

# Ballard Street Salt Marsh Restoration Project



## DCR Public Meeting

Wednesday, April 15, 2015

6:30 p.m. – 8:00 p.m.

Saugus Italian American Club

1 Beachview Avenue, Saugus, MA 01906





# Commonwealth of Massachusetts

Governor

**Charles D. Baker**

Lieutenant Governor

**Karyn Polito**

Energy and Environmental Secretary

**Matthew A. Beaton**

Department of Conservation and Recreation Commissioner

**John P. Murray**

# DCR Mission Statement

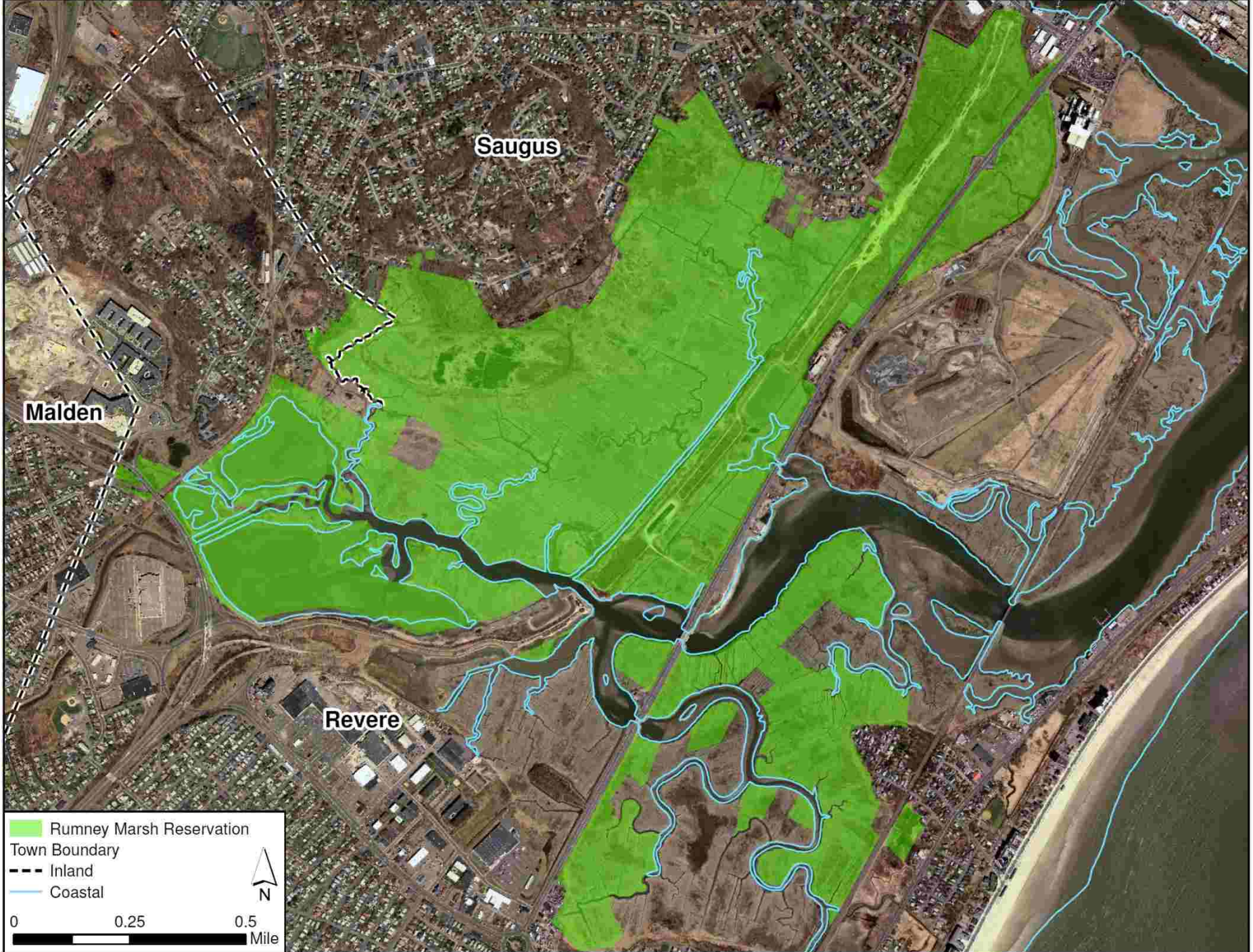


*To protect, promote and enhance our common wealth  
natural, cultural and recreational resources for the  
being of all*

## Tonight's Meeting - Purpose

- “ Provide Project Status Update
- “ Review the Preferred Alternative
- “ Answer Questions





Saugus

Malden

Revere

Rumney Marsh Reservation  
Town Boundary  
--- Inland  
--- Coastal

0 0.25 0.5  
Mile

N

## Project Background

1999 & Prior: Investigation /  
Project Development

1999 2006: Design &  
Permitting, Fundraising

2011 2015: Additional  
Investigation / Project  
Development



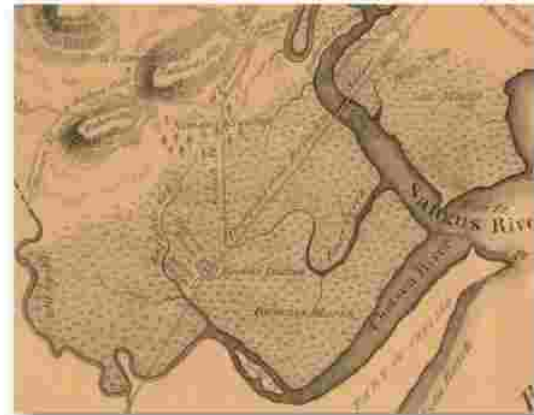
## Work to Date

- “ Tidal Monitoring,  
Surveying
- “ Hydrodynamic  
modeling
- “ Development of  
potential solutions
- “ Extensive Consultation
- “ EENF

EXPANDED ENVIRONMENTAL NOTIFICATION FORM  
MEPA MGL c. 30A 61-62I

Ballard Street Salt Marsh Restoration  
Eastern Avenue and Ballard Street  
Saugus, MA

March 16, 2015



Prepared for:  Department of Conservation and Recreation.

Prepared by:  Parsons Brinckerhoff, Inc.  
Applied Coastal Research & Engineering, Inc.  
Boelter & Associates



# Opportunities and Project Goals

## Opportunities

- “ Funding: USFWS Grant, State Funding
- “ Restoration: Restore formerly degraded / historically filled salt marsh
- “ Sand Extraction: Restore salt marsh directly lost through fill removal
- “ Flood Control: Enhance flood control for adjacent neighborhood

## Intersection of Two goals:

- “ Extraction of sand for shore protection at Winthrop Beach
- “ Restoration of adjacent Western and Eastern Marshes



# Project Objectives

## “ Western Marsh:

- Restore viable salt marsh habitat
- Provide enhanced flood control
- Maximize restoration area by including the I-95 embankment extraction area

## “ Eastern Marsh:

- Restore viable salt marsh habitat



## Values and Functions of Salt Marsh

ACEC, shellfish/finfish habitat, waterfowl/shorebird habitat, storm damage/flood control, water quality protection



- ” Biodiversity
- ” Examples of healthy vegetation
- ” Tidal range
- ” Salinity
- ” High marsh vs. low marsh



# Unhealthy Marsh Systems



- ” Insufficient salinity
- ” Invasive species





































































