

Howard, Jeff (DEEP)

From: Peter Alexander <pfalexla@gmail.com>
Sent: Friday, July 10, 2015 1:09 PM
To: DEEP ClimateChange
Subject: EXCITING !!! VERY ENCOURAGED BY GOVERNOR MALLOY'S ACTIONS
Attachments: ALEXANDERALTERNATIVE.pdf; Gr Harbor Restoration DEEP71015.pdf

Had to be on-site in Europe so I could not be with you all TODAY!

BUT

Would be happy to share Marsh Creation Extension tactics we have used in many situations. The use of verified appropriate Dredge Spoils can be a very positive effect, including almost immediate Storm Protection.

VERY ENCOURAGED BY GOVERNOR MALLOY'S ACTIONS

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ALEXANDER ALTERNATIVE

**DREDGE YIELD HAS VAST POTENTIAL TO IMPROVE THE ENVIRONMENT
HYRAULIC DREDGING PROCESS CAN BE EFFECTIVE AT SHALLOW DEPTHS KEY
IS TO ASSURE CLEANLINESS, SOIL TYPEANDTO PLACE OFFSHORE OR ONSHORE**

SYPHON/HYDRAULIC DREDGE IN ACTION



INPUT

OUTPUT

GEO TUBE AT THE READY



GEO TUBE/ POST DREDGE INFUSION



*GEO TUBE CAN RECEIVE PUMPED DREDGE YIELD FROM UP TO A MILE AWAY
DESIGNED TO RETAIN SOLIDS & ALLOW LIQUIDS TO PASS THROUGH
LIQUIDS & TREATED BEFORE RELEASE TO WATERBODY
SOLIDS REMAIN & AVAILABLE FOR TREATMENT OR IMMEDIATE USE*

**SPECIFIC PROTOCOLS FOLLOWED TO OPTIMIZE
THE DEPTH, NATURE AND COMPOSITION OF YIELD
WITH FINAL USE LOCATION AS PRIORITY TO ECOSYSTEM TYPE KEY
TO ALTERNATIVE IS TO PLACE GEOTUBES ON APPROPRAITE SIZED
DUMP TRAILERS DEWATERING CAN OCCUR ON TRAILER THEN LET
TO BARGE OR SIMILAR FLAT PLATFORM VESSEL TO BE BROUGHT**

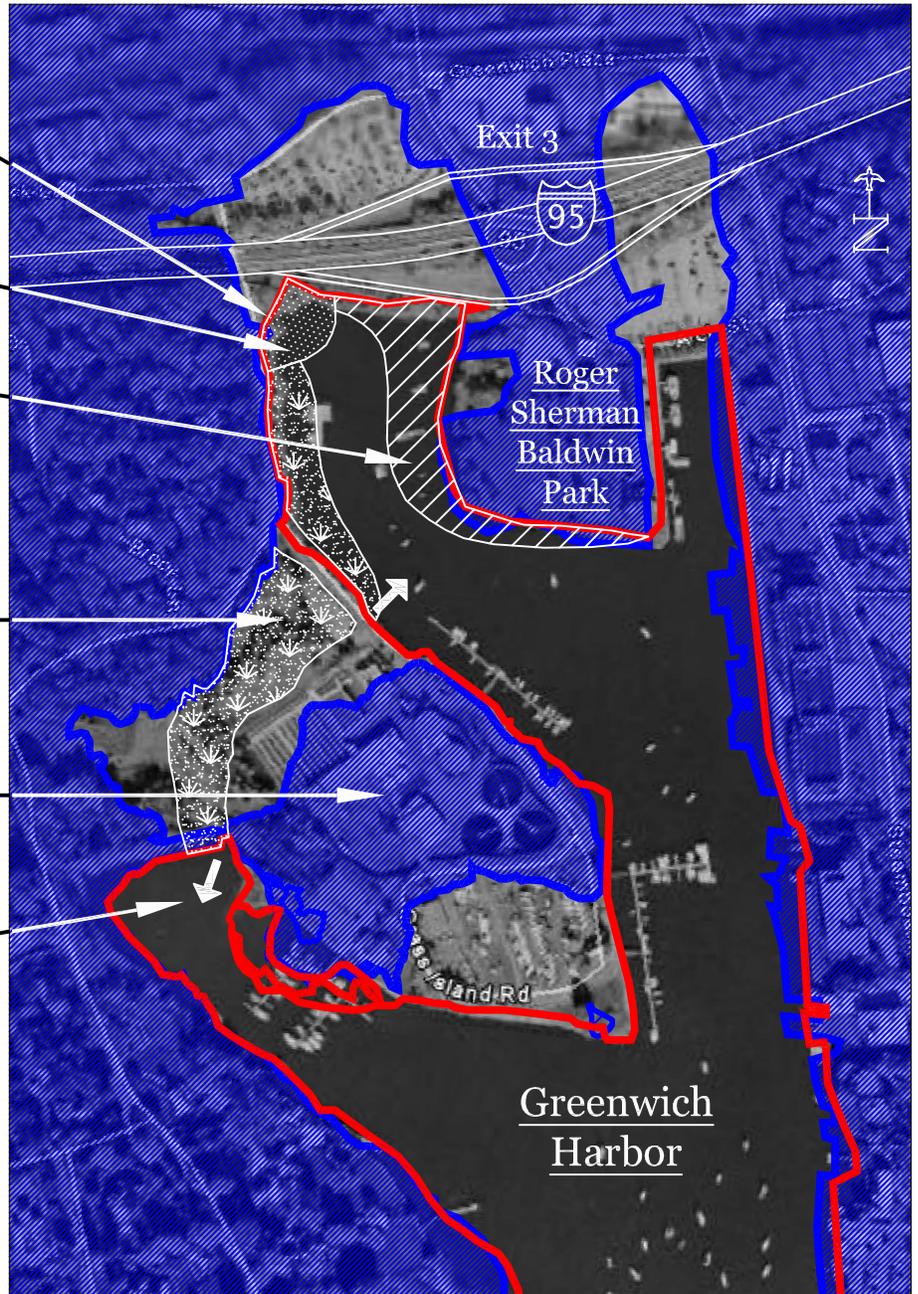


TO SITE NEAR OR AFAR TO AID THE ECOSYSTEM FOR ALL

GREENWICH, CONNECTICUT HARBOR RESTORATION STUDY AREA

2009 vs. 1965 & 1934

- Horseneck Brook outflow
- Proposed silt trap
- Expand park with dredge material
- Restored salt marsh
- Grass Island Treatment Plant
- Restored salt water inflow-outflow



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2009 Air Photo

 1934 Coastline

 1965 Coastline