

TOWN OF CHILMARK, MASSACHUSETTS

AGREEMENT BETWEEN CHILMARK AND UNIVERSITY

The AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ by and between the Town of Chilmark, Chilmark, Massachusetts, hereinafter referred to as the “TOWN”, and University of Massachusetts Dartmouth, with legal address and principal place of business at 285 Old Westport Road, N. Dartmouth, Massachusetts 02747, hereinafter referred to as the “UNIVERSITY”.

WITNESSETH: That for and in consideration of payments and agreements hereinafter mentioned, to be made and performed by the TOWN, the UNIVERSITY hereby agrees with the TOWN to provide professional services as specified in this agreement for a not to exceed price specified with each task and as defined in Attachment A and B.

NOW, THEREFORE, the University, for the compensation set forth, agrees to furnish professional services to the Town for the assessment & management of two (2) separate estuarine systems as flows: 1) the Chilmark Pond Estuary and 2) the Menemsha Pond/Squibnocket Pond Estuarine System. The University shall coordinate all efforts through the Town’s representative, Tim Carroll, Executive Secretary to the Board of Selectmen. The University shall provide competent data collection and data analysis and consulting services in accordance with accepted standards of the profession.

ARTICLE I: Terms and Conditions

The Town hereby contracts with the University to provide data collection and data analysis in accordance with the Scope of Services (Attachment A and B). Additionally, the Town hereby contracts with the University to provide technical services with regards to utilizing the Massachusetts Estuaries Project analytical approach for nutrient threshold development in both the Chilmark Pond embayment as well as the Menemsha/Squibnocket Pond embayment.

The duration of this contract is estimated to be 18 months. All data generated in connection with this contract will be distributed through the Town or its designee during the period of performance unless written permission to do otherwise is provided by the Town. All parties agree that any publications using any or part of the data should acknowledge both the Town and the University.

The contract shall be subject to Force Majure considerations and in the event that either party hereto shall be prevented from the performance of any act required there under by reasons of strikes, lockouts, labor trouble, inability to procure materials, failure of power, fire, winds, Acts of God, riots, insurrections, war or other reason of a like nature not reasonably within the control of the party in performing any obligations shall be excused for the period of non-performance, and the period for the performance of such obligations shall be extended for an equivalent period for no additional cost to the Town.

Continued failure to perform for periods aggregating sixty (60) or more days, even for causes beyond the control of the University, shall be deemed to render performance impossible, and the Town shall thereafter have the right to terminate this agreement in accordance with the provisions of the Article entitled "Termination of Contract". Upon termination, University shall be reimbursed for all costs and non-cancelable commitments incurred in performance of this project.

#### ARTICLE II: Contract Documents

This Agreement shall include the following documents that are attached hereto and incorporated by reference:

**Attachment A** – Quantitative Assessment of the Chilmark Pond Estuary with the Town of Chilmark to Support Management and Restoration: Nutrient Loading and Environment Health (\$54,500)

**Attachment B** – Quantitative Assessment of the Menemsha Pond and Squibnocket Pond Estuary with the Towns of Chilmark, Aquinnah and Wampanoag Tribe of Gay Head to Support Management and Restoration: Nutrient Loading and Environment Health (\$31,767)

**Figure A** – Costs and Deliverables for Attachment A Tasks

**Figure B** – Costs and Deliverables for Attachment B Tasks

#### ARTICLE III: University's Warranties and Representations

University represents that it will provide the services described in Attachment A and Attachment B in a professional, efficient manner, on time and on budget. If the deliverables can not be delivered on time and on budget, the University will contact the Town to explain the delay or possible increase in project costs.

#### ARTICLE IV: Compensation, Payment Terms, and Period of Performance

The Town agrees to pay invoices on a quarterly basis with the payment of a final invoice as submitted to the Town by the University upon satisfactory completion of the Scope of Services. Payment of final invoice will be made no more than 30 days from the satisfactory completion of the Scope of Services.

The compensation for the consulting services shall be at the rate(s) as identified in Attachment A and B.

Overall Town project management will be the responsibility of Tim Carroll. Tim Carroll will also function as the Town Project Quality Control Manager.

Payment will be made quarterly upon submittal and approval of invoices. Work under this contract shall not exceed \$86,267 during the contract period without written authorization by the Town of Chilmark.

All such invoices will be paid promptly by the Town unless any items thereon are questioned, in which event the questioned portion of the payment will be withheld pending verifications of the amount claimed and the validity of the claim. The Town will notify the University of any questions within seven (7) calendar days of receipt of an invoice. University shall provide complete cooperation during any investigation.

Invoices should refer to the Contract Title and should be submitted to the following address:

Town of Chilmark  
Chilmark Town Hall  
401 Middle Road, P.O. Box 119  
Chilmark, MA 02535  
Attention: Tim Carroll

A budget status report shall accompany the invoice summarizing each task identified in Attachment A and B, budget expended to date, and percent of work completed to date.

This Agreement shall not be assigned by the Town or the University without the prior written approval of both parties.

Period of Performance shall be July 1, 2012 to December 31, 2013.

#### ARTICLE V: Termination of Contract

Performance under this agreement may be terminated by either party upon sixty (60) days written notice. Upon termination, University will be reimbursed for all costs and non-cancelable commitments incurred in the performance of the work, such reimbursements shall not exceed the total project costs as specified in this Agreement.

#### ARTICLE VI: Relationship and Insurance

The relationship between the Town and the University is and shall continue to be that of an independent contractor and no liability or benefits, including worker's compensation, pension rights or other liabilities arising out of a contract for hire or employee/employer relationship shall arise or accrue to either party as a result of this agreement.

University warrants and represents that University has general liability insurance, such protection being applicable to officers, employees, faculty and students while acting within the scope of their employment by University, and University has no liability insurance policy as such that can extend protection to any other person. The coverage shall be in force from the time of the

execution of this agreement to the date when all work conducted under this scope of services is complete and accepted by the Town.

ARTICLE VII: Future Works

Work required beyond the Scope of Services in this contract, including additional analysis, meetings, or liaison will be completed by the University if requested in writing by the Town and agreed upon by the University. Such changes, including an increase or decrease in the amount of compensation or additional years of monitoring, which are mutually agreed upon in writing by the Town and the University shall be incorporated as written amendments to this Agreement.

ARTICLE VIII: Controlling Law

The laws of the Commonwealth of Massachusetts shall govern this Agreement.

ARTICLE IX: Equal Employment Opportunity Anti-Discrimination Program

During the performance of this Agreement, the University for itself, its assignees, and successors in interest, agree as follows:

- A. The University, in the performance of all work after award and prior to completion of the contract work, will not discriminate on the grounds of race, color, religious creed, national origin, age or sex in employment practices, in the selection or retention of subcontractors, or in the procurement of materials and rental of equipment. Fair Employment Practices Law of the Commonwealth (M.G.L. Chapter 151B)

The University by signing the Agreement offered by the Town agrees to abide by the above paragraph to the best of his/her ability.

ARTICLE X: Entire Contract

This agreement constitutes the entire understanding and agreement between the parties hereto and supersedes all prior and contemporaneous written agreements between the parties and their predecessors in interest regarding the subject matter of this contract. The contract may not be changed, altered, amended, modified or terminated orally, except as specified, and any such change, alteration, or modification must be in writing and executed by the parties hereto.

ARTICLE XI: Notices

Whenever any provisions of this Agreement requires the giving of written notice to the Owner, it shall be deemed to have been validly given if delivered by person or by registered mail to the following: Town of Chilmark, Chilmark Town Hall, 401 Middle Road, P.O. box 119, Chilmark, MA 02535 (Tim Carroll) or his designee.

ARICLE XII: Indemnification

Each party shall be responsible for its negligent acts or omissions and the negligent acts or omissions of its employees, officers, or directors, to the extent allowed by the law.

IN WITNESS WHEREOF, the parties executed this contract under their several seals the day and year first written above. The cost of consulting services authorized by this Agreement shall not exceed \$86,267 without written authorization from the Owner.

TOWN OF CHILMARK  
Chilmark Town Hall  
401 Middle Road, P.O. Box 119  
Chilmark, MA 02535

Signed: \_\_\_\_\_  
Tim Carroll  
Executive Secretary to the Board of Selectmen

UNIVERSITY OF MASSACHUSETTS - DARTMOUTH  
Office of Research Administration  
285 Old Westport Road  
N. Dartmouth, Massachusetts 02747

Signed: \_\_\_\_\_  
Joanne Zanella-Litke  
Director

ATTACHMENT A

SCOPE OF WORK – CHILMARK POND ESTUARY



University of Massachusetts Dartmouth  
The School for Marine Science and Technology

Massachusetts  
Department of  
Environmental  
Protection



## **Assessment & Management Chilmark Pond Estuary**

(ATTACHMENT A)

***Project: Quantitative Assessment of the  
Chilmark Pond Estuary with the  
Town of Chilmark  
to Support Management and Restoration:  
Nutrient Loading and Environment Health***

***Data Collection and Modeling Required for Massachusetts Estuaries Project  
Linked Watershed-Embayment Nitrogen Management Approach***

**Dr. Brian L. Howes & Roland Samimy  
DEP/SMAST Massachusetts Estuaries Project  
Coastal Systems Program  
School of Marine Science and Technology - UMD**

**Overview:** The overall scope of the this project to be performed as a collaborative effort by the Town of Chilmark (appropriate departments and committees and citizens groups) and the DEP/SMAST Massachusetts Estuaries Project (MEP). SMAST (School for Marine Science and Technology-UMD) serves as the technical and fiscal coordinator for this effort.

**The overarching project goal is the protection and restoration of the health of the Chilmark Pond Estuary through watershed-embayment nitrogen management planning.** The specific goals of the project are:

- to establish the nutrient related health of the Chilmark Pond Estuary through review of existing studies and data from the water quality monitoring efforts (conducted with the Martha's Vineyard Commission – William Wilcox);
- to conduct data collection, produce field validated hydrodynamic and Nitrogen Models of the embayment of concern;
- to evaluate the spectrum of nitrogen management options on a site specific basis for each embayment, including both soft solutions (ecological manipulations, tidal manipulation,

regulatory options, etc) and hard solutions (wastewater facilities, runoff control, etc);

- to test “what if” scenarios to address the efficacy of nitrogen management options recommended from regional and national experience, by the Town (Chilmark) MEP Committee and any consultants to the Town;
- to assess hydrodynamic changes and possible water quality changes (preliminary) associated with any opening of Chilmark Pond to the ocean to enhance tidally driven flushing;
- to enhance public education as to the health of the Chilmark Pond embayment, its future and best practices for protection and restoration.

The project will be conducted over a two year period. The major time limitation is generally the need to collect three years of baseline nutrient data, but MEP has determined that this requirement has been met by the MVC (and historic) monitoring efforts. The “higher level” data (nitrogen recycling, hydrodynamics, etc) will be conducted by the MEP Technical Team.

The overall project (estuarine monitoring and assessment, modeling and synthesis) will be under the direction of the MEP Technical Team, Dr. Brian L. Howes, Manager of the Coastal Systems Program at SMAST-UMD and Technical Director of the Massachusetts Estuaries Project. The University will serve as the prime contractor for this effort, although technical specialists with proven capabilities and experience within the region will be integrated into the project as required.

The project will work with the Town of Chilmark and associated groups (for example, Martha’s Vineyard Commission) to evaluate the Chilmark Pond Estuary relative to its tolerance for watershed nitrogen loading (level of “acceptable” nitrogen loading and the spatial distribution of that loading). The goal of this project is to provide information necessary to support both hard and soft approaches to the management and restoration plans for this embayment. A quantitative numerical model will be parameterized using site specific information and field validated using both freshwater inflow, measured tidal flows and present salinity and nutrient distributions. The model to be used has been accepted at the necessary approach by DEP and EPA for southeastern Massachusetts embayments.

The project tasks will include: data collection focusing on watershed source analysis, nutrient distributions, development of a hydrodynamic model, mapping of eelgrass and wetlands, and survey of benthic indicator species. These parameters, when coupled, provide the data base for synthesis of nitrogen dynamics within the system, enabling construction of a water quality numerical model and overall evaluation of the current and potential ecological health of the Chilmark Pond System. The synthesis, model and evaluation will then support management and restoration plans for Chilmark Pond, at the projects completion and in the short-term, potential effects on circulation and flushing related to any potential openings of the pond to the ocean.

## **PROJECT TASKS**

Chilmark Pond Nitrogen Management and Restoration Project captures the following basic project components:

### **Nitrogen Related Water Quality Monitoring (pre-existing)**

#### **Hydrodynamic Modeling**

- bathymetric survey
- data collection on tidal exchange, salinity distributions, validation by velocity (ADCP)
- quantitative numerical modeling & validation
- assessment of circulation and flushing related to potential openings of the Pond to the ocean

#### **Watershed Nitrogen Loading**

- confirmation of delineation
- data collection on stream flow & nitrogen load (annual)
- land-use data (from Town Planning and/or MVC)
- watershed nitrogen model (present, buildout and “best case”)

#### **Quantitative Watershed-Embayment Nitrogen Model**

- nitrogen regeneration within embayments
- system predictive model, with validation

#### **Habitat Assessment**

- dissolved oxygen (high frequency measurements in targeted areas)
- macrophyte surveys (eelgrass & macroalgae), with incorporation of historical data
- benthic infauna community (indicators of stress)

#### **Synthesis of Modeling and Habitat Assessments**

- determination of nitrogen loading tolerances (i.e. threshold nitrogen loads)
- projection of embayment health under build-out and best case potential loadings
- evaluation of soft and hard nitrogen management options (initial screening)

#### **Information Transfers**

- presentations and discussions with MEP committee
- public meetings and workshops
- reports and data displays

The tasks required to fulfill all of the data needs and goals of the project are detailed in an expanded Massachusetts Estuaries document and are available on request.

**FIGURE A**

**COST AND DELIVERABLES FOR ATTACHMENT A**

**Chilmark Pond System (upper Chilmark Pond+Chimark Pond+Wades & Gilberts Cove) - Marthas Vineyard  
Town of Chilmark  
Estuaries Project: Assessment, Synthesis, Modeling & Recommendations**

These are "not to exceed" cost estimates and may be reduced based upon existing data review.  
Funds for match can be from Town resources, grants, private sources.

	<b>Task Description</b>	<b>Total Town/Private Funds for Match by Estuaries Project* Chilmark Pond System (includes upper Chilmark Pond)</b>	<b>MV Credits</b>	<b>MEP Match \$</b>	<b>Total Project Costs</b>
<b>Task 1</b>	Compilation and review of previous studies/data	<b>\$2,000</b>		\$2,000	\$4,000
<b>Task 2</b>	Cummulative Nitrogen Loading Determination Watershed delineation Land-use	<b>\$4,500</b>		\$4,500	\$9,000
<b>Task 3</b>	River Transport from watershed to estuaries Gauging and nutrient sampling 2 Streams, 14-16 months Gauge in Pond	<b>\$15,000</b>		\$15,000	\$30,000
<b>Task 4</b>	Nitrogen recycling within the receiving estuaries ~24 sites total	\$11,000		\$11,000	\$22,000
<b>Task 5</b>	Assessment of nutrient related health Total/Estuary--> Infaunal Animal Survey Eelgrass/Macroalgal Survey & Historical Reconstruction D.O. Moorings (6)	\$8,000		\$8,000	\$16,000
<b>Task 6</b>	Hydrodyamic field data collection and modeling Bathimetry Stage data, moorings Velocity data (validation) Hydrodynamic model Assessment of Inlet/Drawbridge	\$10,000		\$10,000	\$20,000
<b>Task 7</b>	Water Quality Models & Senario Runs	\$10,000		\$10,000	\$20,000
<b>Task 8</b>	Nitrogen Loading, Ecological Health, Management Report	\$14,000		\$14,000	\$28,000
	<b>Total Project Cost (to be matched by Estuaries Project) =</b> <b>Credit for previously collected usable data =</b>	<b>\$74,500</b> <b>TBD</b>		<b>\$74,500</b>	<b>\$149,000</b>
<b>Task 9</b>	Meetings, Outreach Tools				

\* Estuaries Project Matches \$\$ on ~ 1:1 basis, "Credits" are for existing data sets that support MEP analysis.

It should be noted that the **Total Project Cost to the Town of Chilmark is \$54,500** due to the application of \$20,000 contributed by the Chilmark Pond Association for the development of a hydrodynamic model of the pond that is directly applicable to the MEP analysis of the Chilmark Pond system.

ATTACHMENT B

SCOPE OF WORK – MENEMSHA POND AND SQUIBNOCKET POND ESTUARY



University of Massachusetts Dartmouth  
The School for Marine Science and Technology

Massachusetts  
Department of  
Environmental  
Protection



## **Assessment & Management Squibnocket Pond – Menemsha Pond Estuary**

(ATTACHMENT B)

***Project: Quantitative Assessment of the  
Squibnocket - Menemsha Pond Estuarine System with the  
Wampanoag Tribe of Aquinnah and the  
Towns of Aquinnah and Chilmark  
in Support of Management and Restoration:  
Nutrient Loading and Environment Health***

***Data Collection and Modeling Required for Massachusetts Estuaries Project  
Linked Watershed-Embayment Nitrogen Management Approach***

**Dr. Brian L. Howes & Roland Samimy  
DEP/SMAST Massachusetts Estuaries Project  
Coastal Systems Program  
School of Marine Science and Technology - UMD**

**Overview:** The overall scope of the this project to be performed as a collaborative effort between the Wampanoag Tribe of Aquinnah, the Towns of Aquinnah and Chilmark (appropriate departments and committees and citizens groups) and the DEP/SMAST Massachusetts Estuaries Project (MEP). SMAST (School for Marine Science and Technology-UMD) serves as the technical and fiscal coordinator for this effort.

**The overarching project goal is the protection and restoration of the health of the Squibnocket Pond – Menemsha Pond Estuarine system (inclusive of Nashaquitsa Pond) through watershed-embayment nitrogen management planning.** The specific goals of the project are:

- to establish the nutrient related health of the Squibnocket – Menemsha Pond Estuary through review of existing studies and data from the water quality monitoring efforts (conducted with the Martha’s Vineyard Commission – William Wilcox);
- to conduct data collection, produce field validated Hydrodynamic and Nitrogen Models of the embayment of concern;

- to evaluate the spectrum of nitrogen management options on a site specific basis for each embayment, including both soft solutions (ecological manipulations, tidal manipulation, regulatory options, etc) and hard solutions (wastewater facilities, runoff control, etc);
- to test “what if” scenarios to address the efficacy of nitrogen management options recommended from regional and national experience, by the yet to be established bi-Town (Aquinnah/Chilmark) and Wampanoag Tribe MEP Committee and any consultants to the Towns;
- to assess hydrodynamic changes and possible water quality changes (preliminary) associated with any manipulations of the Pond system relative to the ocean;
- to enhance public education as to the health of the Squibnocket - Menemsha Pond embayment system, its future and best practices for protection and restoration.

The project will be conducted over a two year period, assuming supporting matching funds are provided by the Massachusetts Department of Environmental Protection (MassDEP) as a project partner. The major time limitation is generally the need to collect three years of baseline nutrient data, but MEP has determined that this requirement has been met by the MVC and Wampanoag Tribe (and historic) monitoring efforts. The “higher level” data (nitrogen recycling, hydrodynamics, etc) will be conducted by the MEP Technical Team.

The overall project (estuarine monitoring and assessment, modeling and synthesis) will be under the direction of the MEP Technical Team, Dr. Brian L. Howes, Manager of the Coastal Systems Program at SMAST-UMD and Technical Director of the Massachusetts Estuaries Project. The University will serve as the prime contractor for this effort, although technical specialists with proven capabilities and experience within the region will be integrated into the project as required.

The project will work with the Wampanoag Tribe of Aquinnah, the Towns of Aquinnah and Chilmark and associated groups (for example, Martha’s Vineyard Commission) to evaluate the Squibnocket - Menemsha Pond Estuarine system relative to its tolerance for watershed nitrogen loading (level of “acceptable” nitrogen loading and the spatial distribution of that loading). The goal of this project is to provide information necessary to support both hard and soft approaches to the management and restoration plans for this embayment. A quantitative numerical model will be parameterized using site specific information and field validated using both freshwater inflow, measured tidal flows and present salinity and nutrient distributions. The model to be used has been accepted at the necessary approach by DEP and EPA for southeastern Massachusetts embayments.

The project tasks will include: data collection focusing on watershed source analysis, nutrient distributions, development of a hydrodynamic model, mapping of eelgrass and wetlands, and survey of benthic indicator species. These parameters, when coupled, provide the data base for synthesis of nitrogen dynamics within the system, enabling construction of a water quality numerical model and overall evaluation of the current and potential ecological health of the

Squibnocket - Menemsha Pond System. The synthesis, model and evaluation will then support management and restoration plans for the system at the projects completion and in the short-term, potential effects on circulation and flushing related to potential changes in the manipulations of the ponds relative to the ocean.

## **PROJECT TASKS**

Squibnocket – Menemsha Pond Nitrogen Management and Restoration Project captures the following basic project components:

### **Nitrogen Related Water Quality Monitoring (pre-existing)**

### **Hydrodynamic Modeling (MEP Technical Lead – John Ramsey, Applied Coastal Research and Engineering)**

- bathymetric survey
- data collection on tidal exchange, salinity distributions, validation by velocity (ADCP)
- quantitative numerical modeling & validation
- assessment of circulation and flushing related to opening of the Pond to the ocean

### **Watershed Nitrogen Loading (MEP Technical Lead – Eduard Eichner and Roland Samimy, SMAST)**

- confirmation of delineation
- data collection on stream flow & nitrogen load (annual)
- land-use data (from Town Planning and/or MVC)
- watershed nitrogen model (present, buildout and “best case”)

### **Quantitative Watershed-Embayment Nitrogen Model (MEP Technical Lead – David Schlezinger, SMAST and John Ramsey, Applied Coastal Research and Engineering)**

- nitrogen regeneration within embayments
- system predictive model, with validation

### **Habitat Assessment (MEP Technical Lead – Brian Howes and David Schlezinger, SMAST)**

- dissolved oxygen (high frequency measurements in targeted areas)
- macrophyte surveys (eelgrass & macroalgae), with incorporation of historical data
- benthic infauna community (indicators of stress)

**Synthesis of Modeling and Habitat Assessments (MEP Technical Lead – Brian Howes, SMAST)**

- determination of nitrogen loading tolerances (i.e. threshold nitrogen loads)
- projection of embayment health under build-out and best case potential loadings
- evaluation of soft and hard nitrogen management options (initial screening)

**Information Transfers (MEP Technical Lead – Brian Howes, SMAST)**

- presentations and discussions with MEP committee
- public meetings and workshops
- reports and data displays

The tasks required to fulfill all of the data needs and goals of the project are detailed in an expanded Massachusetts Estuaries document and are available on request.

## FIGURE B – COST AND DELIVERABLES FOR ATTACHMENT B TASKS

**Squibnocket - Menemsha Pond - Marthas Vineyard**  
**Wompanoag Tribe of Aquinnah, Towns of Aquinnah and Chilmark**  
**Estuaries Project: Assessment, Synthesis, Modeling & Recommendations**  
 Tentative Budget Proposal: 2/5/2006 revised to reflect credit 3/8/10  
 These are "not to exceed" cost estimates and may be reduced based upon existing data review.  
 Funds for match can be from Town resources, grants, private sources.

	Task Description	Total Town/Private Funds for Match by Estuaries Project* Squibnocket - Menemsha Pond (includes Nashaquitsa Pond)	MV Credits	MEP Match \$	Total Project Costs
<b>Task 1</b>	Compilation and review of previous studies/data	\$2,000		\$2,000	\$4,000
<b>Task 2</b>	Cummulative Nitrogen Loading Determination Watershed delineation Land-use	\$4,500		\$4,500	\$9,000
<b>Task 3</b>	River Transport from watershed to estuaries Gauging and nutrient sampling 3 Streams, 14-16 months	\$18,000		\$18,000	\$36,000
<b>Task 4</b>	Nitrogen recycling within the receiving estuaries 32 ~ sites total	\$16,000		\$16,000	\$32,000
<b>Task 5</b>	Assessment of nutrient related health      Total/Estuary--> Infaunal Animal Survey Eelgrass/Macroalgal Survey & Historical Reconstruction D.O. Moorings (10)	\$9,800		\$9,800	\$19,600
<b>Task 6</b>	Hydrodynamic field data collection and modeling ** Bathimetry Stage data, moorings Velocity data (validation) Hydrodynamic model Assessment of Inlet/Drawbridge	\$10,000		\$10,000	\$20,000
<b>Task 7</b>	Credit for historic data collection paid for by the Tribe Water Quality Models & Senario Runs **	-\$3,767 \$15,000		\$15,000	\$30,000
<b>Task 8</b>	Nitrogen Loading, Ecological Health, Management Report	\$20,000		\$20,000	\$40,000
	<b>Total Project Cost (to be matched by Estuaries Project) =</b> <b>Credit for previously collected usable data =</b>	<b>\$91,533</b> <b>TBD</b>		<b>\$95,300</b>	<b>\$190,600</b>
<b>Task 9</b>	Meetings, Outreach Tools				

\* Estuaries Project Matches \$\$ on ~ 1:1 basis, "Credits" are for existing data sets that support MEP analysis.

\*\* Tasks 6 and 7 include sub-contracting to Applied Coastal Research and Engineering

Previous hydrodynamic field data collection was funded by the Tribe. The \$3,767 credit is applied to the Tribes share of match thereby reducing the Tribes match amount to \$28,000. **Town of Aquinnah and Town of Chilmark match amounts remain \$31,767 each.**