

PECONIC ESTUARY PROGRAM

FY05 WORKPLAN AND BUDGET

Submitted by:

**Peconic Estuary Program
Management Conference**

Prepared by
PEP Program Office
Suffolk County Dept. Of Health Services (SCDHS)
Office of Ecology
Riverhead County Center
Riverhead, New York 11901-3397
(631) 852-2077

June 22, 2005

**Peconic Estuary Program
FY05 Workplan and Budget**

Table of Contents

1. INTRODUCTION	1
2. OVERALL FUNDING SOURCES	1
3. PROGRAM STATUS: GOALS AND ACCOMPLISHMENTS	1
Accomplishments from the Past Year	2
Top Priorities (Goals) Accomplished	7
Status of Ongoing Projects From Last Year	9
4. NATIONAL ESTUARY PROGRAM PURPOSES	11
5. OVERALL PROGRAM APPROACH	12
6. WORKPLAN TASKS FOR FFY05 FUNDS	12
Grants/Funding to Local Entities	18
Funds Leveraged	18
Non-Federal Match	19
7. PECONIC ESTUARY PROGRAM ADMINISTRATION; STAFF AND RESPONSIBILITIES	20

List of Figures

Figure 1 – SCDHS Marine Monitoring Stations	15
---	----

Appendices

- APPENDIX A – PEP FY05 Program Budget
- APPENDIX B – Comprehensive Conservation and Management Plan Public Summary
- APPENDIX C – PEP Travel Expense Report
- APPENDIX D – Leveraged Funds for 2004

PECONIC ESTUARY PROGRAM

FY 05 WORKPLAN

1. INTRODUCTION

The Peconic Estuary System consists of over 100 distinct bays, harbors, embayments and tributaries, which cover an area of over 158,000 acres. The population of the East End towns surrounding the Peconic Estuary System more than doubles during the summer. These residents and visitors use the system and its resources extensively for beach-going, swimming, boating, fishing, shellfishing, and water-dependent industries, contributing significantly to the local economy. However, there are problems in the system ranging from increased nutrient loading to declines in habitat quality and quantity, and reduction in catch of commercially and recreationally important finfish and shellfish. Other issues of concern include closure of shellfish beds due to contamination by coliform (used as an indicator for pathogens), potential contamination with toxic substances, the relationship of land use to water quality and the health of the living resources, and the occurrence of Brown Tide. The effects of these problems are a significant threat to the health of the Peconic Estuary System and its resources.

The public summary of the *Comprehensive Conservation and Management Plan (CCMP)* is included as Attachment B.

2. OVERALL FUNDING SOURCES

The core FY05 budget (see Appendix A) reflects the following sources of funding:

EPA FY05 Base Funding	\$ 511,966
Non-Federal Match	\$ 511,966
TOTAL	\$ 1,023,932

The non-Federal match consists of Suffolk County Department of Health Services (SCDHS) and New York State Department of Environmental Conservation (NYSDEC). Match is itemized in detail in the PEP Program Budget (Appendix A).

The actual match for the FY05 period is expected to exceed the commitment reflected in the budget table.

3. PROGRAM STATUS; GOALS AND ACCOMPLISHMENTS

The Management Conference believes that the PEP has effectively administered the funding it has received to support appropriate and necessary efforts, which has resulted in a truly comprehensive, meaningful, and site-specific CCMP. Especially significant are the following factors that, individually and collectively, make the PEP unique:

PEP FY 05 Workplan
June 14, 2005

- * the focus on early action, which resulted in a firm "no net increase of point source nitrogen" commitment for the western bays system, as well as a commitment to establish a progressive water quality preservation policy for the eastern portions of the Peconics
- * the level of detail (*e.g.*, parcel-specific land use information for the entire study area)
- * the extent of monitoring and data collection (*e.g.*, thousands of groundwater and surface water samples)
- * the powerful management tools which are being utilized (*e.g.*, state-of-the-art hydrodynamic and water quality modelling for the entire estuary and the Critical Lands Protection Strategy)
- * the goals of site-specificity for management, with focus not only on the main bays system, but also on subwatersheds for creeks and embayments
- * state-of-the-art technical characterization techniques which will be essential to PEP management (*e.g.*, sediment flux and accretion measurement; sophisticated groundwater underflow measurement techniques)
- * the early focus on finance and implementation, with a state-of-the-art, full valuation of market and non-market resources completed
- * a dedicated and motivated Citizens Advisory Committee
- * emphasis on water quality and habitat preservation, and interaction of living resources with water quality management

Program Accomplishments from the Past Year

The Peconic Estuary Program has had many accomplishments in 2004 and the beginning of 2005. The highlights are listed below:

- *Non-Federal Implementation Funding* – Implementation funding continues to made available through the following mechanisms:
 - *New York State Clean Water/Clean Air Bond Act* (estimated cumulative total towards Peconic Watershed projects since 1997: \$13.1 million) Five Peconic projects totaling over \$3.1 million were announced in August 2004. Projects included stormwater mitigation, eelgrass restoration, and sewage treatment plant upgrades. Grant applications for the final round of funding were recently submitted.
 - *New York State Environmental Protection Fund (EPF)* \$200,000 was appropriated in FY05 for projects specifically in the watershed. To date, an RFP has not been issued.
 - *Suffolk County Water Quality Protection and Restoration Program* (1/4% Sales Tax Program) (will raise an estimated \$87 million over the next ten years for projects in Suffolk County, including the Peconic Watershed). Over \$5 million was appropriated to projects in the Peconic Watershed in 2004 and the beginning of 2005. Projects include a bay scallop reseeding project, stormwater mitigation, and an IPM

PEP FY 05 Workplan
June 14, 2005

- interactive website.
- *Town Community Preservation Fund* (aka 2% Transfer Tax) From 1999 through January 2005, over \$245 million has been raised for land acquisition and the purchase of development rights. While the 2% Transfer Tax is estimated to generate an additional \$556 million over its lifetime, it is estimated that these funds will only protect a little more than 9% of the vacant acreage identified as critical by the PEP.
 - *Technical Outreach Specialist* - Hired with NEP baseline funds awarded to the Peconic Estuary Program, Ms. Shana Miller joined the Peconic Estuary Program on January 26, 2004 to serve as the PEP Technical Outreach Specialist. In the short time Ms. Miller has been with the program, she has developed and carried out a PEP CCMP tracking system, a PEP newsletter with multiple editions, www.peconicestuary.org, and a mini-grants program.
 - *CCMP Tracking System* – In March 2004, the PEP developed a CCMP Tracking System in Microsoft Access 2000. The database lists the implementation status of all 340 actions in the CCMP. The 79 priority actions are noted. All actions are classified as ongoing or finite, based on the projected duration of the project. For ongoing actions, implementation status is categorized as fully implemented, partially implemented, or not initiated. For finite actions, implementation status is categorized as complete, substantial (51-99% complete), limited (1-50% complete), or not initiated. The CCMP Tracking System is available on the PEP website for all stakeholders' perusal.
 - *Environmental Indicators Report* – In March 2005 the Peconic Estuary Program Environmental Indicators Report was finalized and is available for download at www.peconicestuary.org. A public-friendly version will be inserted into all the local papers (57,000 copies) this July 2005.
 - *Nitrogen TMDL for the Western Estuary* - The PEP is developing a Nitrogen Total Maximum Daily Load (TMDL) for the following water segments in the western estuary because of frequent and extreme dissolved oxygen violations:
 - Western Flanders Bay and Lower Sawmill Creek (1701-0254);
 - Meetinghouse Creek and Terrys Creek including tributaries (1701-0256); and,
 - Lower Peconic River including tidal tributaries (1701-0259)The TMDL will specify the total amount of nitrogen that can enter the Peconics without exceeding the State's dissolved oxygen water quality standard and apportions the allowable load to point and nonpoint sources, taking into consideration loads that may occur in the future and a margin of safety. A draft Nitrogen TMDL is expected this year.
 - *Agricultural Nitrogen Reduction* - The PEP continues to bring the region's agricultural community and other stakeholders together to cooperatively develop a strategy to lower nutrient and pesticide inputs to the environment. The need to implement the Agricultural Environmental Management (AEM) Strategy (Appendix H of the CCMP) drafted by the PEP Agricultural Nitrogen Committee was the primary impetus for convening the County's Agricultural Environmental Management Task Force. The Task Force's report was finalized

PEP FY 05 Workplan
June 14, 2005

in May 2004 and is available for download at www.peconicestuary.org. The report details the development and implementation of a Suffolk County Agricultural Stewardship Program- envisioned as a comprehensive, voluntary program for maintaining and strengthening farming in Suffolk County while improving groundwater and surface water quality.

- *Golf Course Nitrogen Reduction* - The PEP is working with the 30 out of 34 golf courses on eastern Long Island to implement a *Golf Course Nitrogen Management Challenge*, including implementing best management practices for fertilizer applications so that each golf course's contribution to groundwater is no more than 2 mg/l. The United States Golf Association and Cornell University are actively involved in this effort.
- *Non- Agricultural Nitrogen Reduction* - The Non-Agricultural Nonpoint Source Nitrogen Workgroup continues to support the development and implementation of efforts to better manage residential, institutional, and commercial (other than agriculture) sources of nitrogen. Key topics being investigated include: working with commercial landscapers and to reduce nitrogen use and losses; education and outreach to homeowners to reduce nitrogen use and losses; the development of recommendations to the towns for clearing restrictions for new development, in order to increase the amount of native vegetation cover and therefore reduce the amount of intensive nutrient-dependent turf and landscaping; the potential for reductions from on-site disposal systems using nitrogen treatment technologies; and the microsewering of areas currently served by individual on-site disposal systems.
- *Sewage Treatment Plant Effluent Reuse* – In 2004, in anticipation of a full-scale project, the Town of Riverhead demonstrated the effectiveness of reusing STP effluent to irrigate a pilot putting green created on the grounds of the STP. The pilot green was created using plugs from the adjacent Indian Island Golf Course. Although already treated in a Sequencing Batch Reactor and ultraviolet light disinfection, the wastewater was micro-filtrated before it was used for irrigation. As cited in the H₂M report, by irrigating the adjacent golf course with STP effluent and thus reducing the volume of effluent directly discharged into the tidal Peconic River, the mass loading of nitrogen to the Peconic System will decrease by 25% (at full flow capacity) during the irrigation season. Funding from the New York State Bond Act and Suffolk County's Water Quality Protection and Restoration Program offset the costs of this project. It is anticipated that 350,000 gallons of treated wastewater (approx. 40% of the STP's daily effluent) will be used to irrigate the golf course each night. This project implements CCMP Actions N-4-6 and N-5. The Town of Riverhead has submitted for funding through the New York State Clean Water/Clean Air Bond Act for full implementation.
- *Corwin Duck Farm* - The tertiary treatment upgrade to the wastewater treatment system at the Corwin Duck Farm began in Winter 2004; the upgrade is scheduled for completion by Summer 2005. The anticipated system is designed for 100,000 gallons/day with less than 10.0 mg/l TN average concentration in the effluent.
- *Benthic Mapping for Habitat Classification in the Peconic Estuary* - The Peconic Estuary

PEP FY 05 Workplan
June 14, 2005

Program identified the natural resources of the Peconic underwater lands as a large data-gap that desperately needed to be filled. In direct response, \$565,000 has been leveraged by the Peconic Estuary Program (\$135,000), The Nature Conservancy (\$135,000), Suffolk County (\$245,000), and New York State (\$50,000) to contract the State University of New York – Marine Sciences Research Center to produce benthic habitat maps in select areas of the Peconic Estuary. The goal of the Benthic Mapping Survey is to develop maps of the underwater lands for the entire Peconic Estuary in an effort to document bathymetry and the distribution of natural resources. The results of the survey will be used to identify potential best sites for commercial aquaculture operations and clarify Essential Fish Habitat designations, among other PEP initiatives. Approximately \$400,000 is still needed to complete this initiative.

- *Flanders Bay Pathogen TMDL* – Several Peconic water segments are listed on New York State’s Section 303(d) List for failing to meet pathogen water quality standards, resulting in shellfish bed closures. The Program Office provided comments on EPA’s draft Peconic Pathogen TMDL in March 2005.
- *Vessel Waste No Discharge Area* - The Peconic Estuary Vessel Waste No-Discharge Zone (NDZ) includes the open waters, harbors, and creeks west of a line extending from Orient to Montauk Point. The PEP continues to aid towns in acquiring additional vessel waste pump-out boats. Currently, there are nine municipal pump-out boats and five pump-out stations servicing the Peconic Estuary (all of which are free except for the \$5 fee charged by the Village of Greenport boat). Pump-out facilities are located at a majority of the private marinas, too. By taking advantage of the reimbursement opportunities through Suffolk County’s Capital Program and New York’s Federally-funded reimbursement program, a municipality can purchase a pump-out boat for 73% off the purchase price. The PEP Citizens Advisory Committee has put together an innovative educational packet for boaters for the 2005 boating season. The packet will be distributed by the Bay Constables when boarding boats in the Peconics. The Peconic NDZ is also spotlighted in the annual Boater’s Guide published by Association of Marine Industries.
- *Critical Lands Protection Plan* – The Peconic Watershed is experiencing rapid development: more than 2,500 parcels comprising 3,500 acres were developed between 1995 and 2001. Excluding agricultural lands, only 22% of the watershed remains as vacant or subdividable. As detailed by a plethora of sources, development poses a substantial threat to nutrient loading, water quality, and habitat (shoreline hardening, wetlands degradation, etc.), among other concerns. In 2004, the PEP finalized its Critical Lands Protection Plan (CLPP; available for download at www.peconicestuary.org) that evaluates land available for development in the Peconic Estuary watershed and identifies priorities for protection with respect to estuarine management concerns. The PEP Critical Lands Protection Plan is a useful tool for State and local agencies that make decisions on land acquisition and protection, including the five East End towns. PEP partners are now working to integrate the CLPP findings in municipal open space parcel lists, among other initiatives.

PEP FY 05 Workplan
June 14, 2005

- *Aquaculture* – As a result of the report *Survey Plan for Shellfish Cultivation Leasing in Peconic and Gardiners Bays* (April 2003), Suffolk County has set aside \$600,000 in Suffolk County Water Quality Protection and Restoration Program funds to develop an aquaculture leasing program in the Peconics. An Advisory Committee will commence shortly.
- *Eelgrass and Hardened Shoreline Inventory* - Using Fall 2000 aerials, the Peconic Estuary Program, in cooperation with the U.S. Fish and Wildlife Service, inventoried and digitized the existing submerged aquatic vegetation and hardened shoreline in the Peconic Estuary (final report received December 2003). Only 1,550 acres of eelgrass (119 beds) were inventoried – a stark contrast from the estimated 12,000 acres of eelgrass found throughout the Peconics in the 1930's. Of the estimated 453 miles of shoreline in the Peconic Estuary, approximately 29 miles are hardened. Nine miles of docks were also inventoried.
- *National Atmospheric Deposition Program* - In 1999, the Peconic Estuary Program was awarded a National Atmospheric Deposition Program grant to set up a coastal air deposition monitoring station (consisting of a rain gauge, collector, and solar pack) to measure wet deposition of sulfur compounds, nitrogen compounds, some base cations, and pH. The monitoring station, located at Cedar Beach in Southold, has been collecting data since Winter 2004. The Suffolk County Department of Health Services – Office of Ecology maintains the site. This Fall 2005, the site will be modified to monitor for Mercury, in addition to the existing parameters.
- *Peconic Estuary Land Cover Initiative* – Using high-resolution (1:24,000-scale) aerials, the U.S. Geological Survey (USGS) is classifying the current land cover and impervious surface in the Peconic Watershed. Resulting land cover and impervious surface statistics will be broken down by town and village boundaries. This project will provide a baseline from which future changes in land cover can be compared and historical land cover changes can be extrapolated.
- *Implementation Review* – In Summer 2004, the PEP passes its second “Implementation Review,” a review of progress in implementing the CCMP and therefore is eligible to receive Clean Water Act Section 320 funding in FY2005, FY2006, and FY2007. As per the letter from Suzanne Schwartz, Director of EPA's Oceans and Coastal Protection Division, summarizing EPA's findings, “... the PEP is continuing to make significant progress in implementing its Comprehensive Conservation and Management Plan (CCMP)”.
- *EstuaryLive* – To celebrate National Estuaries Day in 2004, the PEP participated in EstuaryLive, a live field trip to the Peconic Estuary streamed via satellite for viewing over the internet. Schools from across the nation logged on to the 65-minute broadcast.
- *PEP Talk* – In Fall 2004, the PEP printed its first issue of PEP Talk, a zippy newsletter about Peconic Estuary Program initiatives and happenings. Hard copies of the quarterly newsletter are mailed to an ever-increasing distribution list and the .pdf's are available on www.peconicestuary.org

PEP FY 05 Workplan
June 14, 2005

- WWW.PECONICESTUARY.ORG - In 2004, the PEP developed and populated its own website – www.peconicestuary.org! The PEP website has increased our efficiency in educating the public and serves as a great way to disseminate reports and other information to our stakeholders. This site is constantly updated and expanded.
- *PEP State of the Bays Science Conference* – The PEP State of the Bays Science Conference held in April 2005 was a huge success. Each of the eighteen presentations gave a glimpse into the environmental state of the estuary and highlighted related management recommendations and initiatives.

Top Priorities (Goals) Accomplished

Of the PEP's Top Priorities, the Peconic Estuary Program accomplished the following:

Brown Tide Workplan – Suffolk County, through Peconic Estuary Program efforts, updated to the Brown Tide Workplan in January 2005. The updated workplan provides information regarding research to date, and makes suggestions for future research.

Brown Tide Research Funding Levels - Since 1991, Suffolk County has appropriated over \$1.69 million dollars for Brown Tide research. Of this total, \$450,000 was appropriated between 2003 and 2005. Because of the strong need to continue Brown Tide research, the County continues to authorize \$150,000 of Capital Program funds each year for the next three years (2006-2008) for Brown Tide research.

Nitrogen Load Allocation Program - As mentioned above, a nitrogen TMDL is being developed for select segments in the western estuary.

Agricultural Environmental Management (AEM) Program – Implementation of the Suffolk County Agricultural Stewardship Program - envisioned as a comprehensive program for maintaining and strengthening farming in Suffolk County while improving groundwater and surface water quality – is gaining momentum. In 2004, funds were granted through the Suffolk County Water Quality Protection and Restoration fund to hire three Ag specialists.

Residential Fertilizer Use Reduction Program – The Peconic Estuary Program Non-Agricultural Nitrogen Work Group continues to develop this program.

Sewage Treatment Plants – The two major sewage treatment plants that discharge to the Peconic Estuary, Riverhead and Sag Harbor, completed their upgrades to tertiary treatment in 2001. As mentioned above, the Riverhead Sewage Treatment Plant has completed a pilot project irrigating a mini golf course constructed on STP grounds. Funds are being sought to implement a full-scale project irrigating the adjacent County golf course with Riverhead Sewage Treatment Plant effluent.

PEP FY 05 Workplan
June 14, 2005

Eelgrass Management – The Peconic Estuary Program continues to fund the Submerged Aquatic Vegetation Long Term Monitoring Program. Funds were also allocated by Suffolk County (\$25,000) to initiate restoration.

Shoreline Hardening – With the use of Base Program funds, the PEP contracted the USFWS to analyze aerials flown in the Fall of 2000 for submerged aquatic vegetation and shoreline hardening. The maps of the hardened shoreline serve as a basis to develop a strategy to minimize shoreline hardening structures.

Critical Natural Resource Areas – Critical Natural Resource Areas are areas of particular ecological significance designated by the Peconic Estuary Program. Steps have been made to protect the marine CNRAs by targeting these areas in the first phase of the Benthic Mapping Project. The upland CNRAs are an overlay criterion in the Critical Lands Protection Strategy for identifying land protection priorities.

PEP Habitat Restoration Plan – A limited number of projects identified in the Habitat Restoration Plan have been implemented.

Living Resources Research, Monitoring, and Assessment Plan – The Benthic Mapping Project is one of the priorities in the PEP Living Resources Research, Monitoring, and Assessment Plan. As mentioned above, this project is ongoing. Nine shellfish spawner sanctuaries, another priority in the Plan, have been established by The Nature Conservancy and other partners in the Peconics and will be investigated as a natural resources management tool as well as a possible control for Brown Tide populations.

Dredging Windows Workshop - The PEP anticipates holding a Dredging Windows Conference in 2005. Agenda items will include: existing dredging windows for the Peconic Estuary and specific reasons for their development, industry & fisher concerns, and identification of the critical life stage(s) of the species of concern.

Vessel Waste No Discharge Zone – The USEPA Regional Administrator approved New York State's designation of the entire Peconic Estuary as a Vessel Waste No Discharge Zone in June 2002. The PEP Citizens Advisory Committee has developed an innovative NDZ public education packet to be distributed this summer.

SC Vector Control and Wetlands Mgmt Long Term Plan & EIS - Suffolk County is overseeing the development and implementation of a Suffolk County-wide vector control and wetlands management plan, which will address numerous issues of Federal and state jurisdiction, including pesticide fate and transport; effect of pesticides on fish populations, birds and other wildlife; and wetland preservation. Through this effort Open Marsh Water Management is being investigated as a method of habitat restoration, mosquito control, and stormwater pollution control.

Brookhaven National Laboratory – The Peconic Estuary Program continues to remain involved through USEPA/NYSDEC/SCDHS oversight of the Superfund clean-up at Brookhaven National Laboratory.

PEP FY 05 Workplan
June 14, 2005

Critical Lands Protection Plan – As mentioned above, the Peconic Estuary Program has finalized the Critical Lands Protection Plan, a plan that prioritizes land protection (including acquisition) priorities with respect to estuarine management concerns.

Status of Ongoing Projects from Last Year

The Peconic Estuary Program has prided itself in using USEPA funds for specific projects and uses. Last year's line items were used the following ways:

Submerged Aquatic Vegetation Management and Long Term Monitoring funds (FY04; \$60,000 Federal funding) to support ongoing Peconic eelgrass monitoring including vegetative sampling at six sites (Gardiners Bay, Orient Harbor, Southold Bay, Northwest Harbor, Three Mile Harbor, and Bullhead Bay) as well as other SAV-related activities. These funds will be combined with the \$40,000 appropriated for SAV management in FY03. The entire \$100,000 will be split between the US Fish and Wildlife Service to update the inventory of submerged aquatic vegetation and hardened shorelines in the Peconic Estuary (last performed in Fall 2000) and Cornell Cooperative Extension for the above-referenced work, eelgrass restoration, and groundtruthing USFWS' work. Responsible entities are the Suffolk County Department of Health Services (SCDHS), US Fish and Wildlife Service, and CCE.
Milestone/Completion Date: Ongoing.

Marine Conservation Planner Activity funds (FY04; \$60,000 Federal funding) to support the Marine Conservation Planner Activities. In the process of being contracted to The Nature Conservancy. The Marine Conservation Planner and team continues to assist in Peconic CCMP implementation, including managing the benthic mapping project, serving as co-chairperson of the Natural Resources Subcommittee, overseeing the implementation of existing and future shellfish spawner sanctuaries, and implementing the findings of the Critical Lands Protection Plan. The Nature Conservancy also helps implement select recommendations from the Non-Agricultural Nitrogen Work Group. Milestone/Completion Date: Ongoing.

Benthic Mapping Survey (FY04; \$50,000 Federal funding) will be contracted to the State University of New York to continue the benthic mapping effort. More than 1/3 of the estuary has been completed to date, focusing on the underwater areas of the Peconic Estuary Critical Natural Resource Areas (CNRAs; areas of particular ecological significance designated by the Peconic Estuary Program), including portions of Flanders Bay, Orient Harbor, Northwest Harbor, Gardiners Bay and around Shelter Island and Robins Island. To date, the Peconic Estuary Program's \$135,000 (FY00, FY03, FY04) in funding has been leveraged into a \$565,000 program with County, Nature Conservancy, and State sources. Milestone/Completion Date: 2006.

Water Quality Monitoring Program/Long Term Monitoring funds (FY04; \$50,000 Federal funding) were used to support the Suffolk County Department of Health Services' Marine Monitoring Program (monthly monitoring at 32 Peconic surface water quality stations throughout the year for a suite of parameters; periodic monitoring of point source stations;

PEP FY 05 Workplan
June 14, 2005

weekly monitoring at the NADP rain gauge; and three YSI continuous monitoring stations). Specifically, the funds were used to purchase sampling and lab equipment, as well as overtime for personnel. Milestone/Completion Date: Ongoing.

Agricultural Environmental Management (FY03 - \$40,000 Federal funding; FY04 - \$64,000 Federal funding) – In an effort to help implement the Suffolk County Agricultural Stewardship Program, the PEP is in discussions with the Suffolk County Soil and Water Conservation District to hire an Agricultural Stewardship Coordinator. As outlined in Suffolk County's Ag Task Force Report (2004), an Agricultural Stewardship Coordinator is needed to work with the staff of the Cornell Cooperative Extension of Suffolk County and Suffolk County Soil and Water Conservation District and report to the Suffolk County Watershed Agricultural Stewardship Advisory Council, contract agencies and the Agricultural Stewardship Director, on the progress of the annual workplan to reduce nutrients and pesticide contamination. The description for such a position is fully outlined in Suffolk County's Ag Task Force Report. Milestone/Completion Date: 2005/2006.

Peer Review (FY04; \$5,000 Federal funding) funds are needed to gain an outside perspective on select Peconic Estuary Program initiatives. These funds may be used to review Agricultural Environmental Management documents or outcomes of the Non-agricultural Nitrogen Work Group, among other possibilities. These funds have yet to be contracted. Milestone/Completion Date: Ongoing.

Travel funds (FY04; \$10,000 Federal funding) for staff to attend National Estuary Program meetings as well as technical workshops. Milestone/Completion Date: Ongoing.

The NYSDEC staff funds (FY04; \$36,384 Federal funding) to support the State Coordinator position. The NYS Coordinator position has been vacant since November 19, 2003. Since there is a hiring freeze at the State level, the NYS Department of Environmental Conservation will fill the position using a subcontract to the New England Interstate Water Pollution Control Commission. Residual funding from FY03 and the FY04 funds will fund the first year of the new employee's contract. Milestone/Completion Date: 2005

Program Office funds (FY04; \$90,000 Federal funding) to support a PEP Suffolk County Coordinator, purchase office equipment, lease a photocopier, and purchase computer equipment and supplies. Milestone/Completion Date: Ongoing.

National Atmospheric Deposition Program – NTN Monitoring Costs and New Mercury Deposition Monitoring Site (FY04; \$36,000 Federal funding) funds will support continued water testing at the NADP-NTN monitoring station, located at Cedar Beach in Southold (in operation since Winter 2004). Every Tuesday morning, a water sample from the rain gauge is sent to the Illinois State Water Survey for testing. The SCDHS – Office of Ecology maintains the site. With funds granted in 2004, SCDHS will modify the site to monitor mercury deposition and hence be part of the NADP – Mercury Deposition Network (MDN) in 2005. Milestone/Completion Date: Ongoing.

**PEP FY 05 Workplan
June 14, 2005**

date: Ongoing activity

Technical Outreach Specialist (FY04; \$80,000 Federal funding) Hired through New York Sea Grant, Ms. Shana Miller joined the Peconic Estuary Program on January 26, 2004 to serve as the PEP Technical Outreach Specialist. Ms. Miller's accomplishments during her tenure with the PEP include developing the PEP CCMP tracking system, a PEP newsletter and website, and a mini-grants program. These funds will be used for the third year of her position starting January 26, 2006. Milestone/due date: Ongoing activity

Mini Grants Program (FY04; \$30,000 Federal funding) In 2004, the PEP successfully administered four mini-grant projects totaling \$8,060. The \$30,000 will fund future calls for mini-grant proposals, including the RFP to be issued in 2006. The mini-grant program is intended to fund projects that increase public awareness of the estuarine environment and/or encourage active public participation in protecting and restoring the Peconic Estuary. Milestone/due date: Ongoing activity

Public Participation funds (FY04; \$50,000 Federal funding) are in the process of being contracted to Cornell Cooperative Extension of Suffolk County for the Citizens Advisory Committee's use. Anticipated projects include publishing costs for the newsletter *PEP Talk*, public service announcements, technical outreach for homeowners and small business owners, among other initiatives. Milestone/Completion Date: Ongoing.

4. NATIONAL ESTUARY PROGRAM PURPOSES (ELEMENTS OF THE WORKPLAN IN RELATION TO THE NATIONAL ESTUARY PROGRAM PURPOSES)

Purpose 1. Assess trends in the estuary's water quality, natural resources, and uses.

Purpose 2. Identify causes of environmental problems by collecting and analyzing data.

Purpose 3. Assess pollutant loadings in the estuary and relate them to observed changes in water quality and natural resources.

Purpose 4. Recommend and schedule priority actions to restore and maintain the estuary, and identify the means to carry out these actions (i.e., the CCMP).

Purpose 5. Ensure coordination of implementation among federal, state, and local participants in the conference.

Purpose 6. Monitor the effectiveness of actions taken under the plan.

Purpose 7. Ensure that Federal assistance and development programs are consistent with the goals of the plan.

5. OVERALL PROGRAM APPROACH

PEP FY 05 Workplan June, 2005

The Peconic Estuary Program follows the general approach outlined in the Management Conference Agreement. This approach has three key elements: 1) technical, 2) administrative/regulatory, and 3) public involvement. These elements are outlined in general here, and the specific tasks that fall under each element are described below.

The technical element includes research and monitoring activities, designed to synthesize our understanding and further our knowledge of the Peconic Estuary System. It can be further broken down into three categories: 1) systemwide and site-specific investigations and implementation, 2) performing detailed water quality and natural resource investigations, 3) conducting management efforts, additional research and pilot demonstration projects (including Brown Tide research).

The administrative/regulatory element includes, but is not limited to:

- 1) Communicating regularly with all PEP participants about activities and issues to ensure consensus and that all views are fairly represented in work products
- 2) Coordinating activities among Federal, state, county, and local agencies as well as the public sector to obtain program objectives.
- 3) Managing the preparation of annual workplans, the CCMP, and budgets, in cooperation with all PEP participants.
- 4) Managing the preparation of all PEP work products, including data summaries, annual reports, technical reports, CAC products, and modelling activities, for content and accuracy before publication.
- 5) Ensuring the transfer of all PEP materials (e.g., work products, annual reports, meeting minutes, etc.) to the appropriate persons and locations (e.g., Management Conference participants, the public, local libraries, etc.).
- 6) Receiving and responding to requests for technical information and assistance regarding the PEP from the public, elected officials, USEPA Headquarters, and others.

Public involvement is addressed through a Public Participation strategy developed by the Citizens Advisory Committee. The Public Participation and Outreach Program will include disseminating information to educate the public regarding the scope, goals, and progress of the Peconic Estuary Program. This information will be disseminated through pamphlets, booklets, public service announcements, conferences, workshops, and other methods.

6. WORKPLAN TASKS FOR FFY05 FUNDS

The following are key FY05 funded activities, along with the Federal funding required to conduct the activities. The activities are summarized in table form in Appendix A.

Workplan Tasks for FFY05 Funds

All FY05 technical tasks are post-CCMP management-oriented. The technical program tasks are designed to address the priority topics of the Peconic Estuary as discussed in the Management Conference Agreement and Comprehensive Conservation and Management Plan. These tasks include implementing long-term monitoring and management frameworks, and facilitating

PEP FY 05 Workplan June, 2005

necessary technical and administrative efforts to allow effective post-CCMP implementation oversight. All efforts will be consistent with CCMP recommendations and actions.

The project descriptions include funding allocations, the anticipated efforts required to accomplish these tasks, information on milestones and due dates, and references to CCMP actions. Precise project details and requirements will be specified by the Management Conference as the PEP proceeds.

As a condition of this grant, it is understood that the Suffolk County Department of Health Services, as contract agency for the Peconic Estuary Program, will contract with the providers, if any, named in this workplan to carry out the workplan's tasks.

Tasks will be designed and conducted in a manner that will maximize geographic information system (GIS) use to manage resulting data. GIS mapping will occur as funding for specific tasks permit. Tasks also will conform to the data management strategy (December 22, 1993). The strategy will be designed to maximize accessibility and usefulness of data by systematically integrating the data management needs of the various project tasks.

The program tasks are summarized as follows:

i) Submerged Aquatic Vegetation Management and Long Term Monitoring (\$40,000 Federal funding; Cornell Cooperative Extension)

Milestone/due date: Ongoing activity, annual report

Related CCMP Action: HLR-6.2, CCMP Page 4-39; HLR 16.8, CCMP Page 4-65

Because of the importance of eelgrass habitat to the biodiversity and health of the Peconic Estuary, the Peconic Estuary Program will continue to contract Cornell Cooperative Extension (CCE) to track the health and extent of the eelgrass beds in the estuary. The Submerged Aquatic Vegetation Management and Long Term Monitoring Project includes vegetative sampling at six sites (Gardiners Bay, Orient Harbor, Southold Bay, Northwest Harbor, Three Mile Harbor, and Bullhead Bay) as well as other SAV-related activities. Responsible entities are the Suffolk County Department of Health Services (SCDHS), and CCE.

ii) Marine Conservation Planner Activities (\$61,000 Federal funding; The Nature Conservancy)

Milestone/due date: Ongoing activity

Related CCMP Action: M-2.2, CCMP Page 10-17

The PEP Marine Conservation Planner position, held by Dr. Marci Bortman, has been an asset to the Peconic Estuary Program. In FY05, the Marine Conservation Planner and her team of biologists, GIS technicians, and land preservation specialist will continue to assist in Peconic CCMP implementation, including managing the benthic mapping project, co-chairing the Natural Resources Subcommittee, overseeing the implementation of existing and future shellfish spawner sanctuaries, implementing the findings of the Critical Lands Protection Plan, and working with the Non-agricultural Nitrogen Work Group, among other activities. Implementing the Critical Lands Protection Plan includes merging the CLPP parcels onto State, County, and Town protection lists, helping Towns develop clearing restrictions, and restoring buffers next to

**PEP FY 05 Workplan
June, 2005**

tributaries and embayments. Responsible entities are the SCDHS and The Nature Conservancy.

iii) Benthic Mapping Survey (\$36,000 Federal funding; State University of New York at Stony Brook)

Milestone/due date: Ongoing activity, will likely be completed in 2008.

Related CCMP Action: HLR-16, CCMP Page 4-64

The Peconic Estuary Program, The Nature Conservancy, Suffolk County, and New York State continue to contract the State University of New York at Stony Brook to produce benthic habitat maps of the Peconic Estuary (to date, \$565,000 has been leveraged for this project). These benthic habitat maps are created using high-resolution remote sensing systems and groundtruthing. The maps will show sediment characteristics, bathymetry, shellfish beds, and submerged aquatic vegetation. The \$36,000 will help continue the benthic mapping survey, with the goal of eventually mapping the entire estuary.

Mapping of the estuary seafloor will increase our knowledge of benthic communities and shallow water habitats, which ultimately can be used to manage and protect finfish, shellfish, and other benthic communities. The benthic mapping survey could facilitate the implementation of numerous programs including CNRA management initiatives and a Suffolk County aquaculture leasing program, as well as aid in further defining Essential Fish Habitat areas (designating Essential Fish Habitat is a Magnuson-Stevens Act mandate for Federally-managed species).

iv) Water Quality Monitoring Program/Long-Term Monitoring (\$50,000 Federal funding; Suffolk County Department of Health Services)

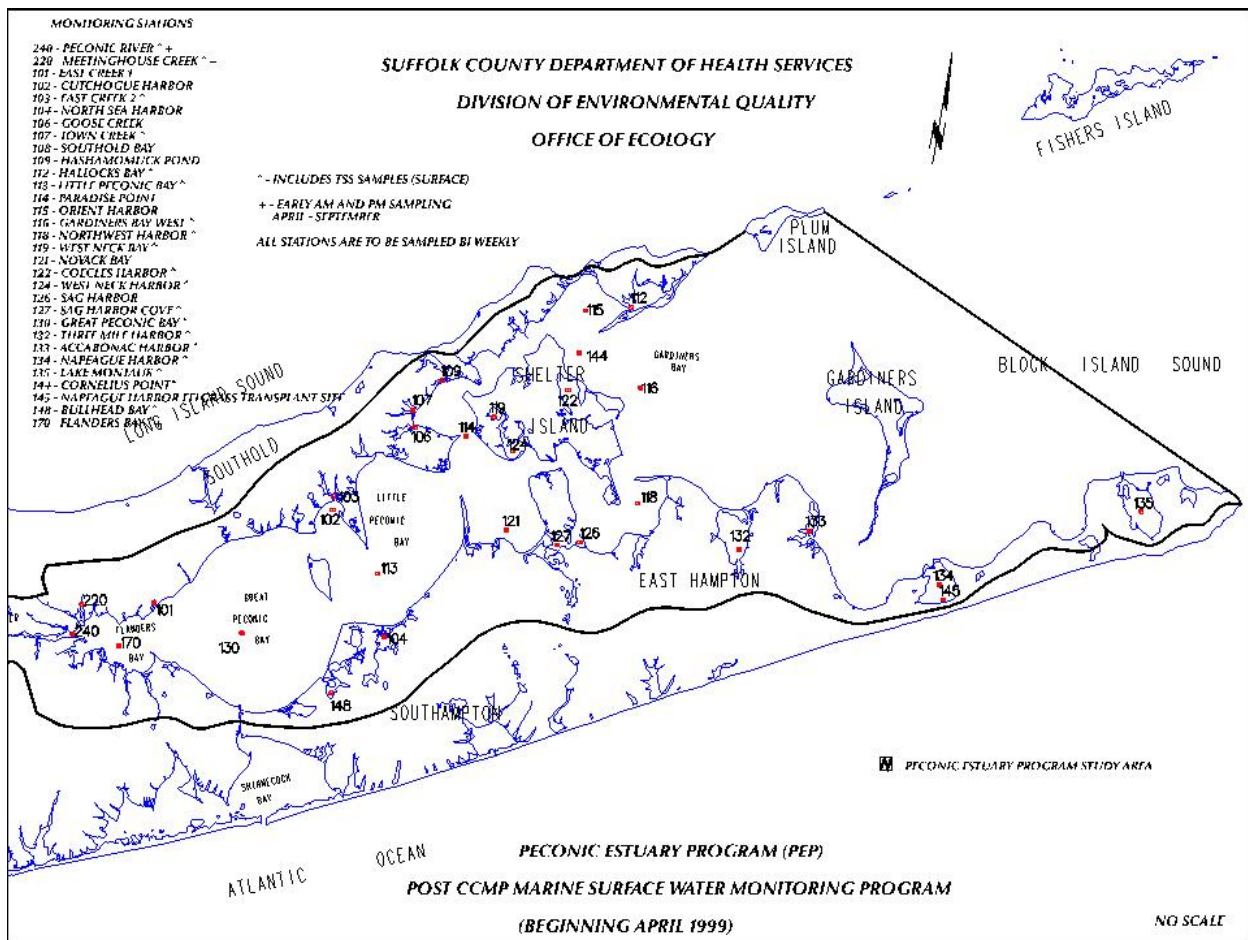
Milestone/due date: Ongoing activity

Related CCMP Action: M-2.1, CCMP Page 10-17

Based on key issues, management programs, and indicators identified in the CCMP, a water quality monitoring program was developed to evaluate the effectiveness of implementing CCMP actions. The water quality monitoring program conducted by the Suffolk County Department of Health Services (SCDHS) Office of Ecology includes monthly monitoring at 32 Peconic surface water quality stations throughout the year (see Figure 1 for map), periodic monitoring of point source stations, and weekly monitoring at the NADP rain gauge. Since 2002, SCDHS has also operated three continuous monitoring stations in the western estuary and is proud to announce the deployment of an additional continuous monitoring device in West Neck Bay, Shelter Island this summer. Water quality monitoring is essential to assess the effect of implementation on the environment, to analyze the effectiveness of programs in relation to their intended goals, and to make corrections in the course of the post-CCMP process. The data collected from this monitoring program were critical in listing the water segments in the western estuary on the 303(d) list for dissolved oxygen violations and in developing the nitrogen TMDL for select segments in the western estuary.

Figure 1 – SCDHS Surface Water Quality Monitoring Stations

**PEP FY 05 Workplan
June, 2005**



v) Report Preparation/Reproduction (\$966)

Milestone/due date: 2006

These funds will be used for publishing PEP newsletters, among other PEP reports. Of these funds \$500 will be retained by the USEPA – Region 2, Estuaries and Oceans Section for report reproduction (e.g., toner, paper, etc).

vi) Travel (\$10,000 Federal funding)

Milestone/due date: Ongoing activity

Related CCMP Action: M-1.1, CCMP Page 10-16

\$10,000 will be set aside for travel to National Estuary Program (NEP) related-meetings including:

- National and regional conferences, workshops, or meetings;
- Peer-to-peer technical assistance to other National Estuary Programs or neighboring communities; and,
- Bringing in staff or stakeholders from other NEPs or watershed programs to assist an NEP

To date a total of \$115,000 has been awarded for employee travel (\$57,500) and non-employee travel (\$57,500). Over 75% percent of the total travel funding has already been used. The

**PEP FY 05 Workplan
June, 2005**

Program Office estimates that 94% of the employee travel funding has been expended, and 63% of the non-employee travel funding has been used (approx. \$90,184 expended; see Appendix C).

The travel funds have been used for numerous travel purposes, including:

- ! Attendance of NEP Directors Meetings.
- ! Attendance at NEP-related technical, public education and outreach, local government-oriented meetings.
- ! Attendance at national and regional conferences to provide technology transfer (of PEP technologies).
- ! Travel support for peer reviewers and other professional and technical attendees at PEP conferences to provide input to the PEP.

vii) NYSDEC Staff (\$80,000 Federal funding; New York State Department of Environmental Conservation)

Milestone/due date: Ongoing activity

Related CCMP Action: M-2.3, CCMP Page 10-17

The State Coordinator's position has been vacant since November 2003. Residual funding for this position still exists from FY03 and FY04. Since there is a hiring freeze at the State level, the NYS Department of Environmental Conservation will fill the position soon using a subcontract to the New England Interstate Water Pollution Control Commission.

The purpose of the FY05 support will be to continue funding this position, carrying out day-to-day post-CCMP work required by the Management Conference. In addition, the State Coordinator will coordinate the Dredging Windows Conference, finalize the Eelgrass Management Plan, co-chair the Natural Resources Subcommittee and serve on the Non Agricultural Nitrogen Work Group, the Habitat Restoration Work Group, and the Critical Lands Protection Work Group. The coordinator will also review proposals submitted to New York State for state funding.

viii) Program Office (\$94,000 Federal funding; Suffolk County Department of Health Services)

Milestone/due date: Ongoing activity

Related CCMP Action: M-1.2, CCMP Page 10-16

The SCDHS serves as the PEP Program Office. The roles and responsibilities of the Program Office are defined in the Management Conference Agreement. The budget for the Program Office, including support for a PEP County Coordinator (\$90,604, including 39.53% fringe) and a copier lease (\$3,396).

ix) Technical Outreach Specialist (\$80,000 Federal funding)

Milestone/due date: Ongoing activity

Related CCMP Action: M-4.1, M-3.1, CCMP Pages 10-18 and 10-19

These funds will be used to continue to the position of a full-time Technical Outreach Specialist (*i.e.*, Environmental Planner). Ms. Shana Miller has held this position since January 2004.

Workplan components will include preparing the quarterly PEP newsletter *PEP Talk*,

**PEP FY 05 Workplan
June, 2005**

galvanizing support for diadromous fish habitat restoration projects, preparing fact sheets, updating the PEP website (www.peconicestuary.org) and conducting PEP programmatic activities with school and community groups, as time allows.

x) Webpage (\$10,000 Federal funding; contractor to be determined)

Milestone/due date: Ongoing activity

Related CCMP Action: POE-1.2, POE-3.4, POE-4.1, POE-5.4, POE-5.5

The Peconic Estuary Program website, www.peconicestuary.org, went online in August 2004. The site has proved to be an invaluable resource for PEP partners and citizens alike. In addition to www.peconicestuary.org, the rights to www.peconicestuary.com and www.peconicestuary.net were purchased. Both of these urls forward to www.peconicestuary.org. The \$10,000 in funding will be set aside to contract future website development.

xi) Citizens' Advisory Committee Program (\$50,000 Federal funding; Cornell Cooperative Extension)

Milestone/due date: Ongoing activity

Related CCMP Action: POE-8.3, CCMP Page 8-23

"Informing and involving the public and getting its support can be the most difficult aspect of an estuary program, yet it is the cornerstone of a successful NEP program . . ."

"Because so much is at stake, it is important to put the best talent, adequate resources, and full program commitment into designing and executing an effective process for public participation and commitment . . ." USEPA Journal, SAVING BAYS AND ESTUARIES

The proposed program recognizes the need for a positive approach to the East End business community, a segment of the public vital to CCMP implementation. It also recognizes the need to reach out to that segment of the general public, which has not been involved. These needs were emphasized by several CAC Focus Groups in their written reports to the CAC Chairman. A component of the program is to help people feel good about living, working, playing and visiting in the Peconic Watershed, one of the "last great places in the western hemisphere" (as designated by the Nature Conservancy) and that the Peconic Estuary is dear to their hearts - a commonly held treasure that they should care for. "People will protect what they love."
(Jacques Cousteau)

The messages to the public will follow a watershed, ecological theme "It's all connected" and emphasize that everyone can do something to help the bays. The CAC strategy will also involve the Management Committee, Local Governmental Committee and Technical Advisory Committee and will help to support their efforts and help to build trust in government. For a fully effective public education strategy, all NEP committees should integrate their outreach efforts with the CAC.

The Public Participation/Outreach Plan is designed to comport with the general categories of public participation proposals as set forth in USEPA guidance. These categories are summarized as follows:

**PEP FY 05 Workplan
June, 2005**

- < projects designed to provide the public with information necessary to participate in the selection of estuary management options for the CCMP; and
- < projects designed to demonstrate the effectiveness of public education as a management strategy for preventing or decreasing pollutant loadings or use impacts on estuarine resources.

All education and promotion materials will be attractive, easy to read and developed to lead to action. In-kind services will be donated. All materials also will be reviewed by appropriate NEP committee for approval. All major budget item activities shall be individually awarded on a competitive Request For Proposals basis coordinated by the CAC.

Grants/Funding to Local Entities

Task	Local Entity	Amount
(i)	Cornell Cooperative Extension (SAV Management)	\$40,000
(ii)	The Nature Conservancy (Marine Conserv. Planner Activities)	\$61,000
(iii)	State University of New York at Stony Brook – Marine Sciences (Benthic Mapping)	\$36,000
(iv)	Suffolk County (Water Quality Monitoring)	\$50,000
(v)	Suffolk County (Program Office)	\$94,000
(vi)	Suffolk County (Technical Outreach Specialist)	\$80,000
(vii)	Cornell Cooperative Extension (PEP CAC)	\$50,000

Funds Leveraged for 2004

The Peconic Estuary Program has documented \$45,084,186 in leveraged funds for 2004 (see Appendix D). Leveraged dollar amounts were determined using a simplified accounting procedure based on three criteria provided by EPA-HQ specified by the Coastal Bend Bays & Estuaries Program (*i.e.*, (1) Resources supporting NEP operations (staff, offices) or direct implementation of CCMP actions; (2) NEP played key role in obtaining the resources; and (3) Resources committed between a specific timeframe). Actual leveraged dollar amounts are likely higher but such a calculation is not possible at this time due to a lack of record keeping by all program participants. The PEP is therefore presenting a highly documented, but also highly conservative figure for leveraged funds. The use of other measures for determining leveraged dollar amounts, such as the Lower Columbia River Estuary Partnership Assessment Criteria (developed for use in regularly assessing the Partnership's role and its success in implementing the Management Plan), would have identified significantly greater dollar amounts. The leveraged dollar amount using the Coastal Bend Bays method roughly corresponds to the Lower Columbia River Estuary criteria for "Level A" support. "Level B" or "Level C" support would include tens of millions dollars raised and expended through the Community Preservation Fund (for open space acquisition) and funds pledged, raised and expended by numerous other PEP stakeholders.

The attached accounting details the following:

- *Suffolk County Department of Health Services Marine Monitoring Program - Laboratory,*

**PEP FY 05 Workplan
June, 2005**

fuel, ice, equipment and supplies costs for water quality monitoring in the Peconic Estuary

- *Suffolk County Department of Health Services Personnel* - SCDHS personnel time dedicated to Peconic Estuary Program issues and monitoring
- *Suffolk County Water Quality Protection and Restoration Program (1/4% Sales Tax)* – The sales tax revenues from this County program are used for three distinct categories: open space acquisition, farmland easements, and water quality improvement projects. The funds appropriated in 2004 for water quality improvement projects in the Peconic Watershed are reported herein.
- *New York State Clean Water/Clean Air Bond Act* – In November 1996, the voters of New York proclaimed their commitment to a clean environment by passing the 1.75 billion Clean Water Clean Air Bond Act. The Bond Act provides \$495 million to municipalities and soil and water conservation districts for water quality improvement projects. This includes \$30 million for water quality improvement projects included in the CCMPs of the Peconic Estuary Program and the South Shore Estuary Reserve.
- *Community Preservation Fund (2% Real Estate Transfer Tax)* – In November 1998, the voters of the five East End Towns of Long Island approved a referendum that added a two-percent transfer tax to real estate transfers in their communities. Revenues generated by the tax go into a Community Preservation Fund in the Town in which the transaction occurred for the purpose of protection and acquisition of open space and historic properties. This month, September 2002, marks the \$100 million mark for the Fund.

Approximately half of the Towns of Riverhead, Southold, Southampton and East Hampton and the entire town of Shelter Island are situated within the Peconic watershed

Non-Federal Match

The non-Federal match is provided by Suffolk County (\$431,966) and New York State Department of Environmental Conservation (\$80,000). The Suffolk County match consists of monitoring and laboratory support (\$110,000), Program Office support (\$120,000), and the Suffolk County Capital Program and the Suffolk County Water Quality Protection and Restoration Program (\$201,966). The NYSDEC match (\$80,000) consists of Clean Water/Clean Air Bond Act project awards.

7. PECONIC ESTUARY PROGRAM ADMINISTRATION; STAFF AND RESPONSIBILITIES

The Peconic Estuary Program is administered by a Management Conference, as outlined in the Management Conference Agreement. However, funding will be provided for support of most Management Conference activities, in the form of NYSDEC and SCDHS staff. State and County staff will provide many functions that are vital to the success of the Peconic Estuary Program. These tasks include planning and coordinating Management Conference activities, developing support documents for the Program, and providing State and County input into all levels of the

**PEP FY 05 Workplan
June, 2005**

Program. Staff support of the PEP is more fully discussed below.

The SCDHS Office of Ecology has been designated as the PEP Program Office. As such SCDHS, as the working arm of the Management Committee, is responsible for management and coordination of all routine aspects of the PEP.

NEP Program and Core Staff

Vito Minei, Program Manager (approx. 20% of time)

Walter Dawydiak, Deputy Program Manager (approx. 20% of time)

Sponsoring Institution: Suffolk County Department of Health Services

Location: Suffolk County Department of Health Services, County Center, Riverhead, NY 11901

Responsibilities and Funding Sources:

The SCDHS Division of Environmental Quality, directed by Mr. Vito Minei, stands at the national forefront as a progressive, pro-active County environmental agency. With approximately 170 employees, the division conducts comprehensive environmental programs through its offices of Pollution Control (*e.g.*, commercial and industrial pollution discharge monitoring, assessment, and management), Water (well drilling, groundwater quality monitoring, drinking water supply, etc.), Wastewater Management (including development and discharge permits), and Ecology. The Division also has a state-certified laboratory, which analyzes groundwater, surface water, and sediment samples for a broad array of organic and inorganic conventional parameters (nutrients, salinity, etc.), pesticides, metals, organics (*e.g.*, PAHs), Brown Tide, coliform bacteria, *enterococcus*, etc.

Mr. Vito Minei also serves as Program Manager of the Peconic Estuary Program and oversees the activities of the PEP Program Office, situated within the SCDHS Office of Ecology. Mr. Minei also marshals the multi-disciplinary resources of the Division to provide technical and administrative support for the PEP. Mr. Minei typically attends national NEP meetings, as well as Association of National Estuary Program functions.

Walter Dawydiak serves as the Chief Engineer for the SCDHS Division of Environmental Quality. With Mr. Minei, he oversees and works with many offices within the Division, including the Office of Ecology. The Office of Ecology oversees water quality-related planning studies for all of Suffolk's waters, including the Peconic Estuary Program, the Long Island Sound Study (LISS) Suffolk County Watershed Management Strategy, the South Shore Estuary Reserve (SSER) Suffolk County Monitoring Program, and the Source Water Assessment Program. The office also conducts an aggressive surface water monitoring program, having collected over 50,000 samples since 1988. Finally, the Office conducts State Environmental Quality Review Act (SEQRA) review for the SCDHS, and conducts and coordinates numerous other environmental review activities and programs.

As PEP Deputy Program Manager, Walter Dawydiak assists in overseeing activities of the Program Office (discussed below). He also manages the PEP County Coordinator (Laura Bavaro) and the Technical Outreach Specialist (Shana Miller), as well as other facets of the

**PEP FY 05 Workplan
June, 2005**

environmental management program.

Between them, Vito Minei and Walt Dawydiak bring over 50 years of professional environmental management experience to the PEP, with advanced degrees in engineering and law. They serve the program at no cost to the PEP, and are funded through the operating budget of the SCDHS. As such, their positions are not dependent on grant funds, and provide a great likelihood of continued local commitment and institutional longevity. Unique opportunities for interdisciplinary integration are also offered, by virtue of SCDHS commitment to the program.

Richard Balla, Federal Coordinator

Sponsoring Institution: U.S. Environmental Protection Agency – Region II

Location: U.S. Environmental Protection Agency, 290 Broadway, New York, NY 10007

Responsibilities:

The regional coordinator is responsible for ensuring that the Peconic Estuary Program and the CCMP comply with the requirements of the Clean Water Act, Federal regulations and EPA issued guidance. This includes serving as project officer or work assignment manager for all funds awarded in support of the program, including grants, cooperative agreements, interagency agreements, contracts and procurements. The coordinator participates in and represents EPA at PEP meetings, and meetings with other stakeholders, elected officials and the public. The coordinator serves as the liaison with EPA-HQ on matters related to the National Estuary Program and ensures that all reporting requirements are satisfied and program requirements are met. Within the regional office, the coordinator works to secure funding or services of other programs to complete actions in the CCMP. The coordinator works to ensure PEP goals and actions are consistent and integrated with other EPA functions and programs, including but not limited to: water quality standards, total maximum daily loads, wetlands protection, vessel waste no discharge areas, Superfund, the national pollutant discharge elimination system, stormwater management, dredged material management, monitoring and assessment, quality assurance/quality control requirements, peer reviews, nonpoint source management, pollution prevention, sustainable development, state revolving loan funds, RCRA programs, Clean Air Act programs, and matters related to Brookhaven National Laboratory. The coordinator is also responsible for working with other Federal Agencies (including FWS, NRCS, NOAA).

Vacant, State Coordinator

Sponsoring Institution: New York State Department of Environmental Conservation

Location: New York State Department of Environmental Conservation, 205 Belle Meade Road, East Setauket, NY 11733

Responsibilities:

The State Coordinator is responsible for assisting the New York State Department of Environmental Conservation in providing support to the Peconic Estuary Program Management Conference. The State Coordinator co-chairs the Natural Resources Subcommittee and serves on the Non-Agricultural Nitrogen Work Group, the Habitat Restoration Work Group, and the Critical Lands Protection Work Group. It is anticipated that the coordinator will also review proposals submitted to New York State for NYS Clean Air/Clean Water Bond Act funding and

**PEP FY 05 Workplan
June, 2005**

other State funding opportunities.

Laura Bavaro, Suffolk County Coordinator

Sponsoring Institution: Suffolk County Department of Health Services

Location: Suffolk County Department of Health Services, County Center, Riverhead, NY 11901

Responsibilities:

The County Coordinator works within the Program Office and is responsible for assisting the departments of Suffolk County in providing support to the Peconic Estuary Program Management Conference. The Suffolk County Coordinator serves on the Non-Agricultural Nitrogen Work Group, Nitrogen Total Maximum Daily Load Work Group, Natural Resources Subcommittee, and co-chairs the Critical Lands Protection Work Group. She also provides support for the Management Committee, Technical Advisory Committee, and Citizens Advisory Committee.

Dr. Marci L. Bortman, Marine Conservation Planner

Sponsoring Institution: The Nature Conservancy

Location: The Nature Conservancy, 250 Lawrence Hill Road, Cold Spring Harbor, NY 11724

Responsibilities:

The Marine Conservation Planner was responsible for developing the living resources characterization report, a living resources threats analysis, and the Living Resources Research and Monitoring Framework. She also participated in formulating natural resource protection and management recommendations for the CCMP in collaboration with the PEP Natural Resources Subcommittee. Responsibilities include providing technical review of project proposals and PEP-funded studies, co-chairing the Natural Resources Subcommittee, implementing the Critical Lands Protection Plan, and overseeing the Benthic Mapping Project.

Shana Miller, Technical Outreach Specialist

Sponsoring Institution: New York Sea Grant

Location: Suffolk County Department of Health Services, County Center, Riverhead, NY 11901

Responsibilities:

The Technical Outreach Specialist is a relatively new position within the Peconic Estuary Program Management Conference. Ms. Miller is integral part of the PEP Program Office and Program at large. Among other work objectives, Ms. Miller will continue to update the PEP CCMP tracking system, continue to produce the quarterly PEP newsletter, update and populate the PEP website, champion diadromous fish habitat restoration projects in the watershed, and continue to run the mini-grants program.

Peconic Estuary Program - Leveraged Funds for 2004

SCDHS Marine Monitoring

Laboratory Costs

Parameter	Samples Collected	Cost Each	Total Cost
Coliform Bacteria	454	\$20.48	\$9,298
Nutrients	1,353	\$32.66	\$44,184
TOC/DOC	0	\$9.98	\$0
TSS	74	\$7.04	\$521
Metals	131	\$26.58	\$3,481
Salinity	77	\$16.00	\$1,232
Aureococcus	21	\$24.99	\$525
Phytoplankton			\$0
Chlorophyll-a	352	\$5.46	\$1,921
VOCs	151	\$23.04	\$3,479
Carbamate Pesticides	134	\$6.24	\$836
Dacthal Metabolites	134	\$6.24	\$836
Chlorinated Pesticides	134	\$23.71	\$3,177
Herbicide Metabolites	134	\$82.32	\$11,031
Semi-volatile Organics	134	\$46.16	\$6,185

Fuel Costs

\$2,585.05

Ice Costs

\$1,139

Equipment and Supplies

\$13,194

Total

\$103,625

SCDHS Personnel

	Grade/Step	Days	PEP-related Salary	Fringe (* 1.3953)
Vito Minei	40/10A	48	\$24,494	\$34,177
Walter Dawydiak	34/7	51	\$18,513	\$25,831
Martin Trent	32/12	25	\$9,725	\$13,569
Robert Nuzzi	29/12	99	\$33,759	\$47,104
Tom Keenan	20/12	1	\$233	\$325
Robert Waters	28/12	23	\$7,498	\$10,462
Mark Long	16/5	162	\$25,596	\$35,714
Gary Chmurzynski	21/12	56	\$13,720	\$19,144
John Bredemyer*	21/12	79	\$19,355	\$27,006
Mike Jensen	21/7	138	\$28,980	\$40,436
Nancy Panarese	21/2	137	\$24,797	\$34,599
Alicia Marin	21/2	6	\$1,086	\$1,515
Nancy Panarese	21/2	137	\$24,797	\$34,599
Erin Duffy	19/2	11	\$1,815	\$2,532
Varughese George	19/2	109	\$17,985	\$25,094
Christopher Richmond	16/1	5	\$700	\$977

Total \$353,085

\$10,000 Sanitarian overtime in budget

-120,000**

368 Overtime\$/day

Total \$233,085

27 Days

* Corrected for \$10,000 sanitarian overtime budget of 27 days

** Used as grant match in FY04 Grant

2004 Suffolk County Capital Program 8235 - Peconic Estuary Program

\$150,000

- Automated Autoclave (\$11,000)
- Refrigerated centrifuge (\$11,000)
- Epifluorescence microscope (\$28,000)
- Benthic Mapping Survey (\$75,000)
- Submerged Aquatic Vegetation (Eelgrass) Restoration and Monitoring Strategy (\$25,000)

2004 Suffolk County Capital Program 8228 - Brown Tide Research

\$150,000

- \$40,000 Impacts of Groundwater Underflow on the Occurrence of Brown Tide (CCE)
- \$110,000 25' Parker Sampling Boat

Suffolk County Water Quality Protection and Restoration Program (1/4% Sales Tax Program) Projects in the Peconic Watershed

Total \$4,062,610

-370,000***

Total \$3,692,610

Resolution #	Intro. Resolution #	Amt Appropriated	Project
Res 839-2004	IR 1550-2004	\$780,964	Restoration of Peconic Bay Scallop
Res 1026-2004	IR 309-2004	\$171,646	three positions for SC Ag Stewardship Program
Res 150-2004	IR 2226-2004	\$600,000	Peconic Aquaculture Leasing Program Development
Res 309-2004	IR 2299-2004	\$270,000	Stormwater Mitigation Peconic Avenue
Res 311-2004	IR 2301-2004	\$1,145,000	Stormwater Mitigation Little Peconic River
Res 151-2004	IR 2314-2004	\$75,000	Meetinghouse Creek Dredging Feasibility Study
Res 417-2004	IR 2342-2004	\$1,020,000	Stormwater Mitigation Meschutt Park

*** Used as grant match in FY04 Grant

**New York State Clean Water/Clean Air Bond Act - 2004 Announcements
Projects in the Peconic Watershed**

	Total
	\$3,118,500
	-36,384****
Total	\$3,082,116
Comprehensive Stormwater Plan and Correct Road Runoff at Specific Sites	\$377,000
Restore Eelgrass and Initaitae Bay Scallop Restoration in Sag Harbor Cove	\$54,500
Calverton Sewage Treatment Plant Upgrade	\$2,500,000
Riverhead Sewage Treatment Plant Effluent Reuse Project - Indian Island Golf Course	\$148,750
Storm Drain Construction to Minimize Runoff	\$38,250

**** Used as grant match in FY04 Grant

Community Preservation Fund (2% Real Estate Transfer Tax) - 2004

Town	Total Collected	Total Leveraged by the PEP
Riverhead	\$4,157,434.47	\$2,078,717
Southold	\$5,799,161.78	\$2,899,581
Southampton	\$42,305,089.64	\$21,152,545
East Hampton	\$19,754,700.86	\$9,877,350
Shelter Island	\$1,664,556.20	\$1,664,556
Total		\$37,672,750

Grand Total \$45,084,186

Peconic Estuary Program - FY 05 Program Budget

Draft 04/20/05

TASK	First Year (FY94/93) NEP Funds	FY 95 NEP	FY96 NEP	FY 97 NEP	FY 98 NEP	FY 99 NEP	FY 00 NEP	FY 01 NEP	FY 02 NEP	FY03 NEP	FY04 NEP	FY05 NEP Funding	FY 05 Non Federal Match	Total FY05 NEP
A: TECHNICAL PROGRAM TASKS														
1: Land Use/Env. Resources and Underwater Land	80,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0
2: Economic Value Assessment and Financing Plan	15,000	60,000	100,000	40,000	0	0	0	0	0	0	0	0	0	0
3: Natural Resources														
a: Living Resources/Habitat Characterization (USFWS)	0	10,000		14,000	0	0	0	0	0	0	0	0	0	0
b: Shellfish survey/mgt., incl. substrate data	0	19,500	40,000	0	0	0	0	0	0	0	0	0	0	0
c. SAV management/long-term monitoring ¹	80,952	6,500	60,000	0	69,300	0	0	0	40,000	40,000	60,000	40,000	0	40,000
d. Priority species/critical areas management	14,048	0	0	0	0	0	0	0	0	0	0	0	0	0
e. Wetlands-status and trends ²	0	0	0	0	0	0	0	0	0	0	0	0	0	0
f. Marine Conservation Planner (Integrated Natural Resources Mgt.)	0	0	75,000	61,100	10,700	39,299	0	50,000	50,000	50,000	60,000	61,000	0	61,000
g. Fisheries Characterization (DEC)	0	5,000	0	0	0	0	0	0	0	0	0	0	0	0
h. Annotated Bibliography	0	20,000	0	0	0	0	0	0	0	0	0	0	0	0
I. Creeks - Natural Resource Mgt.	0	0	60,000	0	0	0	0	0	0	0	0	0	0	0
j. Benthic Mapping ³	0	0	0	0	0	0	55,000	0	0	30,000	50,000	36,000	0	36,000
k. Other Priority Living Resources & CCMP Tasks	0	0	0	0	0	701	0	0	0	0	0	0	0	0
l. Dredging Windows Conference	0	0	0	0	0	0	0	0	10,000	0	0	0	0	0
m. Spawner Sanctuaries	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4: Water Quality														
a: Toxics/Sediment Management ⁴	50,000	0	0	0	0	4,595	20,405	0	0	0	0	0	0	0
b: Monitoring program and long-term monitoring ⁵	100,000	100,000	100,000	100,000	80,000	40,000	22,095	40,000	50,000	50,000	50,000	50,000	110,000	160,000
c: Groundwater Discharge Determination	40,000	50,000	25,000	0	0	0	0	0	0	0	0	0	0	0
d: Surface Water Modelling/Technology Transfer ⁶	75,000	25,000	0	45,000	10,000	30,000	0	0	0	0	0	0	0	0
e: Groundwater Underflow Measurement	0	30,000	0	0	0	0	0	0	0	0	0	0	0	0
f: Sediment Nutrient Flux	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0
g: Sediment Accretion Study	0	0	50,000	0	0	0	0	0	0	0	0	0	0	0
h. Agricultural Environmental Management ¹⁵	0	0	0	0	0	0	0	0	0	40,000	64,000	0	0	0

Peconic Estuary Program - FY 05 Program Budget

Draft 4/20/05

TASK	First Year (FY94/93) NEP Funds	FY 95 NEP	FY96 NEP	FY 97 NEP	FY 98 NEP	FY 99 NEP	FY 00 NEP	FY 01 NEP	FY 02 NEP	FY03 NEP	FY04 NEP	FY05 NEP	FY 05 Non Federal Match	Total FY05 NEP Funding
5: Brown Tide Research	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6: Peer Reviews	0	4,500	5,000	5,000	1,500	0	10,500	0	0	0	5,000	0	0	0
B: REPORT - PREPARATION/ REPRODUCTION⁷	2,000	5,000	5,000	116,900	24,300	0	0	5,000	10,000	0	15,000	966	0	966
C: TAC AND LGC ADMINISTRATION	10,000	10,000	10,000	8,000	2,500	405	0	0	9,010	0	0	0	0	0
D: TRAVEL	15,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	0	10,000
E: NYSDEC STAFF	110,000	120,000	120,000	120,000	82,790	70,000	75,000	79,340	80,000	76,685	36,384	80,000	80,000	160,000
F: PROGRAM OFFICE⁸	63,000	75,000	75,000	76,800	72,210	75,000	75,000	75,000	90,000	90,000	90,000	94,000	120,000	214,000
G: PUBLIC PARTICIPATION⁹	100,000	100,000	75,000	90,000	45,700	70,000	50,000	50,000	30,000	50,000	50,000	50,000	0	50,000
1. State of the Bays Conference									20,000	0	0	0	0	0
H: PUBLIC HEALTH/STORMWATER MANAGEMENT¹⁰	0	0	0	0	36,500	0	0	0	0	0	0	0	0	0
I. ASSOCIATION OF NATIONAL ESTUARY PROGRAMS	0	0	0	2,500	1,000	0	0	0	0	0	0	0	0	0
J. NATIONAL ATMOSPHERIC DEPOSITION PRO(S)ITE						15,959	0	0	0	0	36,000	0	0	0
K: EPA SUPPLEMENTAL FUNDS¹¹ & S.C. CAPITAL PROGRAM	0	0	0	0	0	0	20,000	30,000	0	0	0		0	0
L: TECHNICAL OUTREACH SPECIALIST¹⁴									67,737	61,134	80,000	80,000	0	80,000
1. Special Projects/Mini Grants									22,263	8,866	30,000		0	0
M: WEBPAGE									20,000	0	0	10,000	0	10,000
N: SC Capital Program & 1/4% Funds											0	0	201,966	201,966
TOTAL	740,000 FY94 105,000 FY93 10,000 Local Govt.	800,500	810,000	689,300	446,500	355,959	338,000	339,340	509,010	506,685	636,384	511,966	511,966	1,023,932

Peconic Estuary Program - FY 05 Program Budget

Draft 3/22/05

NOTES:

1. FY94: \$75,000 Inventory, \$5,952 habitat criteria/transplant (formerly allocated to "priority species"); FY95: \$6,500 habitat criteria/transplants (formerly allocated to "sediment analyses"); FY96: \$38,140 long-term monitoring, \$21,860 habitat criteria/transplants. FY 98: SAV and Hardened Shoreline Inventory Contract (USFWS: \$19,300), Phase 2 SAV Long-Term Monitoring Contract (Cornell Coop. Ext.; \$50,000); FY02: Long-term monitoring, temperature and genetics work (Cornell Coop. Ext.; \$40,000); FY03 workplan will include restoration.
2. Status and Trends study funded over two years with \$95,000 from EPA Marine and Wetland Protection Branch.
3. Contracted to SUNYSB-MSRC.
4. USEPA laboratory support anticipated for toxics analysis in FY98, free of charge to Peconic Estuary Program. FY99, FY00: USGS Contract, "Monitoring Surface Water for Mosquito Insecticides" (r
5. Baseline Monitoring Program: \$20,000 for marine monitoring equipment, \$10,000 for groundwater investigations equipment, \$10,000 for laboratory equipment/supplies and \$10,000 for salary reimbursement for monitoring personnel (e.g., overtime reimbursement).
6. FY99 funding to be used for additional watershed management runs and watershed modelling and management runs.
7. FY97: Final report reproduction (\$41,900), Miscellaneous reproduction (\$10,000), Technical writer (\$65,000); FY98 Miscellaneous reproduction (\$5,000), Technical writer (\$19,300); FY01 Tehnical writer (\$5,000).
8. FY01: Senior Environmental Analyst (\$68,141), copier lease (\$6,000), office furniture and supplies (\$859); FY02: Senior Environmental Analyst (\$72,539), copier lease (\$6,000), and office furniture and supplies (\$11,461); FY 03: Senior Environmental Analyst (\$74,755), copier lease (\$6,000), and office furniture & supplies (\$9,245); FY04 Senior Environmental Analyst (\$77,058), copier lease (\$6,000) , office furniture and supplies (\$6,942).
9. The Peconic Estuary Program Management Committee will seek additional funds for public participation. Future budget modification may become necessary if alternative funding sources are not secured
10. FY98: Regional Stormwater Runoff Management Strategy - Horsley & Witten (\$26,500), Peconic BayKeeper (\$10,000)
11. EPA Supplemental Funds are being used to develop a CCMP tracking webpage.
12. Other priority activities in 2002 (i.e., eelgrass restoration, shellfish restortion, and benthic mapping) to be pursued through available funds in the Suffolk County 1/4% Sales Tax Program and/or the NYS Environmental Protection Fund.
13. Non-Federal Match Breakdown for FY04:
 - SCDHS: \$600,000 (monitoring program {110,000}, program office {120,000} and 1/4% sales tax program and capital program {370,000})
 - NYSDEC: \$36,384 in in-kind services
14. Tech Oureach Specialist contracted through NY Sea Grant, works out of the PEP Program Office.
Detailed workplan developed each year. FY 03: \$70,000 contracted directly from USEPA to NY Sea Grant for first year of position.

Appendix E

6/14/2005

PECONIC ESTUARY PROGRAM TRAVEL EXPENSE REPORT
TOTAL PEP TRAVEL EXPENDITURE 1994-2005 (March) = \$90,184
Employee Travel

Name	Travel Dates	Purpose of Trip	Total Cost
Dr. Robert Nuzzi	March 8-11, 1994	Marine & Estuarine Shallow Water Science & Management in the Mid-Atlantic Region, Atlantic City, NJ	\$487.75
Dr. Robert Nuzzi	April 27-28, 1995	New England Estuarine Research Society, New Hampshire	\$308.00
Dr. Robert Nuzzi	April 29-30, 1995	Northeast Algal Symposium, Massachusetts	\$196.40
Dr. Robert Nuzzi	April 27-28, 1996	Northeast Algal Symposium, Massachusetts	\$203.00
Dr. Robert Nuzzi	October 17-18, 1996	Long Island Sound Research Conference, Connecticut	\$201.00
Dr. Robert Nuzzi	December 1-5, 1996	The Interrelationship Among Habitats and Their Management, Atlantic City, NJ	\$725.00
Dr. Robert Nuzzi	October 12-16, 1997	14th International Estuarine Research Federation Conference, Rhode Island	\$1,003.72
Dr. Robert Nuzzi	March 15-19, 1998	Fourth Marine & Estuarine Shallow Water Science & Management Conf.	\$737.04
Dr. Robert Nuzzi	April 4-5, 1998	Northeast Algal Symposium, Massachusetts	\$351.50
Dr. Robert Nuzzi	July 12-15, 1998	Minding the Coast, Virginia	\$899.70
Dr. Robert Nuzzi	January 24-27, 1999	National Conference on Marine Bioinvasions, Massachusetts	\$949.89
Dr. Robert Nuzzi	June 19-23, 2000	3rd International Conf. On Molluscan Shellfish Safety, Southampton, New York	\$300.00
Dr. Robert Nuzzi	April 6, 2001	BT Workshop, West Long Branch, NJ	\$177.48
Dr. Robert Nuzzi	March 7-9, 2002	International Conference on Estuary Science and Management	\$700.00
Dr. Robert Nuzzi	October 21-25, 2002	Xth International Conference on Harmful Algae	\$2,282.00
Dr. Robert Nuzzi	October 22, 2003	NJ Brown Tide Seminar, Trenton, NJ	\$112.00
Dr. Robert Nuzzi	December 9-13, 2003	Second Symposium on Harmful Marine Algae in U.S., Woods Hole, MA	\$817.95
Dr. Robert Nuzzi	May 3-7, 2004	EMAP symposium 2004	\$114.00
Dr. Robert Nuzzi	May 3-7, 2005	EMAP symposium 2005	\$359.32
Dr. Robert Nuzzi	Mar. 7-10, 2005	HABs and Eutrophication, Baltimore, MD	\$1,023.80
		TOTAL	\$11,949.55
Walt Dawydiak	January 19-21, 1994	NEP Directors Meeting, Florida	\$830.00
Walt Dawydiak	February 13-17, 1995	NEP Directors Meeting, Louisiana	\$1,164.50
Walt Dawydiak	June 11-14, 1996	NEP Directors Meeting, MD	\$748.14
Walt Dawydiak	Sept. 20-23, 1993	NEP Tier IV Workshop, Corpus Christi, TX	\$1,041.00
Walt Dawydiak	Sept. 30- Oct. 1, 2000	ANEP/NEP Directors Meeting	\$714.53
Walt Dawydiak	September 25, 2002	Preparing Long Island Communities to Meet USEPA Stormwater Requirements	\$35.00
		TOTAL	\$4,533.17

Employee Travel (continued)

Name	Travel Dates	Purpose of Trip	Total Cost
Vito Minei	Sept. 20-23, 1993	NEP Tier IV Training Workshop, Corpus Christi, TX	\$953.50
Vito Minei	June 2-3, 1994	Economic & Environmental Valuation of Coastal Resources, Maine	\$315.90
Vito Mnei	Jan. 19-21, 1994	NEP Director's Meeting, Florida	\$830.00
Vito Mnei	Oct. 17-19, 1994	Coastal NonPoint Source Workshop, Tampa, Fl.	\$841.00
Vito Minei	Feb. 13-17, 1995	NEP Coastal Technology Transfer Directors Mtg., Louisiana	\$1,162.00
Vito Minei	June 5-8, 1995	Coastal Nonpoint Source Watershed Monitoring Workshop, ILL.	\$969.00
Vito Minei	Aug. 16-18, 1995	NEP Director's Meeting, Seattle, Wash.	\$1,157.00
Vito Minei	Jan. 29-30, 1996	New York Water Environmental Assoc., New York	\$542.00
Vito Minei	March 25-28, 1996	NEP Director's Mtg., Tier V Training, Virginia	\$683.00
Vito Minei	June 11-14, 1996	Watershed 1996, NEP Director's Mtg, Maryland	\$806.00
Vito Minei	Dec. 9-11, 1996	NEP Citizens Advisory Comm. Workshop . Directors Mtg, Boston, Mass	\$674.95
Vito Minei	Feb. 25-28, 1997	NEP Key Management Issues Workshop, San Francisco, CA	\$1,469.50
Vito Minei	June 10, 1997	NYWEA Environmental Technical Conference, Glen Cove, NY	\$105.00
Vito Minei	July 21-25, 1997	CZ '97 - NEP Director's Mtg, Boston, Mass.	\$1,495.00
Vito Minei	Mar. 9-12, 1998	NEP Director's Mtg., Washington, D.C.	\$912.00
Vito Minei	Oct. 25-29, 1998	NEP Director's Mtg., Santa Monica, CA	\$1,447.00
Vito Minei	Mar. 5-19 1999	NEP Director's Mtg, Washington, D.C.	\$876.72
Vito Minei	May 10-11, 1999	Manhattan, NY	\$52.00
Vito Minei	Sept. 25-30, 1999	New Orleans, LA	\$1,700.50
Vito Minei	Mar. 5-9, 2000	NEP Directors Mtg., Washington, DC	\$951.00
Vito Minei	Mar. 11-15, 2001	NEP Directors Mtg., Washington, DC	\$973.00
Vito Minei	Mar. 11-14, 2002	ANEP/NEP/EPA Directors' Meeting	\$797.78
Vito Minei	Sept. 25, 2002	Preparing Long Island Communities to Meet UEPA Stormwater Requirements	\$35.00
Vito Minei	Jan. 28-31, 2003	USEPA, Technology Transfer	\$818.40
Vito Minei	Mar. 17-20, 2003	ANEP/NEP/EPA Spring Meeting,, Washington, DC	\$901.25
Vito Minei	Mar 8-11, 2004	Spring 2004 USEPA NEP Meeting, Washington, DC	\$947.25
Vito Minei	Mar. 7-10, 2005	Spring 2005 NEP/EPA National Meeting	935.25
		TOTAL	\$23,351.00

Employee Travel (continued)

Name	Travel Dates	Purpose of Trip	Total Cost
Laura Klahre	March 12-16, 2000	Atlantic City, NJ	\$773.76
Laura Bavaro	Sept. 25, 2002	Preparing Long Island Communities to Meet USEPA Stormwater Requirements	\$35.00
Laura Bavaro	Nov. 14-15, 2002	Northeast Invasives Conf., Boston, MA	\$581.58
Laura Bavaro	Mar. 17-20, 2003	ANEP/NEP/EPA Spring Meeting, Washington, D.C.	\$835.25
Laura Bavaro	Sept. 17-29, 2003	Fall 2003 ANEP Meeting, Seattle, Washington, D.C.	\$1,660.24
Laura Bavaro		2004 USEPA NEP Spring Meeting, Washington, D.C.	\$1,277.79
Laura Bavaro	Oct. 19-23, 2004	Corpus Christi, Texas	\$1,294.35
		TOTAL	\$6,457.97
Kimberly Shaw	Sept. 25, 2002	Preparing Long Island Communities to Meet USEPA Stormwater Requirements	\$35.00
		TOTAL	\$35.00
Mara Hogan	Mar. 17-20, 2003	ANEP/NEP/EPA Spring Meeting, Washington, D.C.	\$320.00
Mara Hogan	April 12-16, 2003	Inaugural National Conference, Baltimore, Maryland	\$1,195.52
Mara Hogan	April 10, 2003	Forum on Monitoring Tidal Wetlands, RI	\$101.00
Mara Hogan	Sept. 17-19, 2003	Fall 2003 ANEP Meeting, Seattle, Washington	\$1,389.86
Mara Hogan	March 8-11, 2004	2004 USEPA NEP Spring Meeting, Washington, D.C.	\$429.00
Mara Hogan	Mar. 7-10, 2005	Spring 2005 NEP/EPA National Meeting	\$1,019.25
		TOTAL	\$4,454.63
Erin Duffy	Sept. 17-19, 2003	Fall 2003 ANEP Meeting, Seattle, Washington	\$1,657.36
		TOTAL	\$1,657.36
John Bredemeyer	April 27-30, 2004	Field Operations Training Course for the National Atmospheric Deposition Program	\$428.47
		TOTAL	\$428.47
Joseph Baier	February 13-17, 1994	NEP Director's Mtg., Louisiana	\$1,057.00
		TOTAL	\$1,057.00

Non-Employee Travel

Contractor's Name	Travel Dates	Purpose of Trip	Total Cost
Emerson Hasbrouck, Cornell Coop	Feb. 13-16, 1995	Coastal Technology Transfer Conference, New Orleans	\$1,010.00
Barnaby Freidman Town of East Hampton	Oct. 5-7, 1998	5th International Conference Remote Sensing, CA	\$390.00
Cynthia Decker, NYSDEC	Feb. 12-18, 1995	NEP Director's Meeting, New Orleans	\$1,381.00
Lisa Liquori, Town of East Hampton	Feb. 24-28, 1997	NEP Key Management Issues, San Francisco, CA	\$1,500.00
Huson Sherman,	Feb. 24-28, 1997	NEP Key Management Issues, San Francisco, CA	\$1,500.00
Susan Orenstein, RESOLVE, Inc.	June 5-6, 1996	Peconic Bay Estuary Program Riverhead, NY	\$2,428.19
Kevin McDonald, Group for South Fork	Dec. 8-10, 1996	PEP, Boston, Mass	\$658.06
Kevin McDonald, Group for South Fork	Feb. 24-Mar. 1, 1997	NEP Key Management Issues, San Francisco, CA	\$1,432.37
Kevin McDonald, Group for South Fork	Jul. 19-25, 1997	CZ-97' Conference, Boston, Mass.	\$921.46
Chris Pickerell, Cornell Coop. Ext.	Nov. 6-8, 1997	Pollution and Fishery Conference, South Carolina	\$856.60
Chris Smith Cornell Coop. Ext.	Jul. 22-23, 1997	CZ-97' Conference, Boston, Mass.	\$845.00
Chris Smith Cornell Coop. Ext.	Jan. 23-28, 1999	EPA Groundwater Forum Workshop, Denver, Colorado	\$1,485.00
Sandi Dumais,	Oct. 4-7, 1998	Remote Sensing Conference, San Diego, CA	\$1,462.00
Dr. Eric Schultz, Prof. Univ., Conn.	June 23-24, 1998	PEP Living Resources Research Workshop, NY	\$103.35
Blaine S. Kopp, Univ New Hampshire	June 23-24, 1998	PEP Living Resources Research Workshop, NY	\$167.20
William Murray, Conservation Impact	June 24, 1998	PEP Living Resources Research Workshop, NY	\$1,691.05
Kenneth Able, Univ. Rutgers	June 23-24, 1998	PEP Living Resources Research Workshop, NY	\$715.00
Dr. Ken Moore, VA Inst. Marine Sciences	June 23-24, 1998	PEP Living Resources Research Workshop, NY	\$949.36
Pat Kremer, Prof. Univ. Connecticut	June 23-24, 1998	PEP Living Resources Research Workshop, NY	\$81.71
Dr. Paul Hargraves Univ. Rhode Island	June 23-24, 1998	PEP Living Resources Research Workshop, NY	\$131.69
Ralph Tiner, USFWS	June 23-24, 1998	PEP Living Resources Research Workshop, NY	\$68.08
George Proios	May 10-12, 2004	Manhattan, NY	\$254.00
Gayle Marriner-Smith	Feb. 24-28, 1997	National Estuary Conference, San Francisco, CA	\$1,328.96
Gayle Marriner-Smith	Jul. 22-23, 1997	CZ-97 Conference, Boston, Mass.	\$385.00
Gayle Marriner-Smith	May 19-11, 1999	Manhattan, NY	\$133.30
Gayle Marriner-Smith	Mar. 5-9, 2000	Washington, DC	\$1,137.00
Gayle Marriner-Smith	Aug. 29-Sept. 3, 2000	USEPA 2000 National Community Involvement Conf., San Francisco, Ca.	\$1,688.63

Contractor's Name	Travel Dates	Purpose of Trip	Total Cost
Gayle Marriner-Smith	Oct. 1-6, 2000	NEP Conference, Sebasco Estates, Maine	\$882.40
Gayle Marriner-Smith	June 18-24, 2001	USEPA Community Involvement Conf., Texas	\$1,419.75
Gayle Marriner-Smith	June 25-26, 2001	Workshop in Philadelphia, Pa	\$598.21
Gayle Marriner-Smith	Mar. 15-20, 2003	ANEP/NEP/EPA Spring 2003 Conference, Washington, DC	\$1,528.28
Gayle Marriner-Smith	June 24-28, 2003	NEP Education Outreach Meeting, New Orleans	\$1,061.08
Gayle Marriner-Smith	Sept. 17-19, 2003	ANEP, Seattle, Washington	\$1,678.52
Gayle Marriner-Smith	March 7-10, 2004	ANEP Spring Meeting	\$1,391.85
Gayle Marriner-Smith	Oct. 19-23, 2004	ANEP Corpus Christi, TX	\$1,138.24
Shana Miller	March 8-10, 2004	ANEP Spring Meeting	950.25
Shana Miller	Oct. 19-23, 2004	ANEP Corpus Christi, TX	\$474.65
Shana Miller	March 7-10, 2005	ANEP Spring Meeting	\$432.70
TOTAL			\$36,259.94
GRAND TOTAL			\$90,184.09

\$53,924.15