



# Cold Spring Pond

## Southampton Bulkhead Removal Project



### Overview

Shoreline hardening, through structures such as bulkheads, significantly alter the natural function of Peconic Estuary coastlines. This had led to habitat loss, increased erosion, degraded water quality, and heightened flood risk. Although bulkheads are often installed for shoreline stabilization, they frequently exacerbate these issues over time by reflecting wave energy and preventing the natural inland migration of tidal habitats.

PEP is working with Southampton Trustees to establish a preliminary location to pilot a bulkhead removal study. Designs are looking to naturalize the shoreline while retaining working waterfront and public access priorities.

### Project Value

This bulkhead removal pilot will demonstrate a shoreline's **long-term transition** from hardened shoreline structure to natural shoreline system, in a location with a history of working waterfront and public enjoyment.

### Expected Benefits

By reestablishing natural shoreline processes, the project will improve ecological function, enhance coastal resilience, and increase community access to the water.

### Status

Cold Spring Pond environmental conditions are being reviewed to determine the viability of bulkhead removal.

Bulkhead removal will be followed by stabilizing shoreline habitat restoration efforts for long-term success.

