

**PROJECT APPLICANT:** Village of Quogue w/ Moriches Bay Project

**PROJECT TITLE:** Quantuck Bay FLUPSY and Oyster Relay Planting

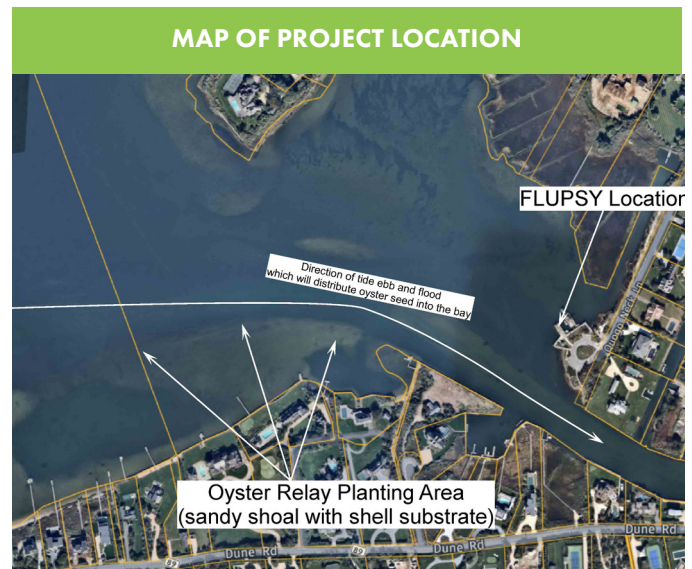
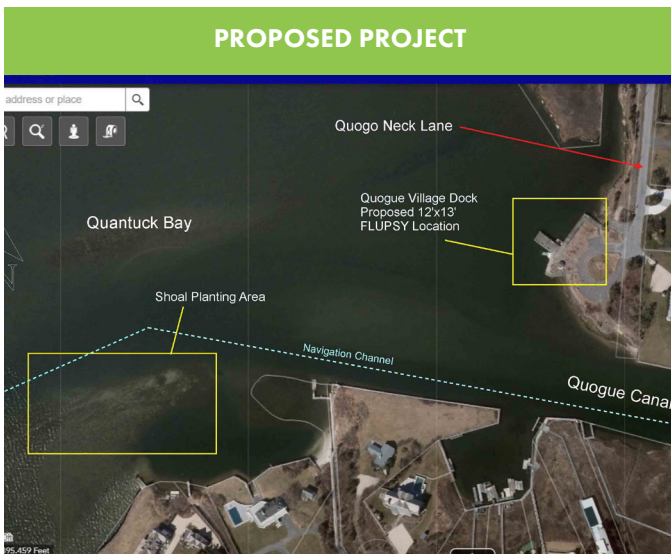
**PROJECT TYPE:** Aquatic Habitat Restoration

**SCALE:** Neighborhood/Watershed

**APPROACH:** Restoration

**DESCRIPTION:**

This project site is located in the eastern Quantuck Bay at the entrance of the Quogue Canal. There is low water quality in the area as a result of low flushing rates since it is the furthest point between two inlets. The proposed project seeks to grow 100,000 juvenile oyster seed (*Crassostrea Virginica*) annually for five years utilizing a field nursery called a Floating Upweller System (FLUPSY) to release into Quantuck Bay. This five year plan will sequester 680 pounds of nitrogen from the water and filter approximately 5,000,000 gallons of water daily. The oysters raised will not be harvested – they will be grown solely for water quality improvement purposes. The adult Eastern Oyster is capable of filtering up to 50 gallons of water a day which reduces the total nitrogen in the water. A FLUPSY accelerates the growth of young oysters and offers them protection from predators and poachers. The oysters will be released into Quantuck Bay, which is designated a sanctuary by the Southampton Town Trustees and therefore the oysters released here will not be subject to harvesting. The shoal chosen as the planting area for the oysters is dense with shell fragments and clean sand, which is ideal for bedding oysters.



**REQUESTED AMOUNT:** \$ 102,659.00