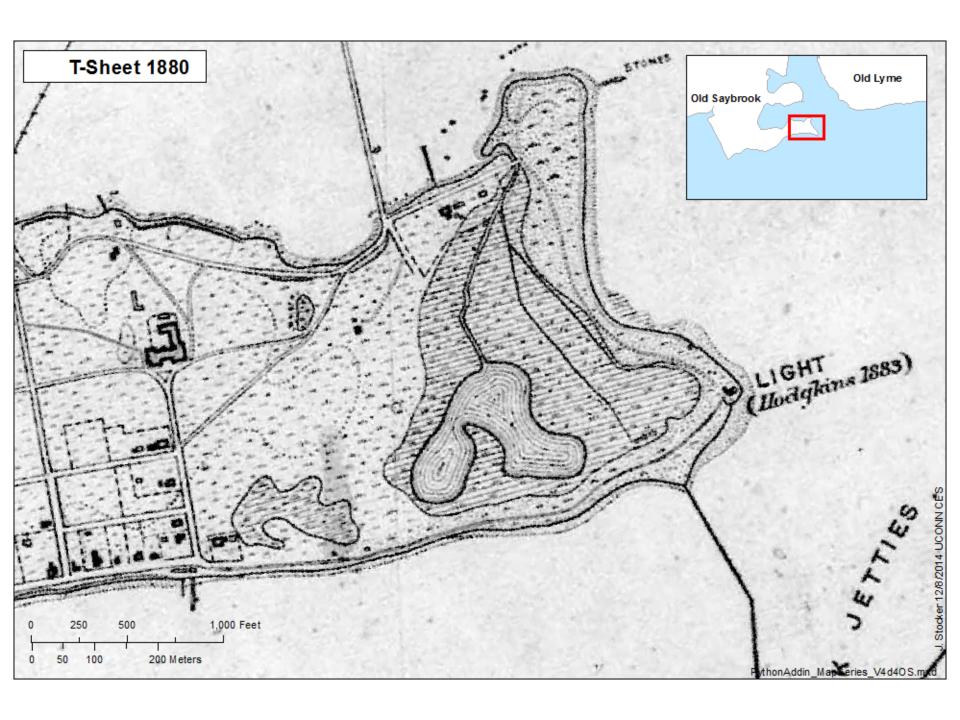


Dune & Marsh Preservation Project

CIRCA Connecticut Living Shorelines Workshop November 20, 2017



**Project Location** 















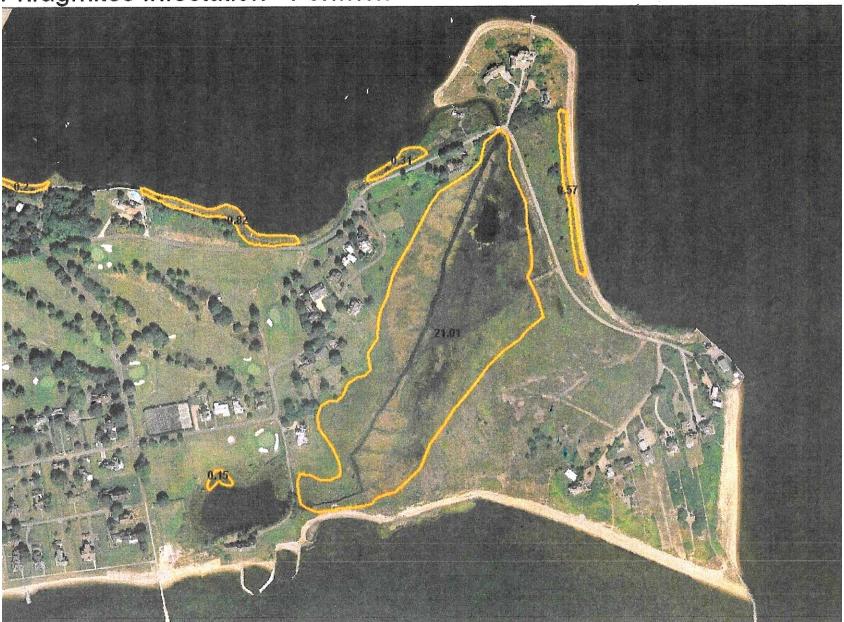








Phragmites Infestation - Fenwick



## Sound Outlook, June 2003

### Lynde Point Marsh to be Restored Through National Grant

n the last issue of Sound Outlook we described Connecticut's tidal wetland restoration program. This issue, we are pleased to report another step forward in this successful initiative. The DEP's Office of Long Island Sound Programs has received a grant of \$80,000 from the U.S. Fish & Wildlife Service's National Coastal Wetlands Conservation Grant Program to restore the 10-acre Lynde Point marsh in the borough of Fenwick in Old Saybrook. The total estimated cost of the project, which will forward the goals of the Long Island Sound Habitat Restoration Initiative, is \$221,000.

The Lynde Point marsh, which was filled with dredged spoils during dredging of the Connecticut River in the 1940s, has lost all natural wetland functions and values, and is now dominated by common reed,

Phragmites australis. The wetland, which will be restored through the removal of the clean, sandy dredge sediments and the construction of several small ponds, will provide habitat for forage species such as Atlantic silverside, killifish, bay anchovy, grass shrimp and bay shrimp. These species will, in turn, support larger fish, osprey, bald eagles wading birds and terns.



Coastal grassland and remnants of historic maritime shrubland and forest which were cleared for farmland in the 1800s are also associated with the wetland restoration site, and are threatened by non-native invasive plants including bittersweet, multiflora rose and bush honeysuckle. These species will be removed and a healthy native plant community restored.

The Lynde Point restoration project will be conducted by the DEP's Wetland Restoration Unit using a variety of equipment designed specifically for work in wetlands. All work will be completed between October 1, 2002 and December 31, 2003. For more information, contact Lori Benoit of OLISP at 860-424-3034 or by email at lori.benoit@po.state.ct.us.







## Fenwick's Marsh Restoration Project

Saturday, August 9, 2003 Family Fun Day

At the Pier

FOR ALL FENWICKIANS
11 AM to 3 PM

#### 11 AM MARSH MADNESS Bike Parade

Must be 'Mensly Creative, From Flag Pole to the Pier

### 11 AM-3 PM Family Fun Day Carnival

Madly Fun 'Family' Booths – Momentous Osprey Shoot Out Face Painting – Mischievous Dunking Machine & More Cookout Lunch

Miraculous Prizes for All

#### 3 PM MESMERIZING MARSH HOLE-IN-ONE

For a Brand New Golf Cart at the Brainard Hole

11 AM - 4:30 PM - Silent Auction Masterpieces

## AN EVENING OF MARSH MADNESS

AT THE MARSH TENT: 12 NEPONSET AVE., FENWICK

6-9 PM

MARSH MARGUERITAS, MARTINIS, & MORE MARVELOUS MUNCHIES, MAD 'MOSH' FUN AND

**MAGNIFICENT SILENT AND LIVE AUCTIONS** 

Invitations for "An Evening of Marsh Madness" will be mailed to you. Bring Your Friends! This Marsh Madness Evening is by Invitation only.















Filtrexx® tubing was filled with sand and mulch...



and used to rebuild the dunes.





planted in March 2008 with American beach grass and switch grass.



The grasses became well established...



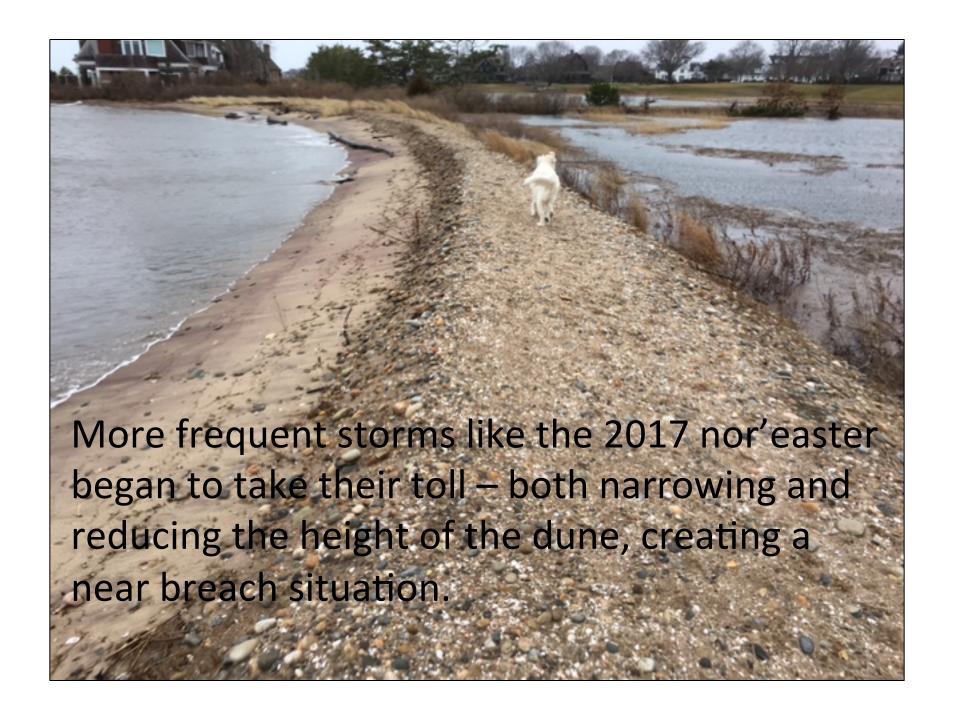
until Irene and then Sandy hit.



The back to back storms tore out the socks...



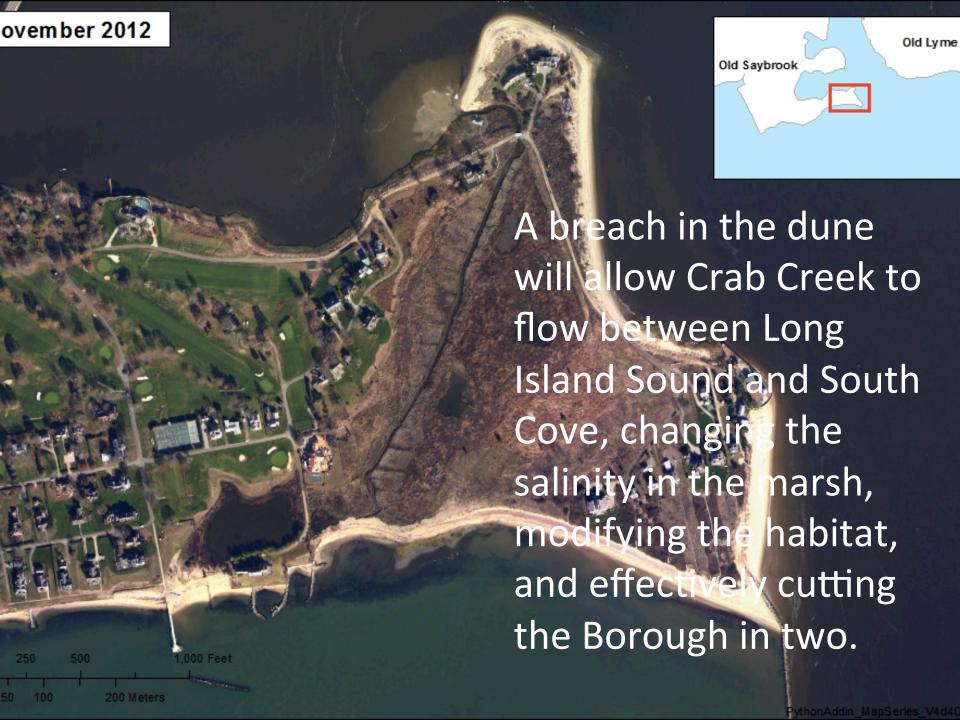
and deposited sand in the marsh.

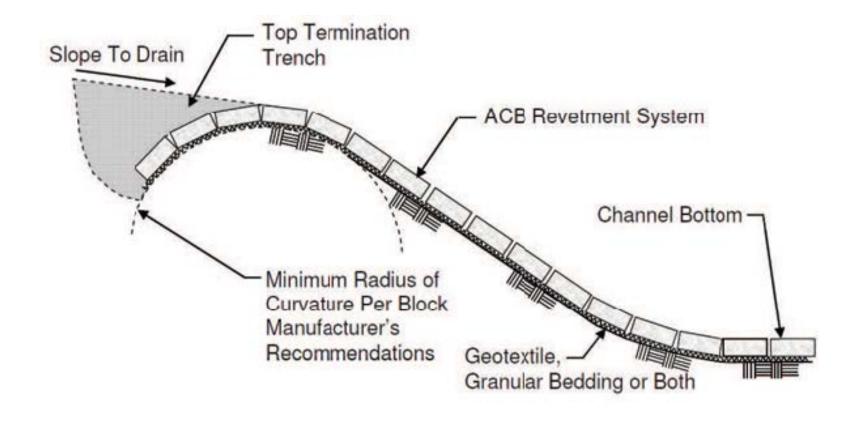






In a very high tide, there is very little dune between the beach and Lynde Point marsh / Crab Creek.





To prevent a breach, the Borough considered an articulated concrete mat on the waterward side of the dune with planting within the cells of the concrete.

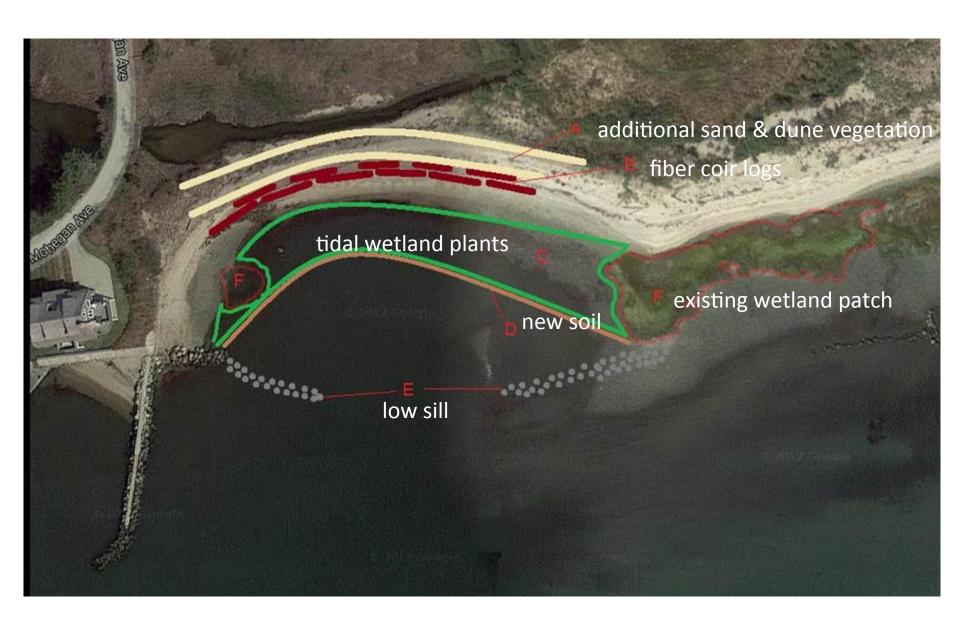
Wave action has stripped most of the sand and vegetation from the area in front of the dune...



But along the eastern end of the project area, an existing rock sill has attenuated the waves sufficiently to protect both sand and vegetation.



## People were ready to consider alternative solutions.





#### Borough of Fenwick Hepburn Dune and Marsh Preservation Project Old Saybrook, Connecticut June 9, 2017

### Coastal Engineering Services Request for Qualifications and Proposal

Introduction: The Borough of Fenwick is a municipality in the State of Connecticut which is located at the mouth of the Connecticut River at its confluence with Long Island Sound, and has the following Boards and Commissions: A Board of Warden and Burgesses; Planning and Zoning Commission; Park Commission; Zoning Board of Appeals; Historic District Commission; and Harbor Management

The Borough of Fenwick (BOF) Government mission is to provide an effective network of public services in a responsible and efficient manner supporting the common good of our community. In so doing, our commitment is to enhance the ecological sustainability of our coastal resources and improve access to/from our community in a safe and efficient manner.

Invitation & Summary: The BOF is soliciting a Statement of Qualifications and Proposals from a select group of Coastal Engineers for the development of a plan for the restoration of an approximate 450-foot long section of dune and associated tidal marsh fronting on Long Island Sound. As shown on the



# **GZA GeoEnvironmental**

