

**PROJECT APPLICANT:** Cornell Cooperative Extension

**PROJECT TITLE:** Shoreline Softening and Habitat Enhancement

**PROJECT TYPE:** Aquatic Habitat Restoration

**SCALE:** Neighborhood/Watershed

**APPROACH:** Restoration

**DESCRIPTION:**

The proposed project is for funding to soften the shoreline and provide habitat enhancement on the northern wooden section of the Hampton Hills Association bulkhead. In 2018, the Hampton Hills Association was previously awarded a grant to install a permeable reactive barrier (PRB) behind their bulkhead to support nitrogen removal from the groundwater. To build upon the success of the PRB, Cornell Cooperative Extension proposes introducing sand and gravel substrate as well as coir logs and native plants to support sand and carbon sequestration and create a living shoreline habitat for ribbed mussels and other marine fauna on the northern seaward side of the bulkhead. The project will include designing a softened shoreline over approximately 1600 sq.ft. using a cost effective and appropriate design. The native plants and shellfish planted on site will be monitored for their success and maintenance will be provided if necessary. This project will also include quantifying data by collecting water quality samples and habitat data to determine the pounds of nitrogen removed. Information and data collected during this project will be communicated to the Town and public through educational outreach.



**REQUESTED AMOUNT:** \$45,358.00