

YEAR FIVE ANNUAL WORKPLAN

FISCAL YEAR 2001



**MOBILE BAY
NATIONAL ESTUARY PROGRAM**

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**MOBILE BAY NATIONAL ESTUARY PROGRAM
YEAR FIVE ANNUAL WORKPLAN**

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PREFACE

This is the fifth annual Workplan for the Mobile Bay National Estuary Program (NEP). It describes the work items to be carried out for Year Five (Fiscal Year 2001). Fiscal Year 2001 remains a transition year for the Mobile Bay NEP. Technically this is the second year of implementation—at least in terms of the level of US Environmental Protection Agency (EPA) funding. However, the Mobile Bay NEP expects to work on the Comprehensive Conservation and Management Plan (CCMP) this fiscal year and obtain approval for the plan from the Governor of Alabama and the Administrator of EPA during the first quarter of the Fiscal Year 2002. This workplan is intended as a stand alone document and to supplement the Year Four (FY 2000) workplan (i.e. items and funding identified for year 4 but not completed will continue in year 5). The year Five Plan provides additional funds for several year four activities that have been identified as likely to require additional funds.

The Mobile Bay NEP Program Office has moved to the Brookley Campus of the University of South Alabama and the University of South Alabama is serving as the grantee with the concomitant expenses that are incurred in that location.

This Workplan is presented to the members of the Management Conference and is available to the Mobile Bay estuary community. The information in this Workplan also serves as an agreement between the Mobile Bay NEP Management Conference and the US Environmental Protection Agency for continued funding of the Mobile Bay NEP.

This document contains several sections. The **Introduction** provides a discussion of the establishment of the National Estuary Program, and of the Mobile Bay NEP in particular, under Section 320 of the Clean Water Act. The **Year Five (FY01) Activities** include details of each proposed Workplan item in Required CCMP Elements, Scientific/Technical Assessments, Public Participation and Education and Program Administration.

INTRODUCTION

The National Estuary Program (NEP) was established by the Water Quality Act of 1987. The Act authorizes the Administrator of the US Environmental Protection Agency (EPA) to develop Comprehensive Conservation and Management Plans (CCMPs) for estuaries of national significance threatened by pollution, development, or overuse. Section 320 of the Act outlines the estuary designation process and the purposes of a Management Conference.

On September 28, 1995, EPA Administrator Carol M. Browner added Mobile Bay to the National Estuary Program. The Management Conference participants were established and consist of a seventeen member Policy Committee (now eighteen), a Management Committee, a Technical Advisory Committee (TAC), and a Citizens Advisory Committee (CAC). Subsequently, four TAC/CAC joint issue workgroups were created to further define and refine priority issues and corresponding action plans for the following areas: habitat loss, human uses, living resources, and water quality. The Policy Committee approved the Mobile Bay NEP Management Conference Agreement on July 30, 1996. The Conference Agreement represents the commitments of Management Conference participants to the work to be accomplished over the three-year planning and development phase of the Mobile Bay NEP.

The work outlined in the Conference Agreement includes the tasks necessary to fulfill the seven purposes of a National Estuary Program, stated in Section 320 of the Water Quality Act of 1987.

Section 320(b) PURPOSES OF CONFERENCE. —The purposes of any management conference convened with respect to an estuary under this subsection shall be to—

- 1. Assess trends in water quality, natural resources, and uses of the estuary;*
- 2. Collect, characterize, and assess data on toxics, nutrients, and natural resources within the estuarine zone to identify the causes of environmental problems;*
- 3. Develop the relationship between the in-place loads and point and nonpoint loadings of pollutants to the estuarine zone and the potential uses of the zone, water quality, and natural resources;*
- 4. Develop a comprehensive conservation and management plan that recommends priority corrective actions and compliance schedules addressing point and nonpoint sources of pollution to restore and maintain the chemical, physical, and biological integrity of the estuary, including restoration and maintenance of water quality, a balanced indigenous population of shellfish, fish and wildlife, and recreational activities in the estuary, and assure that the designated uses of the estuary are protected;*
- 5. Develop plans for the coordinated implementation of the plan by the States as well as Federal and local agencies participating in the conference;*
- 6. Monitor the effectiveness of actions taken pursuant to the plan; and*
- 7. Review all Federal development projects in accordance with the requirements of Executive Order 12372...to determine whether such assistance programs or projects would be consistent with and further the purposes and objectives of the plan prepared under this section.*

On June 20, 1996, the Policy Committee established the following goals for the Mobile Bay National Estuary Program.

- I. To maintain and promote wise stewardship of the water quality characteristics of the Mobile Bay Estuarine System.*
- II. To maintain and promote wise stewardship of the living resources base of the Mobile Bay Estuarine System.*

As indicated in the Management Conference Agreement, a strong emphasis is placed on an early action agenda and support of only that research and characterization work necessary for an effective CCMP. Coordination with other ongoing resource management activities to avoid unnecessary duplication and efforts to involve all interested and affected parties will continue as the completion of the CCMP approaches and implementation of the CCMP begins.

YEAR FIVE (FY01) ACTIVITIES

The Year Five (FY 01) Workplan will build on the previous four years' efforts and will address the products and activities necessary to complete the CCMP. The EPA allocation to the Mobile Bay NEP for the Year Five (FY 01) Workplan is \$330,000. This amount will require a state and local match of \$110,000, for a total of \$440,000. The Mobile Bay NEP Year Five (FY 01) budget is itemized in Table 1. Table 2 is a summary of the Year Five budget by origin of funds. There will remain \$794,378 available from prior years which provides total funding for items in the Years Four and Five Workplans.

It is worth repeating the key concepts stated in the previous workplans, which provide the overall ideological framework for managing the Mobile Bay estuarine system by consensus.

Key Concepts:

- Actions to increase public awareness of estuarine problems and active seeking of public participation in consensus building.
- Management options based on the estuary as a holistic ecological unit and promotion of basin-wide planning to manage our living resource.
- Establishment of working partnerships among federal, state, and local governments and organizations to cut across traditional jurisdictions.
- Projects to transfer scientific and management information, experience, and expertise to program participants.
- Utilization of a phased approach: first, identify and define priority problems; second, establish probable causes of the problems; third, devise alternative strategies to solve the problems; fourth, choose and implement the most effective of the strategies.
- Identification of approaches that balance conflicting human uses of the estuary.
- Utilization of collaborative problem solving, to assemble maximum expertise, to broaden the management perspective, and to secure a wide commitment.
- Reliance on existing, previously underutilized data and information combined with critical applied research to fill the knowledge gaps.

The allocation of Year Five (FY 01) funds will be in four program areas:

1. **Required CCMP Components.** This section contains items necessary to comply with the requirements of a Comprehensive Conservation and Management Plan as defined by Section 320 of the Clean Water Act. These items do not encompass all required components, but only those not addressed elsewhere in this Workplan or those previously completed.
2. **Scientific/Technical Assessments.** Workplan items focus on identified high priority activities that are necessary for efficient implementation of the CCMP. In addition, continuation of previous years' workplan items and items that are integral to fulfillment of the CCMP objectives are included.

3. Public Participation and Education. Year Five will feature outreach efforts centered on the final Comprehensive Conservation and Management Plan. New local community initiatives targeted to watersheds will be initiated. General outreach will continue to increase public awareness of the Mobile Bay NEP and collaboration with other agencies and municipalities during CCMP implementation.

4. Management and Program Administration. The Program Office staff will continue to guide the Mobile Bay NEP toward the goals of the Management Conference and the completion of the Comprehensive Conservation and Management Plan. Roles of the Program Office include staff support of committees, program planning, identification of additional funding sources for the development of the CCMP, project contract procurement and coordination, interagency coordination and communication, and administrative coordination with EPA Region 4 and Headquarters.

1.0 Required CCMP Components

"Comprehensive Conservation & Management Plans: Content and Approval Requirements" (EPA Guidance Document 842-B-92-002) lists the required contents of a Comprehensive Conservation and Management Plan, as follows:

- Management Conference Membership List
- Summary of Characterization Findings
- Statement of Priority Problems
- Environmental Quality Goals and Objectives
- Base Program Analysis
- Action Plans
- Finance Plan and Implementation Strategy
- Monitoring Program Plan
- Federal Consistency Review
- Summary of Public Involvement and Review

The workplan items in this section will address those required elements that have not already been completed or are not addressed elsewhere in this workplan. A summary of workplan items developed and approved by the Management and Policy Committees is provided below.

Year Five Required CCMP Components

Specific workplan items are provided in the following section.

- | |
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| <ul style="list-style-type: none">1.1 Writing the Comprehensive Conservation and Management Plan1.2 Design and Printing of Various Mobile Bay NEP Documents1.3 Finance and Implementation Plan |
|--|

1.1 Writing the CCMP

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$15,000
Total Funding:	\$40,000 (25,000 from NEP FY 00)
Priority Issues:	All
MBNEP Coordinator:	Program Director
MBNEP Designated Reviewer:	MBNEP Management Conference

During Year Three, while the scientific, technical and public outreach programs continued, the Management Conference reached consensus on quantifiable objectives and action plans for the Comprehensive Conservation and Management Plan (CCMP). MAD Consulting Services was contracted to develop an outline and draft CCMP, based on EPA guidance, the scientific/technical studies completed and those underway, the "Stakeholder Report" (Year Two (FY 98), Item 2.11), the finance plan and implementation strategy, and the Public Participation Strategy. The initial draft CCMP has received review of the Management Committee and the Technical and Citizens Advisory Committees. As a result of this review, additional drafting of sections took place. Sections of the CCMP which have been revised include the Habitat Loss and Living Resources Sections. The Introduction and Water Quality, Human Uses, and Hydrologic Modification sections still require substantial revision. Sections of the CCMP not yet completed in Year Four that need to be added include the Public Education and Public Involvement, the Monitoring Strategy and the Federal Consistency Report.

A preliminary draft of the CCMP is scheduled to be available in January, 2001. Either in-house or contract services will be required to prepare this review draft. In addition, a compilation of the public comments received and proposed responses will be prepared. A complete revised draft CCMP is scheduled to be published in March, 2001, which will include all the required sections of the CCMP. When the Management Conference approves this final draft, it is approved by the Governor and submitted to EPA for the formal approval process.

Project Objectives:

1. With the Program Director, coordinate with contractors (primarily Monitoring Program Plan, and Federal Consistency Report), Program Staff, Workgroup Chairs to create a final CCMP based on timely and accurate data.
2. Write the final draft (for the Management Conference) and final Comprehensive Conservation and Management Plan in "camera-ready" format.
3. Ensure program data and information is incorporated in the Data and Information Management System of the Mobile Bay NEP.

Project Deliverables/Schedule:

Preliminary Draft CCMP	January, 2001
Final Draft CCMP (with all final reports).....	March, 2001
Draft Final CCMP	August, 2001
Final CCMP.....	November, 2001

1.2 Design and Printing of Mobile Bay NEP Documents

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$10,000
Total Funding:	\$50,000 (\$40,000 from NEP FY 00)
Priority Issues:	All
MBNEP Coordinator:	Program Director
MBNEP Designated Reviewer:	MBNEP Management Conference

It will be necessary to provide sufficient copies of MBNEP documents to the Management Conference and to the public. These documents include, but are not limited to:

- Final Draft and Final Comprehensive Conservation and Management Plan
- Technical Reports
- Federal Consistency Review

Number of copies for each publication will vary, depending on the document in question and the overall priority within the publication budget. The highest priority will be given to the CCMP.

Project Objectives:

Layout, design, printing of various MBNEP documents.

Project Deliverables/Schedule:

TBD

1.3 Finance and Implementation Plan

Performing Organization:	Battelle
Principal Investigator:	Mr. Mark Curran
FY 01 Funding:	\$0
Total Funding:	\$5,815 (NEP FY 00)
Priority Issues:	All
MBNEP Coordinator:	Program Director
MBNEP Designated Reviewer:	MBNEP Management Conference

This work item covers the completion of the Finance and Implementation Plan which was begun in Year 3 of the program with the award of a contract to Battelle in the amount of \$43,999. Of this amount \$5,815 remains to be expended during Year 4 of the program. This item is expected to be complete before Year Five (FY 01) begins. It is included here as a transition item for completeness.

Project Deliverables and Schedule:

2.0 Scientific / Technical Assessments:

Technical Advisory Committee (TAC) members and the Scientific / Technical Program Coordinator will be responsible for coordination and oversight of implemented scientific / technical actions. Initiation, coordination, and oversight of scientific / technical projects and / or assessments listed in this workplan also fall under the purview of the Scientific / Technical arena. In addition, as results from scientific / technical assessments are received, revisions to developed action plans that were based on previous assumptions will be made as needed.

A summary of workplan items developed and approved by the TAC is provided below. Some of these workplan items identify NEP funding and outside funding to accomplish tasks. As we enter implementation, there is a greater need to seek and acquire outside funding for the Program. If additional opportunities and funding become available, new workplan items may also be developed by the TAC for approval from the Management and Policy Committees.

Year Five (FY 01) Scientific/Technical Workplan Items

All scientific / technical efforts will be coordinated with other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated and to maximize resources. Specific workplan items developed by the TAC are provided in the following section.

2.1	Wetlands and Submerged Aquatic (SAV) Survey
2.2	Assessment and Modeling of Priority Water Quality Parameters for the MBNEP Study Area
2.3	Land Use Planning Effort Support
2.4	Atmospheric Deposition Monitoring
2.5	GIS and Web Site Maintenance and Continued Development
2.6	Monitoring Program Implementation
2.7	Monitoring Program Development
2.8	Sediment Characterization
2.9	Shellfish Grant
2.10	Living Resources Data Synthesis/Analysis
2.11	APDP

2.1 Wetlands, Emergent and Submerged Aquatic Vegetation (SAV) Assessment

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$0
Total Funding:	\$315,000 (\$190,000 NEP FY 00)
Outside Funding:	\$125,000 (undetermined)
Priority Problem:	All
MBNEP Project Coordinator:	Scientific / Technical Coordinator
Designated Reviewer:	TAC

(THIS TASK REQUIRES REVIEW AND REVISION FOR SCOPE AND DELIVERABLES. WHAT FOLLOWS IS THE TASK CONTAINED FROM YEAR 4 FY 00.)

Habitat loss or degradation is important to the overall health of an estuarine ecosystem. Two (2) important ecosystems are emergent wetlands (including marshes and forested wetlands) and submerged aquatic vegetation (SAV). An estimated 90% of commercial fish and shellfish landed in Alabama rely on wetlands for critical habitat during their life cycles. Submerged aquatic vegetation play a pivotal role in determining the productivity and water quality of estuarine environments. Both ecosystems serve as primary producers in estuarine and nearshore environments, provide habitat for many invertebrate and fish species, serve as sinks for nutrients, and stabilize sediments. The amount of emergent wetlands lost to conversion, alteration, or degradation and the current amount and type of SAV habitat within the MBNEP study area is unknown. This work element is based on the uncompleted Year Two (2) Workplan Item 1.3. It is designed to determine the extent of emergent wetland conversion, emergent wetland alteration or degradation, and current SAV areal coverage and composition (within the MBNEP study area) for development of CCMP action plans related to habitat.

In addition, there is a concern among citizens and scientists in the Mobile Bay NEP area that the cumulative loss of wetlands and wetland functions (both regulated and non-regulated) is a problem in our region. However, there are no hard data to show the extent of the problem. A technical assessment of the problem is needed before any real management actions can be agreed upon by the Management Conference of the Mobile Bay NEP. This project will begin work to determine the extent of wetland and wetland functions' loss within watersheds of the Mobile Bay NEP for those areas that are in need of an evaluation. This assessment will include wetlands that are currently regulated and wetlands that are not subject to any permitting process. Key products will include a GIS map illustrating status and trends, an advanced identification of wetlands for management and, possibly, land use planning purposes, specific watershed management mechanisms to alleviate the problems, and specific recommendations for restoration of key wetland habitats within the Mobile Bay NEP area. The advanced identification work for the non-surveyed parts of Baldwin County is likely to be funded by an EPA grant awarded to the Baldwin County Planning Department. The Gulf of Mexico Program and the Alabama Department of Economic and Community Affairs have tentatively committed to assisting the Mobile Bay NEP in partial funding of this item. In

addition, ADECA, Coastal Programs, has included several of the objectives listed below as part of their FY 00 workplan and Section 309 and 6217 ADEM, Coastal Programs work focuses on better wetlands management. Hence, all efforts will be closely coordinated with Baldwin County, ADECA, and ADEM to avoid duplication and to maximize resources. The Mobile Bay NEP will focus efforts on SAV objectives, Non-regulated Wetland's Objective 2, and Regulated Wetland's Objective 2, until additional outside funding is secured. This work item is a priority effort of all workgroups (i.e., habitat loss, living resources, water quality, hydrological modifications, human uses, and education). It is anticipated that this work item will require at least three (3) years of effort with additional funding for each year. It is required that each of these objectives be accomplished within the framework of the Mobile Bay NEP DIMS. Efforts will be made to coordinate the project with any other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated.

SAV Objectives:

1. Determine the current distribution and areal coverage of SAV habitats in the Mobile Bay NEP area where data is lacking or needed (Year Two Item). **NEP funds**
2. Deliver this information in GIS and a standardized database format into the Mobile Bay NEP DIMS. **NEP funds**
3. Identify four (4) potential restoration sites and assess the feasibility of restoring these sites by type, cost, and time and difficulty of implementation. **NEP funds**
4. Recommend methods for restoration of these sites. **NEP funds**
5. Rank and recommend restoration projects, based on feasibility criteria, for demonstration of restoration method. **NEP funds**

Non-Regulated Wetland's Objectives:

1. Define wetland habitats, functions, and activities that are not currently regulated and, therefore, do not undergo any permitting process. **ADECA Coastal Programs**
2. Determine status and trends: Quantify the extent of wetland's loss or conversion within the Mobile Bay NEP study area by habitat type, watershed, and cause. **NEP plus outside funds**
3. Produce a GIS map layer and attribute file portraying the above information. *NEP plus outside funds*
4. Develop specific recommendations to alleviate the loss of wetlands within the confines of the Mobile Bay NEP. **ADECA Coastal Programs**

Regulated Wetland's Objectives:

1. Determine the extent and cause of cumulative loss of beneficial wetland within the Mobile Bay NEP area. **Outside funds**
2. Develop baseline information on the level of wetland functions within individual watersheds (as prioritized by the Mobile Bay NEP Management Conference) in Mobile County (similar to the ADID project in Baldwin County). **Outside Funds (assistance in obtaining \$50K committed)**
3. Establish the threshold acreage needed to sustain baseline wetland functions within individual watersheds of the Mobile Bay NEP. **This objective will require considerable*

*outside funding, beyond that noted above, and, therefore, is not anticipated to be accomplished in FY 00**

4. Produce a GIS map layer and attribute file portraying the above information. **NEP plus outside funds**
5. Examine the effectiveness of existing wetlands' regulations (e.g., enforcement, understandability, meaningful penalties, etc.). **ADECA Coastal Programs**
6. Develop specific watershed management recommendations to alleviate the loss of wetlands' functions for individual watersheds within the confines of the Mobile Bay NEP. **ADECA Coastal Programs**

Non-regulated and Regulated Wetland's Objectives:

1. Identify existing (including altered or degraded) wetland sites within the Mobile Bay NEP study area by type, status, and location. **NEP plus outside funds**
2. Produce a GIS map layer and attribute file portraying the above information. **NEP plus outside funds**
3. Identify four (4) potential restoration sites and assess the feasibility of restoring these sites by type, cost, and time and difficulty of implementation. **Outside funds**
4. Recommend methods for restoration of these sites. **Outside funds**
5. Rank and recommend restoration projects, based on feasibility criteria, for demonstration of restoration method. **Outside funds**
6. Develop outreach materials. **Public participation funds**

Project Deliverables and Schedule:

TBD

2.2 Assessment and Modeling of Priority Water Quality Parameters for the Mobile Bay NEP Study Area

Performing Organization:	Tetra Tech, Inc.¹
Principal Investigator:	Mohammed Lalou
FY 01 Funding:	\$ 0
NEP Funding:	\$155,000 (NEP FY 00 & Prior Years)
Outside Funding:	?
Total Funding:	
Priority Problem:	Water Quality, Hydrologic Modifications
MBNEP Project Coordinator:	Scientific / Technical Coordinator
Designated Reviewer:	TAC

The development of hydrodynamic and water quality model(s) for understanding the Mobile Bay estuarine system is crucial to a comprehensive watershed approach to water quality management. Modeling allows regulators and managers to focus on the most critical issues impacting the Mobile Bay NEP study area, thereby reducing the cost of regulation, monitoring, management, and enforcement. The establishment of total maximum daily loads (TMDLs) and the watershed's assimilative capacity is important in determining the impacts of long-term growth.

¹During Year Three a workplan item was initiated with the award of a contract to Tetra Tech, Inc. in the amount of \$115,000. Thirty-five thousand dollars of this contract remains to be expended during Year Four of the program

The Year Three workplan item identified the following objectives:

- Development of a preliminary loadings budget using existing data and including total suspended solids, nutrients, and toxins.
- Quantification of contributions from point source discharges.
- Quantification of contributions from upstream river flow.
- Quantification of contributions from non-point source discharges (including septic systems).
- Quantification of contributions from bay sediments.
- Development of a mathematical model capable of predicting water quality parameters and sediment deposition and movement based on modification in point and non-point source loadings.
- Refinement of the budget and models using water quality assessment data.

Year Five workplan element 2.2 is a continuation of the Year Three (FY 99) and Year Four (FY 00) workplan item and will be focused on building upon Year Three modeling efforts. Year Five efforts will include completing the development of the Bay model water quality component and linking this component to the watershed model. Efforts will also include refining and running the model to address selected questions and issues from Year Three. All work will entail continued coordination and involvement by all interested stakeholders. This project is a priority effort of the water quality and hydrological modifications' workgroups. It is required that each of these objectives be accomplished within the framework of the Mobile Bay NEP Data and Information Management System

(DIMS). Efforts will be made to coordinate the project with other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated.

General Project Objectives:

1. Continue water quality assessment and modeling efforts as necessary.

Project Deliverables and Schedule:

TBD

2.3 Land Use Planning Effort

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$0
Total Funding:	\$10,000 (currently unfunded)
Priority Problem:	All
MBNEP Project Coordinator:	Scientific / Technical Coordinator
Designated Reviewer:	TAC

As determined in the third year of CCMP development, major contributors to water quality degradation, erosion, and habitat loss in the Mobile Bay NEP area are unplanned urban and/or suburban growth. The problem can be defined as increasing habitat fragmentation (i.e., loss of corridors and riparian buffers) due to incompatible federal and state policies regarding growth management, inconsistent zoning and land use regulations, removal or reduction of buffering functions, and the lack of enforcement power for existing regulations and/or ordinances. This problem relates not only to loss of habitat but also to water quality and living resources issues. An examination of existing federal, state, and local regulations, legislative limitations and / or provisions, other states' plans, and relevant scientific information during the third of CCMP development produced recommendations to aid Mobile and Baldwin counties with their respective land use management plans. This workplan item is designed to coordinate efforts among relevant agencies, organizations, and others for implementation of those land use planning recommendations (to include greenbelt and/or greenway strategies). Due to similar missions, goals, and objectives, work on this effort has been and will continue to be closely coordinated with ADECA and ADEM to avoid duplication and to maximize resources. This study is a priority effort of the water quality, habitat loss, living resources and human uses' workgroups. Efforts will be made to coordinate the project with any other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated. This item may be accomplished through partnership with other agencies or use of other institution's data sources.

Project Objectives:

1. Aid in facilitation of a planning task force of appropriate county, city, state, federal officials and the private sector representatives (to include meeting logistics and support).
2. Facilitate the implementation of planning strategies.
3. Coordinate efforts to implement specific recommendations for the design and implementation of consistent, enforceable, countywide land use management (including sound planning and widespread, diverse education) as determined in the Year Three (FY99) Land Use Planning Effort workplan item.
5. As appropriate, deliver this information into the Data and Information Management System of the Mobile Bay NEP.

Project Deliverables and Schedules: TBD

2.4 Atmospheric Deposition Monitoring Support

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$ 0
Total Funding:	\$56,430 (\$42,080 NEP FY 00)
Outside Funding:	\$14,350 – Additional State / Local Funds (committed per year for next four years)
Priority Issues:	Water Quality and Living Resources
MBNEP Coordinator:	Scientific / Technical Coordinator
MBNEP Designated Reviewer:	MBNEP Management Conference

The Mobile Bay National Estuary Program (NEP) has determined the need for a National Atmospheric Deposition Program (NADP) National Trends Network (NTN) monitoring site and a Mercury Deposition Network (MDN) monitoring site. The Mobile Bay community has requested more monitoring of atmospheric deposition due to concerns about increased macrophytic algal blooms along the Mobile Bay I-10 "bay way" and an increase in mercury fish advisories on several rivers and Gulf Coastal waters. Existing information gathered for these areas indicates non-point sources and data from these monitoring sites could assess the amount of loadings from the atmosphere. These data will be used in the Mobile Bay NEP's EFDC water quality modeling effort (currently under contract with Tetra Tech, Inc.) and EPA's REMSAD modeling effort. The water quality model will be used in TMDL assessments and subsequent permitting processes and non-point source control plans by the Alabama Department of Environmental Management (ADEM) and EPA. Several action plans in our draft Comprehensive Conservation and Management Plan require these data for implementation. In addition, the Greater Mobile Area Chamber of Commerce has expressed interest in using these data in future planning and management activities.

EPA has awarded the Mobile Bay NEP funding for atmospheric deposition monitoring. In addition, the Air Division of ADEM has committed time and effort in sampling, analysis and maintenance of these sites. A memorandum of agreement will be developed for each committed agency / organization to ensure maintenance of the site. This project is a priority effort of the water quality and living resources' workgroups. It is required that each of these objectives be accomplished within the framework of the Mobile Bay NEP Data and Information Management System (DIMS). Efforts will be made to coordinate the project with other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated.

Specific objectives:

1. Maintain the monitoring sites to include sample collection and analysis according to standard protocols.
2. Report analyses' results on a prescribed basis to EPA, ADEM, the general public, and any other appropriate agency.
3. As appropriate, deliver this information into the Data and Information Management System of the Mobile Bay NEP.

Project Deliverables/Schedule: TBD

2.5 GIS and Web Site Maintenance and Continued Development

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$22,500
Total Funding:	TBD
Outside Funding:	TBD
Priority Problem:	All
MBNEP Project Coordinator:	Scientific / Technical Coordinator
Designated Reviewer:	TAC

Information that is easily understood and user-friendly is vital to the Mobile Bay NEP Data Information and Management System (DIMS). Geographic information systems (GIS) are visual and meet these criteria. Not only does this informational tool prove useful to scientists but also to the general public for conceptual understanding. The purpose of this work item is to continue maintenance and development of the Mobile Bay NEP's GIS and web site. This project is a priority effort of all workgroups (i.e., habitat loss, water quality, hydrological modifications, living resources, human uses and education). Efforts will be made to coordinate the project with other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated.

Project Objectives:

1. Maintain and update the Mobile Bay NEP web site on at least a monthly basis.
2. Maintain and continue development of the Mobile Bay NEP GIS as information becomes available.
3. Identify Data Management needs and assess methods/organizations and/or tools needed.
4. Initiate planning for Data Management associated with Environmental Monitoring.

Project Deliverables and Schedule:

TBD

2.6 Monitoring Program Implementation

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$ 0
Total Funding:	\$75,000 (NEP FY 00)
Priority Issues:	All
MBNEP Coordinator:	Scientific / Technical Coordinator
MBNEP Designated Reviewer:	MBNEP Management Conference

The results from the monitoring plan to be developed as a required CCMP component of the Year Three and Four work plans will address the following: 1) measure effectiveness of management actions and programs implemented under the CCMP; 2) provide essential information to be used to redirect and refocus the CCMP during implementation; and 3) provide accountability to elected officials and the public relating to progress under the CCMP. Prior to this effort the Mobile Bay NEP adopted a comprehensive monitoring strategy developed by a volunteer group as a starting point. The monitoring plan being developed in Year Three and Four will clearly state objectives, establish linkages among participants, and provide flexibility to adapt to new knowledge or changing conditions. A detailed scope of work is not possible until the results of the monitoring plan contract are available. It seems clear, however, that implementation of these recommendations will require extensive communication with participating agencies, expertise in data management and analysis, and the ability to synthesize complex data into an easily understood format. It is required that each of these objectives be accomplished within the framework of the Mobile Bay NEP DIMS. Efforts will be made to coordinate the project with other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated.

General Project Objectives:

1. Coordinate existing agency data gathering efforts.
2. Maintain a centralized data storage system for use of examination trends in "environmental indicators" and "action indicators."
3. Develop and maintain a feedback mechanism to make information available and understandable to agencies, public officials and the general citizenry.
4. Facilitate any additional data gathering, as necessary.

Project Deliverables and Schedules:

TBD

2.7 Monitoring Program Plan

Performing Organization:**Principal Investigator:****Mr. Tom Hutchings****FY 01 Funding:****\$ 0****Total Funding:****\$63,858 (NEP FY 00)****Priority Problem:****All****MBNEP Project Coordinator:****Scientific / Technical Coordinator****Designated Reviewer:****TAC**

The MBNEP has adopted a previously developed Comprehensive Monitoring Strategy as a starting point for the MBNEP Monitoring Program Plan. This effort has involved the following approaches: interagency cooperation, agency/industry cooperation, volunteer monitoring, and a data management system. To date, the interagency approach has been developed and initiated and a volunteer monitoring coordinators' group has been formed. The data management system is to be incorporated into the MBNEP Data and Information Management System.

A contract was awarded to Hutchings & Associates, LLC in Year Three of the Program in the amount of \$63,858. A new University of South Alabama contract was put in place during Year 4. All of the obligated monies will be expended in Year Four of the Program.

Specific objectives to be accomplished include:

1. Develop a monitoring plan for fecal coliform in public swimming areas.
2. Develop a monitoring plan specifically dealing with harmful algal blooms.
3. Refine and continue to develop the monitoring strategy to include details such as testable hypotheses, an environmental indicator system, cause and effect analyses, and a timetable for analyzing data and assessing program performance.
4. Develop a communications strategy to make information readily available and understandable to public officials and the general citizenry. This strategy should include an interface with and access through the MBNEP DIMS.
5. Develop a monitoring plan summary to be included in the CCMP, including a requirement for annual reporting on progress.

Project Deliverables and Schedule:

Project Workplans.....	30 Days
Progress Reports.....	Midterm
Draft Report	120 Days
Final Report	180 Days

2.8 Sediment Characterization Analysis

Performing Organization:	Woolpert, LLP
Principal Investigator:	Mr. William Spearman
FY 01 Funding:	\$ 0
Total Funding:	\$37,500 (NEP FY 00)
Outside Funding:	\$0
Priority Problem:	All
MBNEP Project Coordinator:	Scientific / Technical Coordinator
Designated Reviewer:	TAC

The MBNEP preliminary characterization of water quality has identified a lack of sediment data analysis and understanding for the MBNEP study area. In addition, EPA, through its National Sediment Quality Survey (NSQS), designated the Mobile Bay hydrologic unit as an "Area of Probable Concern" with respect to sediments. The Alabama Department of Environmental Management, in its ALAMAP-C report for 1993-94, characterized certain locations as having moderate to poor sediment quality. The EPA NSQS data set appears dated and limited in comparison to information sources identified in the water quality characterization study. Therefore, uncertainty remains in our understanding of the condition of sediments in Mobile Bay.

Sediment quality has been identified by citizens and scientists as issues of concern for the MBNEP. If certain areas are identified as having poor sediment quality, then steps to identify probable causes and possible health risks associated with these sediments should be undertaken. All work should be closely coordinated with the MBNEP Data and Information Management Systems (DIMS) and a MBNEP Peer Review Technical Subcommittee will guide this process.

A contract in the amount of \$50,000 was awarded to Woolpert, LLC in Year Three of the Program. Of that obligation, \$37,500 remains to be expended during Year Four.

Project Objectives:

1. Expand the EPA National Sediment Inventory database to include all available relevant data.
2. Assess the data quality of the aforementioned data, including the EPA National Sediment Inventory database.
3. Attempt trends analysis on existing data, if feasible.
4. Determine the need for additional data to perform an overall evaluation of the status of Mobile Bay sediment quality.
5. If necessary and feasible, develop a program to determine probable causes of contamination and possible health risks associated with poor sediment quality.
6. Prepare a status report for EPA that describes the project, presents information on cost and effectiveness, suggests improvements to the approach based on lessons learned, the start and end date of the project, the recipient or entity conducting the work, and identify a point of contact for further information.

Project Deliverables and Schedule:

Project Workplan.....	30 Days
Progress Reports.....	Midterm
Draft Report.....	120 Days
Final Report.....	180 Days

2.9 Shellfish Grant Activities

Performing Organization:	Auburn University Marine Extension Research Center
Principal Investigator:	Mr. Rick Wallace
FY 01 Funding:	\$0
Total Funding:	\$65,560 (GOMP) Year Three and Four
Priority Problem:	All
MBNEP Project Coordinator:	Scientific / Technical Coordinator
Designated Reviewer:	TAC

As part of a grant to the MBNEP from the Gulf of Mexico Program, a contract was awarded to AUMERC in the amount of \$65,560 for a survey and research program to explore the potential for enhancing or re-establishing oyster reefs in Bon Secour Bay, Alabama. The goal of the project is to determine the density and size structure of oysters on Fish River Reef relative to historical surveys and to determine if low oxygen (hypoxia) is a major constraint to restoring Fish River Reef.

Project Objectives:

1. Assess the current status of the Fish River Reef oyster population
2. Monitor growth and survival of oysters planted on bottom and on shell pads 8 and 16 inches above the bottom.
3. Monitor temperature, salinity and oxygen levels 8 and 16 inches above the bottom.
4. Monitor currents at the site at selected intervals.

Project Deliverables and Schedule:

Project Work Plans.....	30 days or as needed
Progress Reports.....	Quarterly

2.10 Living Resources Data Synthesis/Analysis

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$0
Total Funding:	\$40,000 (NEP FY 00)
Priority Problem:	All
MBNEP Project Coordinator:	Scientific / Technical Coordinator
Designated Reviewer:	TAC

This work element will be based upon the recommendations from the Living Resources characterization study performed in Year Two of the Program. An example of a possible recommendation is to perform fish population status and trends analyses on existing data sets. The results from this work element may be useful in the refinement of the monitoring plan and will provide the groundwork for any future priority action of the CCMP for maintenance and wise stewardship of the living resource base of the Mobile Bay estuarine system. This study will be closely coordinated with the MBNEP Data Information and Management System. Efforts will be made to coordinate the project with other similar, ongoing programs and projects to build upon and ensure that efforts are not duplicated.

Project Objectives:

TBD

Project Deliverables and Schedule:

TBD

2.11 Advanced Program Demonstration Projects

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$ 0
Total Funding:	\$48,615 (NEP FY 00)
Outside Funding:	STBD
Priority Problem:	All
MBNEP Project Coordinator:	TBD
Designated Reviewer:	TAC, CAC

The year 4 and this workplan includes the completion of advanced program demonstration projects (APDPs) funded by EPA in previous year grants. The Year Five will continue these activities. These projects must demonstrate activities that are being considered for implementation through the CCMP for the Mobile Bay National Estuary Program. The projects to be initiated will be identified through a cooperative effort of the citizens and technical committees and will be approved by the Management Conference.

Project Objectives:

TBD

Project Deliverables and Schedule:

TBD

3.0 Public Participation and Education Strategy

The Year Five (FY 01) Workplan includes development of the Comprehensive Conservation and Management Plan. Successful development of the CCMP requires a sound Public Participation and Education program. Public information is required by EPA mandate, included in Management Conference consensus action items and recognized in nearly every action plan.

The primary environmental issues for the Mobile Bay area, Habitat Loss, Hydrological Modifications, Living Resources, Human Uses, Water Quality and Public Education, were identified through public workshops in Mobile and Baldwin counties in the summer of 1996 and refined by more than two years of Management Conference consideration.

Each of these issues requires Public Participation and Education effort as outlined in the Action EPI-2 Supplement. Communication and public outreach will keep Mobile Bay NEP participants informed of the wide variety of activities resulting from CCMP development. Media coverage and public support are dependent on a sound program of Public Participation and Education.

The Action Item EPI-2 Supplement specifically names several action items requiring specific public outreach support.

Water Quality

Ballast discharge
Recreational & commercial waste
Inadequate on-site septic tanks
Constructed wetlands
Groundwater
Erosion & sedimentation

Coastal construction line
Introduced or exotic species

Living Resources

Endangered & threatened species
Harvesting regulation & enforcement

Habitat Loss

Greenbelts & riparian corridors
Best Management Practices
Wetlands
Feeding, breeding & nesting
Bird habitats
High priority, critical habitats
SAV habitats
Marsh habitats

Human Uses

Airborne deposition
Redevelopment
Sustainable development
Land use planning
Litter
Public Access
Camping & recreational
Land Use
Stormwater management
Water conservation

It is also likely that the Hydrological Modification issue will require some form of public outreach. Each of the actions listed above call *specifically* for at least one aspect of the Public Participation and Education program.

By cooperating with the Public Outreach Taskforce, CAC, ADECA Coastal Programs and others, a variety of communications tools will be available to reach the CCMP goals.

Existing outreach efforts, including press releases, newspaper articles, Citizens Advisory Committee activities, workshops, public speaking and other activities will be expanded to include additional public outlets. Specific target audience members will include:

1. Specific groups with environmental interest or influence
 - Industrial and commercial sites
 - Real estate developers
 - Federal, state and county environmental agencies
 - Municipal government officials (Mayors, City Councils, County Councils)
 - Municipal employees (water treatment, wastewater, garbage disposal, landfills, building inspectors, highway construction and maintenance, etc.)
 - Chambers of Commerce
 - Contractors and builders
 - Golf Courses
 - Geographic environmental groups (Dog River CWR, Mobile Bay Watch, etc.)
 - General environmental groups (Audubon Society, Sierra Club, etc.)
 - Environmental action committees (Prichard Brownfields, Ozone Non-Attainment, Eastern Shore C of C Environmental Committee, etc.)
 - Professional organizations (American Society Hazardous Materials Managers, Certified Environmental Trainers Association, etc.)
2. Civic clubs and social organizations
3. Public and private schools
4. Media
5. General public with no specific self-interest

Outreach efforts for Year Five include the publication and distribution of the CCMP, continuation of the expanded monthly calendar, television and radio efforts. One important element is the implementation of Local Community Initiatives. The LCI program is designed to inform the public of the Comprehensive Conservation and Management Plan and generate support for the CCMP and environmental issues in general.

Elements of the Public Participation and Education work plan will include broad support for listed action plans as well as the following activities:

1. Participation on environmental action committees (local and state level)
2. Participation in civic and professional organizations
3. Expanded calendar to targeted audience
4. Fact sheets
5. Site visits by Program Office personnel
6. Presentations by Program Office personnel
7. Presentation by speakers bureau
8. Distribution of grade-specific educational material
9. Site visit by trained personnel to area schools
10. Organization and presentation of educational workshops

11. Participation in area, state and national workshops
12. Press conferences and press releases to media
13. Public meetings (Local Community Initiatives)
14. Program Office publications in Year Four will include:
 - Comprehensive Conservation and Management Plan (final draft and distribution)
 - CCMP Executive Summary (continuing distribution of Year 3 (FY 99) publication)
 - Stakeholder Report (continuing distribution of Year 3 publication)

Goals and objectives for Public Participation and Education are established by the Management Committee and supported by the Citizen's Advisory Committee. Three goals highlight the public participation and education program:

1. To educate targeted audiences and the general public regarding the history, function and activities of the Mobile Bay National Estuary Program
2. To involve the community in activities that affect Mobile Bay and to address the priority issues and action plans established by the Comprehensive Conservation and Management Plan
3. To encourage community participation in the Comprehensive Conservation and Management Plan

Community participation represents a large element of the overall Public Participation and Education Strategy. Existing public participation efforts will continue to be supported. Examples of existing public participation include local chapters of national organizations such as the Audubon Society and the Sierra Club. The Mobile Bay NEP entertains APDP grant proposals, speaks at special events and attends meetings of these groups. Also, more local, watershed-based environmental organizations exist such as the Dog River Clear Water Revival and the Friends of the Tensaw River. Existing municipal environmental groups include the Prichard Brownfields Restoration Group, the Mobile Chamber of Commerce Ozone Task Force and the Eastern Shore Chamber of Commerce Environmental Committee. Mobile Bay NEP staff attends and participates in these and other groups.

Mobile Bay NEP has participated in the organization of environmental efforts including the Fly Creek Restoration group and the Magnolia River Property Owners group.

The Local Community Initiatives will allow for even greater public participation, especially in areas that relate directly to the CCMP. A full LCI implementation plan, including immediate and long-term community participation is being developed. All of the following work plan items support the Public Participation and Education Strategy (PPES), item 3.0.

Year Five Public Participation and Education Workplan Items

- 3.1 CCMP Communication Plan
- 3.2 Local Community Initiatives
- 3.3 Communication Plan For Monitoring & GIS/DIMS
- 3.4 Newsletter
- 3.5 CCMP Implementation
 - 3.5.1 Fact Sheets
 - 3.5.2 Highway/Roadside Communication
 - 3.5.2 Highway/Roadside Identification
 - 3.5.3 Short Video
 - 3.5.4 Long Video
 - 3.5.5 Radio Advertisements
 - 3.5.6 Workshops
 - 3.5.7 Trade Shows & Public Display
- 3.6 Speakers Bureau
- 3.7 Mobile Bay Earth Day/Bayfest Events
- 3.8 Storm Drain Stenciling APDP
- 3.9 Local Community Initiative Minigrants

3.1 CCMP Communication Plan

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
FY 01 Funding:	\$0
Total Funding:	\$5,000
Priority Issues:	All
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	Management Conference

Distribution of the final copy of the Comprehensive Conservation and Management Plan will be modeled on efforts to distribute the first draft, which occurred in Y3. Distribution and public communication efforts of the final CCMP will include but not be limited to:

- CCMP Signing Ceremony
- Press conference
- Press releases
- Placement of paper copy in libraries
- Placement of paper copy in Universities and Colleges
- Placement of paper copy in area agencies
- Broad distribution by mail to targeted recipients
- Inclusion on Mobile Bay NEP website
- Links to other selected websites
- Information campaign to selected business and industry
- Local Community Initiatives *

Project Objectives:

1. To effectively and completely distribute the final CCMP to all targeted audience.
2. To effectively publicize the final CCMP in the local media.
3. To effectively place paper copies of the final CCMP at targeted locations.

Project Deliverables And Schedules:

Publicize final CCMP.....	3rd Quarter FY01
Distribute final CCMP	4th Quarter FY01
<i>Estimated mailing expense, 4th class book rate = 3 pounds / \$2.08 x 1,100 = \$2,500 +/-</i>	
CCMP Signing Ceremony.....	Upon Final Publication
<i>Estimated space rental, gifts, blow-up copies, etc. = \$2,500 +/-</i>	
Conduct community meetings.....	3rd Quarter FY01*

** This item is dependent on CCMP publication and distribution dates and is fully covered in 3.2*

3.2 Local Community Initiatives

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
FY 01 Funding:	\$15,000
Total Funding:	\$22,500 (\$7,500 NEP FY 00)
Priority Issues:	All
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	Management Conference

To promote the Mobile Bay NEP and the action items included in the draft and final CCMP, the Program Office will develop a Local Community Initiatives program. These initiatives will build local support for the CCMP by featuring action items addressing local concerns. The first round of Local Community Initiatives will be practiced with the publication of the first draft of the CCMP. Like the draft CCMP, revisions to the Local Community Initiative efforts are expected. This work plan addresses the final round of revised Local Community Initiatives. The Local Community Initiatives are designed to comply with EPA mandates requiring public notice, to inform and educate the public about the CCMP and to solicit and encourage public support for the CCMP.

Specific local communities have been identified based on subwatershed data. The Public Outreach Coordinator, with key members of the local community, other local agencies and ADEM will conduct two rounds of at least one meeting in each of the ten subwatersheds. The first round will be conducted with the draft CCMP. The critical final round of LCI presentations will occur after publication of the final CCMP.

The Mobile Bay NEP staff will identify and invite potential responsible parties and community thought leaders to the LCI meetings. The general public will be included in the LCI meetings by public notice, advertising and other methods of communication.

Project Objectives:

1. To inform local leaders and general public about CCMP.
2. Identify CCMP issues of concern and related action plans relevant to each watershed area.
3. Identify CCMP action items beyond the scope of subwatershed control, thereby highlighting the need for cooperation and collaboration.
4. Generate support for CCMP from local communities with goal to obtain commitments for funding and implementation of specific action items.
5. Identify mechanisms for continuing involvement of the local community.
6. Implement mechanisms to promote continued active involvement of the community.

Project Deliverables and Schedules:

Revise local community identity and data base	2nd Quarter FY 01
<i>Database research, purchase and printing = \$2,500 +/-</i>	
Revise white paper on each local community.....	2nd Quarter FY 01

Community research and preparation/printing of paper = \$2,500 +/-
Conduct community meetings.....2nd Quarter FY 01 *
Presentation materials tailored to specific community, enlargements = \$2,500 +/-
Contract support for CCMP/watershed outreach activities1st Quarter FY01
Contract support of \$15,000
** This item is dependent on CCMP publication and distribution dates*

3.3 Communication Plan For Monitoring & GIS/DIMS (EPI-3)

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
Total Funding:	Included in 2.6
Priority Issues:	All
MBNEP Coordinator:	MBNEP Data Coordinator
MBNEP Designated Reviewer:	CAC & TAC

The development of a monitoring plan is a required component of the CCMP. One element of the Public Participation and Education Strategy is to support the monitoring program by communicating the monitoring and monitoring results to the public. The monitoring program and the communication program will create awareness about the Mobile Bay NEP and the implementation of CCMP action plans.

The monitoring program will include cooperation with all existing monitoring efforts. In addition to cooperation with existing monitoring programs, efforts will be made to identify additional monitoring opportunities and to establish new citizen monitoring programs.

An important communication tool for this program will be the Data and Information Management System. The DIMS will allow water quality and living resources data to be compiled and made accessible to a wide range of individuals. Anticipated users will range from policy makers and agency representatives to citizens and students. Users will also include groups outside of the defined NEP boundaries who are interested in the Mobile Bay NEP effort. The DIMS will allow the Mobile Bay NEP to serve as a clearinghouse for citizen concerns.

This program will support efforts to educate citizens about reportable violations and the proper reporting methods for various agencies.

Project Objectives:

1. Communicate ongoing monitoring efforts to the public.
2. Develop a DIMS Users Guide to facilitate public understanding and access to the monitoring program and monitoring results
3. Communicate to target audiences and the public the wide range of living resource and water quality data available through the World Wide Web.
4. Develop additional support materials such as slide presentations added to the Speakers Bureau inventory, charts displaying GIS/DIMS capabilities and grade specific materials relating directly to GIS/DIMS for area teachers to use.

Project Deliverables:

Communicate ongoing monitoring efforts to the public.....2nd Quarter FY01
Conduct GIS/DIMS-specific training workshops for public.....Quarterly
Workshop educational materials, speakers fees, workshop promotion = \$1,500 +/-
Develop & print DIMS User Guidebook.....2nd Quarter FY01
Estimated 12 page, 8 1/2 x 5 1/2, stapled, soft cover, 500 copies = \$2,500 +/-
Develop teacher materials.....3rd Quarter FY01

Estimated one-page, bi-fold brochure for teachers & students = \$1,000
Additional support materialsOngoing

3.4 Newsletter and Expanded Calendar

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
FY01 NEP Funding:	\$6,000
Total Funding:	\$10,500
Outside Funding:	\$4,500 ¹
Priority Issues:	All
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC

The Mobile Bay NEP will continue joint efforts with the Alabama Department of Economic and Community Affairs and the Alabama Coastal Foundation to publish four issues of the Coastal Connection newsletter during the program year. Each issue will contain highlights of Mobile Bay NEP activities, especially regarding implementation of the CCMP.

Project Objectives:

1. Continue to expand and maintain joint mailing list.
2. Identify existing newsletters and work to include MBNEP articles.
3. Solicit topics from Management Conference and other sources.
4. Print and distribute four quarterly newsletters.
5. Print and distribute expanded calendar.
6. Use post-consumer recycled paper and bio-degradable inks

Project Deliverables:

Help produce and distribute Coastal Connections newsletter.....Quarterly
Mobile Bay estimated cost share @ \$500/qtr = \$2,000 +/-

Special editions of Coastal ConnectionsAs Warranted
Mobile Bay estimated cost share = \$1,000 +/-

Create and distribute expanded calendar.....Monthly
Printing @ \$250 x 12 = \$3000+/-

¹ A Memorandum of Agreement between the Mobile Bay National Estuary Program, ADECA Coastal Programs and the Alabama Coastal Foundation includes commitments from ACF and ADECA to pay specific costs related to the production of the Coastal Connections newsletter.

3.5 CCMP Implementation (EPI-2 Supplement)

Performing Organization:	TBD
Principal Investigator:	N/A
Total Funding:	See Combined Estimates
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

To support the CCMP action items that require Public Participation and Education components, a variety of communication tools must be available to the Mobile Bay National Estuary Program. By cooperating with the Public Outreach Taskforce, CAC, ADECA Coastal Programs and others, several existing methods of communications will be available. However, some communications tools must stand alone as features to support the implementation of the CCMP and specific CCMP action items.

The following 3.5 sub-items are for the specific means of communications listed and for the amounts of communications listed. Obviously, full attention to each specific action item requiring Public Participation and Education efforts (please see 3.0 or Action Item EPI-2 Supplement) is impractical. For instance, a separate video or audio campaign for each of the 30 +/- items listed is impractical. Therefore, decisions must be made regarding content and placement of the following communication tools.

3.5 1 CCMP Implementation (EPI-2 Supplement) – FACT SHEETS

Performing Organization:	TBD
Principal Investigator:	N/A
FY 01 Funding:	\$0
Total Funding:	\$2,500 (NEP FY 00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

Fact sheets will be developed to provide a more detailed explanation of issues concerning the environment and the goals of the Mobile Bay NEP. The Fact Sheets will enhance understanding and awareness of priority issues. The Fact Sheets will include a map of the study area, emphasizing the area featured, as well as a synopsis of the Mobile Bay NEP activities for readers who may not have seen other Mobile Bay NEP materials. The combined efforts of both the TAC and CAC will help ensure an effective message. This task includes graphic development.

Project Objectives:

1. Design and print 2-color, 8 ½ x 11, 2-sided fact sheets.
2. Use post-consumer recycled paper and bio-degradable inks

Project Deliverables:

Design and print Fact Sheets..... As Warranted
2,000 @ \$250 / run x 10 Fact Sheets = \$2,500 +/-

3.5.2 CCMP Implementation (EPI-2 Supplement) – HIGHWAY COMMUNICATION

Performing Organization:	TBD
Principal Investigator:	N/A
FY 01 Funding:	\$15,000
Total Funding:	\$15,000
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

Billboard placement is available on a Public Service Announcement basis like radio and television. The responsibility to the advertising party is to create and make available a printed billboard cover that can be used when billboards become available for PSA use.

EPA guidelines are specific about billboard usage with regard to visual pollution. Billboards are NOT prohibited by EPA guidelines.

The reusable billboard covers should be capable of installation and removal as many as 15 times giving the Mobile Bay NEP 30 possible exposures. To qualify as a Public Service Announcement, the exposure times and locations are dependent upon available space.

Metal road signs announcing the Mobile Bay NEP study area can be placed at strategic locations along highways and roadways entering the study area. Mobile County has agreed to provide the signs. The general promotion of the permanent signs will serve as a constant reminder to citizens entering the Mobile Bay NEP study area.

Project Objectives:

1. Design and print 2, reusable billboard covers with general Mobile Bay NEP/ CCMP data
2. Make the covers available to area agencies for use when signs are available for PSA
3. Design and print 10 permanent, metal roadsigns
4. Place the roadsigns on major highways entering Mobile Bay NEP study area

Project Deliverables:

Design and print reusable billboard covers.....1st Quarter FY 01
Approximate cost = \$2,500 +/-

Design and print permanent roadsigns.....1st Quarter FY 01
Approximate cost is \$250 each x 10 = \$2,500

3.5.3 CCMP Implementation (EPI-2 Supplement) – SHORT VIDEO

Performing Organization:	TBD
Principal Investigator:	N/A
FY 01 Funding:	\$0
Total Funding:	\$2,500 (FY 00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

Year Three efforts proved that accomplishing a professional 30-second short video for use in public service announcements is difficult to accomplish for free. The value of a general, informative short video is apparent in the broad range of attention that can be gained by television distribution. A short, 30-second video can be offered to all local television stations for use as a public service announcement. Also, the short format will allow the video to be used if specific advertisements are placed, either by the Mobile Bay NEP or a sponsoring business or agency.

Project Objectives:

1. Create two 30-second video Public Service Announcements
2. Distribute the PSA's to local TV stations

Project Deliverables:

Create 30-second videos.....2nd and 3rd Quarters FY 01
Approximate cost = \$1,250+/- each = Approximately \$2,500 +/-

3.5.4 CCMP Implementation (EPI-2 Supplement) - VIDEO

Performing Organization:	TBD
Principal Investigator:	N/A
FY 01 Funding:	\$0
Total Funding:	\$10,000 (NEP FY 00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

Attention to well-produced video materials is proven. The Mobile Bay NEP will benefit from having a professional video presentation available for public viewing. A 10 or 12 minute long video highlighting the Mobile Bay NEP will contribute to the success of the total CCMP distribution and implementation. The video can be available for showing at all public speaking engagements, as a preview to Local Community Initiative meetings and for use by Management Conference members and the Mobile Bay NEP Speakers Bureau. The video will also be available for public presentation as a public service announcement or as a paid placement, either by the Mobile Bay NEP or a sponsoring business or agency.

The lowest estimates of production cost are about \$1,000 per minute of video. Some production concerns may offer matching services to help hold down Mobile Bay NEP costs.

Project Objectives:

1. Create one 10 - 12 minute informational video
2. Distribute the video

Project Deliverables:

Create video.....2nd Quarter FY 01

Approximate cost = \$10,000 +/-

3.5.5 CCMP Implementation (EPI-2 Supplement) - NEWSPAPER ADS

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
FY 01 Funding:	\$0
Total Funding:	\$1,500 (NEP FY 00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

Newspaper advertisement pays for newspapers. Press releases and public service announcements are free placements but some control of location, content and timeliness is lost when no fees exchange hands. Furthermore, special editions and inserts are often bargain advertisement purchases. 120,000 view the *Mobile Register* daily and the Gulf Coast Newspaper Network editions are viewed by about 30,000 twice weekly.

Project Objectives:

1. Be prepared to purchase small, specialty newspaper advertisement
2. Produce camera-ready ads

Project Deliverables:

Advertisements..... As needed

Approximate cost = \$150 each x 10 = \$1,500 +/-

3.5.6 CCMP Implementation (EPI-2 Supplement) - RADIO PRESENTATION

Performing Organization:	TBD
Principal Investigator:	N/A
FY 01 Funding:	\$0
Total Funding:	\$1,500 (NEP FY 00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

Radio advertisement and Public Service Announcements are some of the most widely distributed of all promotional materials. The Mobile Bay NEP will benefit from having a series of professional audio presentations available for public use. A series of 30-second and 60-second audio tapes will be available for PSA play as well as serving for advertising spots paid either by the Mobile Bay NEP or a sponsoring business or agency.

Project Objectives:

1. Prepare radio PSA's and advertisement
2. Distribute and place PSA's and advertisement

Project Deliverables:

Advertisements..... As needed

Approximate cost = \$150 each x 10 = \$1,500 +/-

3.5.7 CCMP Implementation (EPI-2Supplement) - WORKSHOPS

Performing Organization: TBD

Principal Investigator:

N/A

FY01 Funding:

\$0

Total Funding:

\$2,000 (NEP FY 00)

Priority Issues:

As identified

MBNEP Coordinator:

MBNEP Staff

MBNEP Designated Reviewer:

CAC, TAC & MC

Workshops and educational seminars will be used to educate Mobile Bay stakeholders and others in this area. The Program Office will seek to coordinate with other organizations or agencies to host or co-sponsor these workshops. The workshops will be designed to seek input from the community and report the results to the Management Conference.

Project Objectives:

1. Prepare, organize and promote workshops
2. Conduct 4 workshops

Project Deliverables:

Workshop on specific CCMP support topic..... Quarterly

Approximate cost = \$500 each x 4 = \$2,000 +/-

3.5.8 CCMP Implementation (EPI-2 Supplement) – TRADE AND DISPLAY

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
FY01 Funding:	\$0
Total Funding:	\$2,000
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC, TAC & MC

Participation in trade shows and festivals provides regular exposure for Mobile Bay NEP and can serve as additional outlet for distribution of CCMP-related materials. Examples of shows and festivals attended during the 2nd and 3rd quarters of Y3 include home and garden shows, boat shows, women's shows, legislative delegation visit, environmental studies center and schools.

Project Objectives:

1. Prepare, organize and update trade display and hand-out materials
2. Attend 10 trade or informational displays during FY01

Project Deliverables:

Trade displays at specific events As needed

Approximate cost = \$200 each x 10 = \$2,000 +/-

3.6 Speakers Bureau

Performing Organization:	TBD
Principal Investigator:	N/A
FY01 Funding:	\$1,000
Total Funding:	\$1,500 (\$500 NEP FY00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC - TAC

The Speakers Bureau will reach a variety of grassroots organizations throughout the study area. Volunteers will be provided with presentation materials to accurately communicate Mobile Bay NEP goals to diverse audiences. Additional Speakers Bureau members will be recruited from the Management Conference to speak on specific issues.

Project Objectives:

1. Locate and contact target groups and solicit speaking engagements
2. Revise and update list of speakers for the Speakers Bureau
3. Identify underrepresented areas and recruit additional speakers
4. Incorporate new presentations as they become available
5. Report to Management Conference on effectiveness of Speakers Bureau
6. Produce quality program briefing and CD-ROM

Project Deliverables:

Generate speaking opportunities.....	Continuing
Track speeches, Q & A, and evaluations.....	Quarterly
Recognize speakers in publications.....	Continuing
Prepare and update necessary speakers materials	As needed
<i>Budgeted expense as needed for overheads, slides, display materials, handouts & CD-ROM</i>	

3.7 Mobile Bay Earth Day/Bayfest Events

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
FY 01 Funding:	\$1,000
Total Funding:	\$1,500 (\$500 NEP FY 00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC

Earth Day is a nation-wide environmental celebration. This workplan item will support implementation of the CCMP by communicating measures that will reach program goals. Participation will build on continued efforts to foster positive relationships with key environmental citizen organizations.

Additional Earth Week opportunities will be explored including possible participation in school functions, other environmental or agency public forums, workshops and more. A CAC subcommittee will coordinate Earth Day activities and make recommendations for participation in other events. This subcommittee will also work with the Program Office to conduct the year 2001 Stewardship Awards program.

BayFest is an annual fall event drawing thousands to downtown Mobile. Past events exposed Mobile Bay NEP to hundreds of families by participation in children's activity area.

Funds will be used to promote the Stewardships Awards and to support Earth Day activities such as possible tent rental, special signs and science fair awards.

Project Objectives:

1. Gain Mobile Bay NEP exposure by working with participating organizations to facilitate the annual event as well as other, related Earth Day events
2. Gain Mobile Bay NEP exposure through the Stewardship Awards program
3. Gain Mobile Bay NEP exposure participating in children's activity area during 3-day BayFest
4. Use the exposure to increase awareness of the Mobile Bay NEP and the CCMP while recognizing those individuals and groups who demonstrate support for CCMP principles

Project Deliverables:

Recruit CAC members to serve on subcommittee	1st Quarter
Review Stewardships Award program	1st Quarter
Earth Day	April, 2001
Stewardship Awards and Earth Day activities	2nd Quarter
BayFest	4th Quarter

Budgeted expense as needed for overheads, slides, display materials & handouts

3.8 Storm Drain Stenciling APDP

Performing Organization:	Auburn University Marine Extension & Research Center
Principal Investigator:	Mr. Rick Wallace
FY01 Funding:	\$0
Total Funding:	\$4,742 (NEP FY00)
Priority Issues:	Water Quality
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC

This APDP was awarded to AUMERIC in Year Three of the Program at a cost of \$5072. No funds were used in Year 4. Obligated funds in the amount of \$4,742 remain to be expended. The goal of the project is to raise the overall awareness of non-point source pollution with special emphasis on preventing pollution from entering water-bodies through storm drains. Expected completion is in Year 4.

Project Objectives:

1. Provide education on non-point source pollution.
2. Provide training, guidance and materials to groups who wish to undertake a storm drain stenciling project.

Project Deliverables and Schedule:

Deliverables include a 'Power Point' presentation, a storm drain stencil, and necessary supplies.

3.9 Local Community Initiative Minigrants

Performing Organization:	TBD
Principal Investigator:	TBD
FY 01 Funding:	\$12,660
Total Funding:	\$48,448 (\$35,788 NEP FY 00)
Priority Issues:	As identified
MBNEP Coordinator:	MBNEP Staff
MBNEP Designated Reviewer:	CAC

Minigrant project proposals will be solicited starting in July 2000 and will be due in October 2000. These projects must directly relate to the MBNEP study area. Each project will address at least one of the priority issue areas and facilitate public education about this issue and the environment of the MBNEP. The projects will address a specific technical question, a new management technique, or manage a known problem within the watershed. These projects will be selected through the Technical and Citizens Advisory committees and with the assistance of the rest of the Committees. Projects must be ready to begin at the time of the proposal and can be completed within six month's time. No matching funds are required.

Project Objectives: The description of the objectives and the benefits of each project will be included in each of the proposals.

Project Deliverables and Schedule

TBD

4.0 Management and Program Administration

The MBNEP Program Office works closely with all of the MBNEP Management Conference committees and answers directly to the Policy Committee (Figure 1). Task 4.1 will provide resources for the Program Office to continue program planning, development, implementation, evaluation, and reporting. Staff will 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:

- Prepare following year workplans and budgets;
- Prepare annual EPA Cooperative Agreement grant applications;
- Administer grants/contracts;
- Amend the Cooperative Agreement workplan as necessary;
- Monitor projects including coordination of workplans, progress reports, and draft/final reports with principal investigators;
- Coordinate project workplans and activities with other local, state and Federal agencies; and,
- Provide for overall Program coordination.

Program staff will participate in regional, state, and national conferences and meetings relevant to estuarine management. EPA has earmarked \$10,000 of program funds for travel related to outreach and technology and information transfer. Attendance at Association of National Estuary Programs workshops and EPA workshops/meetings will be stressed. The remaining portion of the funds will be utilized as earmarked.

In addition to the above, each of the four Program staff will be assigned particular duties and responsibilities, including (but not limited to) the duties as described in work item 4.1

4.1 Management and Administrative Support for the Management Conference

Performing Organization:	MBNEP Program Office
Principal Investigator:	N/A
FY01 Funding:	\$341,340
Total Funding:	\$341,340
Priority Issues:	All
MBNEP Coordinator:	Program Director
MBNEP Designated Reviewer:	Management Conference

Program Director: Responsible for ensuring completion of the commitments set forth in the MBNEP Management Conference Agreement. Provides staff support for each committee and subcommittee of the Management Conference and coordinates activities to ensure successful and timely completion of scheduled deliverables identified in the annual workplan. Responsible for the financial planning of the Program. Serves as point of contact for media and other external inquiries, and provides liaison between the MBNEP Management Conference and other National Estuary Programs for exchange of information relevant to the development of an effective CCMP.

Scientific Program Coordinator: Coordinates and supervises the development of MBNEP scientific and technical programs. Performs key tasks related to the development of action items required for CCMP development and building consensus among the Mobile Bay community. Works closely with the Program Director to coordinate and support Management Conference committee meetings and any other business. Initiates contact with area professionals and professional organizations involved in estuarine management. Performs technical reviews of project products and other efforts and reports related to the Mobile Bay estuary.

Data Coordinator (one half time): Works closely with the Program Director, the Science Coordinator, and with contractors to ensure DIMS guidelines are met. Coordinates efforts to create GIS Base Map and maintain the GIS Database. Provides ongoing maintenance and coordination of the Metadata Database. Creates and maintains MBNEP Web Site. Maintains Contacts Database.

Administrative Assistant: Works closely with the Program Director and Staff. Conducts general secretarial and receptionist duties. Responsible for general office management. Provides staff and logistical support to Management Conference committees and subcommittees and is responsible for the accurate preparation of meeting minutes and other reporting requirements as a result of such meetings. Assists in the development and quality control of work standards.

Project Deliverables and Schedule:

Program Quarterly Reports.....	Quarterly
Year-end Report.....	Sept. 30, 2000
Management Conference Meeting Minutes.....	Monthly
Updates to Management Conference Directory.....	As Needed

TABLE 1
MOBILE BAY NATIONAL ESTUARY PROGRAM FIFTH YEAR (FY01) BUDGET

WORK ELEMENT	(\$440,000 Total)
1.0 REQUIRED CCMP COMPONENTS	
1.1 Writing CCMP	\$ 15,000 (+\$25,000 FY00 = \$40,000)
1.2 Printing	\$ 10,000 (+ \$40,000 FY00 = \$50,000)
1.3 Finance and Implementation Plan	\$ 0 (\$5,815 FY00, funded)
SUBTOTAL 1.0	\$ 25,000
2.0 SCIENTIFIC/TECHNICAL COMPONENTS	
2.1 Wetlands and SAV Survey	\$ 0 (\$190,000 FY00)
2.2 Assessment/Modeling WQ Parameters	\$ 0 (\$155,000 FY00)
2.3 Land Use Planning Effort	\$ 0 (currently not funded)
2.4 Atmospheric Deposition Monitoring Support	\$ 0 (\$42,080 FY00, funded)
2.5 GIS/Web Maintenance and Development	\$ 22,500
2.6 Monitoring Program Implementation	\$ 0 (\$75,000 FY00)
2.7 Monitoring Program Development	\$ 0 (\$63,858 FY00, funded)
2.8 Sediment Characterization	\$ 0 (\$37,500 FY00, funded)
2.9 Shellfish Grant	\$ 0 (GOMP funded)
2.10 Living Resources Data Synthesis/Analysis	\$ 0 (\$40,000 FY00)
2.11 APDP	\$ 0 (\$48,615 FY00)
SUBTOTAL 2.0	\$ 22,500
3.0 PUBLIC PARTICIPATION AND EDUCATION	
3.1 CCMP Communication Plan	\$ 0 (\$5,000 FY00)
3.2 Local Community Initiative	\$ 15,000 (+7,500 FY00 = \$22,500)
3.3 Communication Plan for Monitoring & DIMS	\$ 0
3.4 Newsletter and Expanded Calendar	\$ 6,000 (+6,000 FY00 = \$12,000)
3.5 CCMP Implementation	
3.5.1 CCMP Implementation – Fact Sheets	\$ 0 (2,500 FY00)
3.5.2 CCMP Implementation – Highway Communication	\$ 15,000
3.5.3 CCMP Implementation – Short Video	\$ 0 (\$2,500 FY00)
3.5.4 CCMP Implementation – Video	\$ 0 (\$10,000 FY00)
3.5.5 CCMP Implementation – Newspaper Ads	\$ 0 (\$1,500 FY00)
3.5.6 CCMP Implementation – Radio Presentation	\$ 0 (\$1,500 FY00)
3.5.7 CCMP Implementation – Workshops	\$ 0 (\$2,000 FY00)
3.5.8 CCMP Implementation – Trade and Display	\$ 0 (\$2,000 FY00)
3.6 Speakers Bureau & CDROM	\$ 1,000 (+\$500 FY00 = \$1,500)
3.7 Participation in Mobile Bay Earth Day/Bayfest Events	\$ 1,500 (+\$500 FY00 = \$2,000)
3.8 APDP – Storm Drain Stenciling	\$ 0 (\$4,742 FY00, funded)
3.9 Local Community Initiative Minigrants	\$ 12,000 (+\$35,788 FY00 = \$47,778)
SUBTOTAL 3.0	\$ 50,500

4.0 PROGRAM ADMINISTRATION

4.1 Program Staff	
4.1.1 Director	\$ 63,600
4.1.2 Administrative Asst.	\$ 22,000
4.1.3 Scientific Program Coordinator	\$ 42,400
4.1.4 Public Outreach Coordinator	\$ 0 (not funded)
4.1.5 USA Project Coordinator (1.5 months)	\$ 21,541
4.1.6 USA Grant Administration Specialist (6 months)	\$ 14,938
4.1.7 Data Coordinator	\$ 17,382
4.1.8 Benefits	\$ 36,346
4.2. Travel—Outreach & Technology Transfer	\$ 13,700
4.3 Telephone/Internet	\$ 5,600
4.4 Postage	\$ 5,723
4.5 Maintenance and Repairs	\$ 2,000 —
4.6 Service Contracts on Equipment	\$ 3,000 ¹
4.7 Rental Equipment	\$ 4,152 ²
4.8 Rental Facilities (Meetings)	\$ 2,750
4.9 Subscription Dues	\$ 1,500
4.10 Other Contractual Service	\$ 1,000
4.11 Office Supplies	\$ 7,000
4.12 Office Rent	\$ 18,000
4.13 Office Equipment	\$ 2,168
4.14 Administrative Cost	\$ 57,200 ³
SUBTOTAL 4.0	\$342,000
TOTAL PROGRAM BUDGET	<u>\$440,000</u>

Notes for Program Administration:

¹ Monthly contracts of \$53/copier and \$28/fax plus copies over and above contract amount (16¢/copy). Same amount as FY00.

² Copier: 12 months @ 346.00.

³ Administrative cost 13% of total program cost as indirect.

TABLE 2
FUNDING TABLE FOR YEAR FIVE (FY01)

<u>Source of Funds</u>	<u>Amount</u>
EPA Federal Grant Funds for Year Four:	
Base Funding	\$300,000
Travel	10,000
CWAP Supplement	<u>20,000</u>
<u>Subtotal</u>	\$330,000
State/Local Required Match:	\$110,000
<u>Total Funds for Year Five (FY01)</u>	<u>\$440,000</u>

<u>Match Information</u>	<u>Total</u>	<u>Percent</u>
EPA GRANT		
Total Year Five (FY01) Federal Funds	\$ 330,000	75
Total Year Five (FY01) Non-Federal Match	<u>\$ 110,000</u>	<u>25</u>
TOTAL	\$ 440,000	100

TABLE 3
EXPENDITURES BY OBJECT CLASS CATEGORY
Year 5 FY 01

Component	Contract	Salaries	Fringe	Travel	Supplies & Equipment	Other	Indirect
1.0 CCMP	\$25,000						
2.0 Scientific/ Technical	\$22,500						
3.0 Public Participation/ Education	\$50,500						
4.0 Program Administration	\$8,152	\$181,861	\$36,346	\$13,700	\$9,168	\$35,573	\$57,200
Program Totals	\$106,152	\$181,861	\$36,346	\$13,700	\$9,168	\$35,573	\$57,200

TABLE 4
TOTAL FUNDING SOURCES FOR YEAR 5 (FY01)

Workplan Item	NEP FY01 Funds	FY00 Funds Remaining	Outside Funds Committed	Outside Match Committed	In Kind Match
1.1	\$15,000	\$25,000			
1.2	\$10,000	\$40,000			
1.3	\$0	\$5,815			
2.1	\$0	\$190,000			
2.2	\$0	\$155,000			
2.3	\$0	\$0			
2.4	\$0	\$31,560			\$10,520 (ADEM FY00)
2.5	\$22,500	\$0			
2.6	\$0	\$75,000			
2.7	\$0	\$63,858			
2.8	\$0	\$37,500			
2.9	\$0		\$23,763 (GOMP FY00)		
2.10	\$0	\$40,000			
2.11	\$0	\$48,615			
3.1	\$0	\$5,000			
3.2	\$0	\$7,500			
3.3	\$0	\$0			
3.4	\$6,000	\$6,000			
3.5.1	\$0	\$2,500			
3.5.2	\$15,000				
3.5.3	\$0	\$2,500			
3.5.4	\$0	\$10,000			
3.5.5	\$0	\$1,500			
3.5.6	\$0	\$1,500			
3.5.7	\$0	\$2,000			
3.5.8	\$0	\$2,000			
3.6	\$1,000	\$500			
3.7	\$1,500	\$500			
3.8	\$0	\$4,742			
3.9	\$12,000	\$35,788			
4.0	\$342,492	\$0			
Totals	\$440,000	\$794,378	\$23,763	\$0	\$10,520

Figure 1

MOBILE BAY NATIONAL ESTUARY PROGRAM
MANAGEMENT CONFERENCE

