed in Prichard, AL and to propose opportunities for public access, low impact development and educational opportunities throughout the	Conduct assessment, prepare visual aids, conduct an all day community meeting to educate about findings and initiate watershed planning	September-10	Auburn	MBNEP
Ecosystem Restoration - Human Uses Total				**1,206**					
ERP LR	LR	C2.2	Oyster Gardening	6,271	oysters will be grown and placed onto local reefs	59,000 planted on Little Dauphin Island,	ongoing	MBNEP	Auburn University, MASGC, ADCNR-MRD,
Ecosystem Restoration - Living Resources Total				6,271					
ERP WQ	WQ	A1.2	Moore & Montlimar Creek Trash Barriers	20,324	Installation of trash barriers to catch non-point pollution along Moore and Montlimar Creeks	Identify locations for installation; work with City to develop maintenance routine; install barriers	September-10	MBNEP	Dog River Clearwater Revival
ERP WQ	WQ	B1.1	Storm Water Management	14,498	To lead Baldwin County, Alabama, and other communities that are members of the Stormwater Working Group (SWWG) through a facilitated set of meetings concerning the advisability of forming a regional stormwater funding mechanism/program concept. The end product will be a Stormwater Action Plan, agreed upon by members of the SWWG	Enabling legislation passed; Steering, Education and Technical Committee formation- PR campaign, organizational development of entity	November-10	MBNEP	ACF, Weeks Bay Reserve, twelve municipalities of Baldwin County, Baldwin County
ERP WQ	HU	B1.2	Three Mile Creek Restoration	20,000	to restore flow in the original creek channel to improve the aquatic ecosystem	develop resources to prepare design and construction specifications; construct		MBNEP	Waterkeeper Alliance
ERP WQ	WQ	C1	Coastal AL Clean Water Partnership	13,639	to provide funding for a watershed facilitator to coordinate outreach efforts, meetings, data, environmental indicators, funding received, corrective action project implementation schedules, success stories, and recommendations for further action.	coordinated and facilitated quarterly basin meetings, coordinated local watershed planning efforts and participated in extension outreach activities. worked with local marina operators to institute best management practices which improve coastal water quality through participation in the Mississippi-Alabama Clean Marina	December-10	MBNEP	Mobile & Baldwin Counties Water and Sewer Boards
ERP WQ	HU	B2.3	D'Olive Stream Restoration	28,747	prepare a watershed management plan that will lead to on the ground actions to improve water quality in watershed	prepare RFQ; select consultant; design public outreach strategy	September-10	MBNEP	ADEM, City of Daphne, City of Spanish Fort, GSA, ADCNR, Lake Forest Property

Mobile Bay National Estuary Program
EPA and External Grants Narrative

Description				Cash Balance as of 3/31/10	Summary of Deliverables	Associated Milestones 2009-2010	Estimated Completion/ Delivery Date	Organization Lead	Partners
Ecosystem Restoration - Water Quality Total				97,207					
EST	WQ	A1.2	Real Time Water Monitoring-Bay: 4 Stations	$239,925.00	Continuous data on hydrological and meteorological conditions at four different stations located around the bay	continue monitoring effort of four stations throughout bay- pursue alternative funding sources for long term operation	ongoing	MBNEP	DISL, ADCNR, ACES,
EST			Assessment of Stream Flow and Sediment for D'Olive Creek Interstate 10 Crossing Project	$ 18,800.00	to prepare a proposal for monitoring and sediment load estmation for D'Olive Creek upstream from the Interstate 10		November-10	MBNEP	AL DOT, GSA
EST	LR	A1.5	DIMS (Data Information Management System)	20,072	MIS support for water quality, living resource and habitat management activities; Provides tracking of these types of activites	complete	ongoing	MBNEP	MASGC, DISL, CHCT
Ecosystem Status and Trends Total				278,797					
TAC DA	EPI	B1.1	CAC Mini Grants- Water Testing Program	934	increase citizen involvement in hands-on monitoring of local waters as a mechanism for better identification of trends and causes and effects of water quality improvements or degradation.	purchase four YSI monitors; train community group representatives; set up data program	September-09	MBNEP	Wolf Bay Watershed Watch, Dog River Clear Water Revival, Little Lagoon Preservation Society, Weeks Bay Foundation
TA/Capacity Building - Direct Assistance Total				934					
TAC Tools	HU	A1	BLB Community Planning	16,529	to provide support in the development of a community plan that promotes wise land use, community renewal and the preservation of rich waterfront and environmental heritage in the city of Bayou La Batre	Complete Community Profile in working with Planning Commission; meet with City Council to present recommendations	September-09	Auburn	MBNEP
TAC Tools	HU	C1	Wolf Bay Watershed/Interpretive Signage	21,596	to educate the public about vital resources with project area; stilulate and encourage sustainable tourism; complement and coordinate the objectives of	design & build signs; identify sites; installation	September-09	GCVB	Wolf Bay Watershed Watch, MBNEP
TA/Capacity Building - Tools Total				38,125					
PIR	WQ	C1	Clean Marina Program	22,131	A voluntary, non-regulatory program that promotes responsible marina operating practices through educational activities and products that promote BMPs to improve water quality	Establish co-funded position with Clean Water Partnership, MASGC, MBNEP for non-point source specialist to deal with Clean Marinas and other non-point issues	ongoing	MASGC	MBNEP, ADCNR, MSDMR
PIR	EPA	A1	AL Clean Water Partnership- Waters to the Sea	10,000	to engage and arm Alabama citizenry with knowledge on which to base future decisions affecting both water quality and quantity.	first phase of DVD complete; script, imagery	September-10	CWP	MBNEP
PIR	EPI	A1	AL Clean Oceans	4,729	to improve overall health of Alabama's Coastal Waterways; reduce wildlife deaths from plastics and other pollutants; and to promote good stewardship by involving the community coastal	expand monofilament recycling program; conduct coastal clean ups in targeted areas		Southeastern Wildlife Conservation Group	MBNEP, ADCNR
PIR	EPI	A1	Reproduction/Publishing of outreach materials	1,281	support for local area events to raise awareness of the MBNEP	public outreach promotional items to give away at special events	ongoing		

Mobile Bay National Estuary Program
EPA and External Grants Narrative

Description				Cash Balance as of 3/31/10	Summary of Deliverables	Associated Milestones 2009-2010	Estimated Completion/ Delivery Date	Organization Lead	Partners
PIR	EPI	A!	Management Conference Support	1,395	funding to support ongoing operations of Management conference	travel and meeting space costs	onogoing	MBNEP	
PIR	EPI	A1.2	Outreach Activities- newsletter, etc.	9,247	publication of quarterly newsletter and other materials to educate general public about environmental issues of concern	quarterly newsletter published, Stormwater brochure, MBNEP brochure	ongoing	MBNEP	
PIR	EPI	A1.2	Current Connections Newsletter	13,009	publication of quarterly newsletter	quarterly newsletter published	ongoing	MBNEP	ADEM
PIR	EPI	A1.2	Special events/awards	6,493	funding to support special events throughout area that promote enviromentally responsible	supports area events including Bird fest, Coastal Cleanup, Coastal Kids Quiz, Water Smart	ongoing	MBNEP	
PIR	EPI	A1.2	State of the Bay Symposium	7,800	A two day meeting of scientists, resource managers, and others to exchange current information on water quality, living resources, habitat management, and human uses	Committees established and meeting, fundraising begun	December-10	MBNEP	MASGC
PIR	EPI		Interactive Touring Video	206,373	to create an interactive 15 to 20 minute video about the impacts of excess nutrients on Gulf coastal ecosystems and waters for visitors and students	Script finalized, Actors choosen, filming finished, editing in progress	November-10	MBNEP	GOMA
PIR	EPI		Grasses In Classes	31,786	to establish tidal brackish and fresh marsh on bars and flats in Mobile Bay and delta, and to promote marsh grass education through the Mobile Public High Schools Grasses in Classes	Four public schools are growing grasses and have helped with plantings	July-10	MBNEP	US Fish and Wildlife Service
PIR	Admin	MPA	Management and Program Administration	359,838					
PIR	Admin	MPA	DISL Indirect Charges	83,331					
Program Implementation/Reports Total				757,411					
Grand Total				1,179,951					

Mobile Bay National Estuary Program
EPA Grant (435) March 31, 2010 Match Status

Name/Description	FY 2007 Year 11 Budgeted	FY 2007 Year 11 Committed Funds	FY 2007 Year 11 Surplus/Deficit	FY 2008 Year 12 Budgeted	FY 2008 Year 12 Committed Funds	FY 2008 Year 12 Surplus/Deficit	FY 2009 Year 13 Budgeted	FY 2009 Year 13 Committed Funds	FY 2009 Year 13 Surplus/Deficit	FY 2010 Budgeted Amount	FY 2010 Committed Funds	FY 2010 Surplus/Deficit	4 Year Total Budgeted	4 Year Total Committed Funds	4 Year Total Surplus/Deficit
Match Reserve Transfers			$0.00	$100,793.00	$100,793.00	$0.00	$7,169.00	$7,169.18	$0.18			$ -	$ 107,962.00	$ 107,962.18	$ 0.18
State of AL			$0.00	$238,390.00	$238,390.00	$0.00	$100,000.00	$77,390.00	-$22,610.00	$ 76,724.00	$ 70,099.00	$ (6,625.00)	$ 415,114.00	$ 385,879.00	$ (29,235.00)
ADECA -Not Received	$50,000.00		-$50,000.00			$0.00			$0.00			$ -	$ 50,000.00	$ -	$ (50,000.00)
ADCNR	$60,000.00	$60,000.00	$0.00	$60,000.00	$60,000.00	$0.00	$60,000.00	$60,000.00	$0.00	$ 60,000.00	$ 60,000.00	$ -	$ 240,000.00	$ 240,000.00	$ -
City of Mobile	$32,000.00	$32,000.00	$0.00	$32,000.00	$32,000.00	$0.00	$32,000.00	$32,000.00	$0.00	$ 32,000.00	$ 28,800.00	$ (3,200.00)	$ 128,000.00	$ 124,800.00	$ (3,200.00)
Baldwin Co. Commission	$17,000.00	$17,000.00	$0.00	$17,000.00	$17,000.00	$0.00	$17,000.00	$15,000.00	-$2,000.00	$ 15,000.00	$ 10,000.00	$ (5,000.00)	$ 66,000.00	$ 59,000.00	$ (7,000.00)
Mobile County	$26,500.00	$26,500.00	$0.00	$26,500.00		-$26,500.00	$26,500.00		-$26,500.00	$ 26,500.00		$ (26,500.00)	$ 106,000.00	$ 26,500.00	$ (79,500.00)
City of Fairhope			$0.00	$3,000.00	$3,000.00	$0.00	$2,000.00		-$2,000.00	$ 3,000.00		$ (3,000.00)	$ 8,000.00	$ 3,000.00	$ (5,000.00)
City of Spanish Fort	$4,000.00		-$4,000.00	$4,000.00		-$4,000.00	$0.00		$0.00	$ 2,000.00		$ (2,000.00)	$ 10,000.00	$ -	$ (10,000.00)
City of Gulf Shores	$3,000.00	$2,000.00	-$1,000.00	$3,000.00	$2,000.00	-$1,000.00	$2,000.00	$2,000.00	$0.00	$ 2,000.00		$ (2,000.00)	$ 10,000.00	$ 6,000.00	$ (4,000.00)
City of Daphne	$3,000.00	$3,000.00	$0.00	$3,000.00	$3,000.00	$0.00	$3,000.00	$3,000.00	$0.00	$ 3,000.00	$ 3,000.00	$ -	$ 12,000.00	$ 12,000.00	$ -
Private Donations*	$4,500.00	$5,000.00	$500.00	$1,500.00	$150.00	-$1,350.00	$2,000.00	$2,000.00	$0.00	$ 2,000.00	$ 20.00	$ (1,980.00)	$ 10,000.00	$ 7,170.00	$ (2,830.00)
			$0.00			$0.00			$0.00			$ -	$ -	$ -	$ -
435 Match TOTALS	$200,000.00	$145,500.00	-$54,500.00	$489,183.00	$456,333.00	-$32,850.00	$251,669.00	$198,559.18	-$53,109.82	$ 222,224.00	$ 171,919.00	$ (50,305.00)	$ 1,163,076.00	$ 972,311.18	$ (190,764.82)

NEP Match Received/Projected	$972,311.18
NEP In-Kind Match Value	$ 304,873.47
NEP DISL Unrecovered Indirect	$ 848,606.49
Total Match Received/Projected	$ 2,125,791.14

Mobile Bay National Estuary Program
Contracts with Local Entities

Title	Organization	Project Description	Amount	Start Date	End Date	Award Funding Source
Assessment of Stream Flow and Sedimintation for D'Olive Creek Interstate 10 Crossing	Geological Survey of Alabama	to prepare a proposal for monitoring and sediment load estmation for D'Olive Creek upstream from the Interstate 10 crossing.	$18,800.00	June-10	December-11	Alabama Department of Transportation
Bays and Bayous Event Planner	Jeanne D. Harris	to help plan, according to tasks outlined in the scope of service, the Bays and Bayous 2010 event to be held November 30, December 1 and 2,	$4,500.00	April-10	September-10	U.S. Environmental Protection Agency
Website Design and Development	PacSync Interactive Media	to design and develop a new website for the MBNEP that will improve usability of the site through intelligent content organization, navigation and cutting edge design presentation.	$10,000.00	February-10	September-10	U.S. Environmental Protection Agency
Bayou La Batre-Lower Eight Mile Creek Watershed Planning	Auburn University	to calibrate the proposed SmartCode framework plan to the specific conditions of Bayou La Batre's built and natural environments and to explore the manner in which a revised set of land use and development patterns can function as nonpoint source management measures in the Eight	$30,000.00	October-09	May-09	U.S. Environmental Protection Agency
Assessment of Sediment in Fly Creek	The City of Fairhope	to characterize land-use, erosion and sedimentation in the watershed, to identify sources of sediment, and to establisted baseline data and sedimentation rating curves that can be used in the future to changes in erosion and sediment load transport.	$20,150.00	October-09	September-10	U.S. Environmental Protection Agency
Development of a Regional Stormwater Management Entity for	Gresham, Smith and Partners	to provide services for the design and implementation of a stormwater utility for Baldwin County and its	$75,000.00	September-09	November-10	U.S. Environmental Protection Agency
Conservation Planning Support	The Nature Conservancy/NOAA	to develop a outreach and marketing plan and a training plan that can illustrate creative partnerships that can achieve mutual goals by protecting marine and coastal habitats, with an emphasis on habitats that support harvested, endangered, threatened and other marine species	$15,000.00	August-09	October-09	NOAA

Mobile Bay National Estuary Program
Contracts with Local Entities

Title	Organization	Project Description	Amount	Start Date	End Date	Award Funding Source
D'Olive Creek and Tiawassee Creek Watershed Management Plan	Thompson Engineering	to develop a watershed management plan that brings together local stakeholders, builds public support, gathers the needed information to address the long-standing environmental degradationof the	$125,000.00	August-09	July-09	U.S. Environmental Protection Agency, local funding
Interacting with the Watershed: A Nutrient Adventure Video Production	Hidden World Productions	to create an interactive 15 to 20 minute video about the impacts of excess nutrients on Gulf coastal ecosystems and waters for visitors and students	$65,400.00	May-09	April-10	U. S. Environmental Protection Agency Gulf of Mexico Program