

Peconic Estuary Program Desired Funding List
Existing List and Proposed Update as of February 27, 2012

Task	Costs		Goals	Responsible Parties	Milestones
	One-time	Annual			
Environmental Dredging of Meetinghouse Creek to improve water quality	\$10M (estimate)		- Remove nutrient enriched bay bottom sediments to improve water quality (dissolved oxygen) and reduce occurrences of harmful algae (brown tide and ulva). -Demonstrate/pilot approach that may be applicable in other impaired areas.	SCDPW, Town of Riverhead. Support from PEP. Regulatory input from NYSDEC	Refined assessment of approach that will improve water quality. Tons of nitrogen removed.
Install upgrades for further nutrient removal to the Riverhead Sewage Treatment Plant (including facilitating beneficial effluent reuse) to improve water quality	\$18M		Reduce nitrogen loading to the Tidal Peconic River through reductions at the STP and beneficial reuse of the effluent at the County's Indian Island Golf Course	Riverhead Sewer District, Suffolk County Parks Department Support from PEP	Pounds per day of nitrogen removed at the STP. Potential reductions from eliminated/reduced fertilizer use at the Golf Course.
Develop and implement stormwater management plans for 18 waterbodies where shellfishing uses are impaired.	\$20.5M		Reduce stormwater volumes and pollutant loadings through municipal improvements (\$1M per watershed) and homeowner programs (\$100K per watershed); plan development: \$700K	Plan Development: Peconic Estuary Program Implementation of municipal and homeowner plans: Towns and property owners, with assistance from the Peconic Estuary Program.	Development of subwatershed plans with conceptual designs for municipal stormwater control. Implementation of municipal controls. Implementation of practices on private properties
Implement a comprehensive agricultural stewardship program for nutrient management for 5 years		\$3.5M/year (estimate)	Reduce nutrient loadings to groundwater	Cornell Cooperative Extension of Suffolk County; Suffolk County Soil and Water Conservation District	Development of practices for key crops. Implementation of practices. Acres of farmland treated.
Implement Fish Passage Projects on the mainstem Peconic River	\$4M		Restore essential breeding habitat for river herring on the Peconic River. A total of 4 barriers still exist.	Towns of Riverhead, Southampton and Brookhaven, NYSDEC, and LIPA with assistance from the Peconic Estuary Program.	Restored access to essential habitat for a severely reduced population of river herring.
Implement other projects in the PEP Habitat Restoration Plan		\$1M/year	Implement one habitat restoration project within each of the East End towns (5) that already have conceptual designs.	Towns of Riverhead, East Hampton, Southampton, Southold, and Shelter Island with assistance from the Peconic Estuary	Restore degraded habitat for water quality improvements and wildlife value.

				Program.	
Develop conceptual designs for habitat restoration projects		\$100K/year	Develop conceptual designs for one habitat restoration plan in each town per year	Towns of Riverhead, East Hampton, Southampton, Southold, and Shelter Island with assistance from the Peconic Estuary	Plans develop for projects that will improve water quality and wildlife values.
Update Peconic Estuary Land Use Inventory	\$200K		Update the Peconic Land Use Inventory to identify key parcels for acquisition and measure progress in implementing the nitrogen TMDL.	Peconic Estuary Program; oversight assistance from the Suffolk County Planning Department	Updated town by town assessments of key parcels for acquisition; updated build out analysis and pollution loading estimate.
Update Economic Valuation of the Peconic Estuary and its Watershed	\$200K		Update the recreational and resource economic valuation of the Peconic Estuary and its Watershed	Peconic Estuary Program with contractor assistance	Report estimating the recreation and natural capital worth of the Peconics.
Protect priority open spaces in the Peconic Estuary		\$50M/year	Protect land parcels with important environmental attributes in the Peconic Estuary	Towns, County, State.	Acres and types of habitat protected
Atmospheric Deposition Monitoring	\$100K (estimate)	\$10K (estimate)	Expand the wet deposition monitoring station in the Peconic to include dry deposition monitoring	Suffolk County Department of Health Services.	Understand and characterize wet and dry atmospheric deposition loads in the Peconic Estuary
Benthic Mapping	\$800K-\$1M		Complete benthic mapping of the remainder of the Peconic Estuary	Peconic Estuary Program with contractor assistance	Complete benthic mapping to assist in habitat and living resource restoration efforts
Eelgrass Public Education and Outreach (signage at boat ramps)	\$25K		Eelgrass Public Education and Outreach (signage at boat ramps)	Peconic Estuary Program with boat ramp owners (towns, etc.)	Development and installation of education signage
Eelgrass Research and Restoration	TBD	TBD			