PEP CCMP Revision Underway

- **PEP held CCMP Workshop Meetings monthly** November - February to gain specific feedback on the Draft CCMP Outline and Chapters.

- **March 2019** - The draft CCMP document is anticipated to be submitted for review by EPA, NYSDEC, Suffolk County and Local Governments.

- **July - August 2019** - CCMP 60-day public review period.

- **December 31st, 2019** - Final CCMP complete.
Peconic Estuary Solute Transport Model

Contracting with United States Geologic Survey
Status: GIS preparation and Model Development phase. **Next project meeting on May 15th, 2019.**
Link to [Solute Transport Model Workplan](#)

**Objective:** This Solute Transport Model will be a tool to estimate time-varying nitrogen loading rates to the Peconic Estuary resulting from wastewater and fertilizer inputs to the groundwater. The overall objective of the study is to apply methods that will allow for the quantitative analysis of nitrogen loading rates to the Peconic Estuary resulting from wastewater and fertilizer inputs to groundwater in Suffolk County. Specifically, the objectives of the investigation are to:

1) develop data sets representing current and historic land uses relevant to nitrogen loading in coastal watersheds

2) incorporate these data as source terms in models capable of simulating transport processes to estimate current estuarine loading rates and nutrient concentrations in the aquifer, and

3) use these current-condition models to simulate the response of estuarine loading rates to possible wastewater-management actions.
CLPS Update and Climate Ready Assessment Services for PEP and Shinnecock Indian Nation

Contracting with Anchor QEA

Status: New CLPS criteria complete. Next Steps: Mapping of CLPS and continue work on Climate Vulnerability Assessment with PEP and Shinnecock Indian Nation.

Objective:
1) Re-evaluation of the original prioritization of the Critical Lands Protection Strategy (CLPS).

2) Assessment of climate change vulnerabilities of the environmental restoration and protection programs for both the Peconic Estuary Program and Shinnecock Indian Nation.
Habitat Restoration Updates

The Peconic Estuary Program is working with its partners to restore critical freshwater spawning and maturation habitat for diadromous fish on the Peconic River.

**Alewife migration season:** March – May

Check out the Seatuck [website](#) to learn how to monitor for alewife!
Upper Mills Dam Fish Passage Project
Contracting with L.K. McLean Associates for engineering design/permitting services

Status: 3 Conceptual Designs are developed and will be discussed at next stakeholder meeting in April 9, 2019.
Woodhull Dam Fish Passage Project

Suffolk County contracted with L.K. McLean Associates for engineering design/permitting services.

Peconic Estuary is contracting with Land Use Ecological Status: 3 of 4 site surveys complete. 1 site survey underway.

Conceptual habitat restoration designs will be developed for the following identified priority sites:

a. Southold: Narrow River Road Wetland Restoration

b. Southampton: Iron Point Wetland Restoration

c. East Hampton: Lake Montauk Alewife Access and Habitat Enhancement

d. Riverhead: Meeting House Creek Main Road Wetland Construction/Restoration

- 2016 Suffolk County Capital funds have been secured for implementation of the Lake Montauk project.
- PEP secured 2018 NEP Funds ($173,719) for implementation of the Meeting House Creek project.
Living Shoreline Pilot Project- Greenport

PEP is contracting with Cornell Cooperative Extension and Peconic Land Trust

Status: All permits in hand. Construction will occur spring 2019.
Seagrass Bio-optical Model

PEP is contracting with The Research Foundation of SUNY Stony Brook

Status: Final tasks underway.

- **Objective:** Site specific information to inform eelgrass management and restoration programs. This project will lead to a better understanding of specific light and temperature requirements for eelgrass in the Peconic Estuary (PE). This is the critical next step towards understanding the threats to the eelgrass community and where restoration projects have the best probability of success.

- Link to project presentation at August 15th TAC meeting: https://www.peconicestuary.org/peconic-estuary-seagrass-bio-optical-model-project-presentation-kaitlyn-otoole-2018/
Peconic Estuary Program is contracting with Cornell Cooperative Extension.

Status: Contract is executed. Work is underway.

- Expansion to an existing Town of Southold Living Shoreline Demonstration Project contract with the Town of Southold Trustees and the Suffolk County DEDP.
- Establish a larger geography of the project and monitoring services to run in tandem with the existing project to enable the quantification of nitrogen and pathogen uptake results and assessment of the effectiveness of the living shoreline to mitigate nitrogen pollution in the Peconic Estuary-Spartina alterniflora and ribbed mussels.
2017 Habitat Restoration Plan & Map

Finalized

• Interactive GIS Map of Habitat Restoration Projects complements the 2017 Peconic Estuary Program Habitat Restoration Plan and will serve as a tool to track habitat restoration progress: completed, ongoing, and priority habitat restoration projects in the Peconic Estuary watershed. Next Natural Resources Subcommittee meeting will review status of projects and solicit project nominations.

• Click here to view the map.
Hardened Shoreline GIS Mapping Project

With the help of two interns, PEP is undertaking a GIS mapping project to quantify the amount of hardened shoreline in the Estuary. This supports Action 3, under Objective 9 in the Habitat Restoration Plan. The last survey was in 2003.
Public Education and Outreach

- Citizens’ Advisory Committee Meeting, March 19th 2-4 pm at the Hampton Bays Public Library.
- High quality videos produced for National Estuaries Week, and The importance of the Estuary (Spanish-version), see the Vimeo page for others: https://vimeo.com/peconicestuaryprogram

- Click on the videos to watch!