

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Massachusetts Environmental Policy Act (MEPA) Office

Environmental Notification Form

For Office Use Only

EEA#: 15818

MEPA Analyst: Purvi Patel

The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Shoreline Restoration at Coughlin Park		
Street Address: Bay View Ave (Parcel # 8-29) & Boston Harbor (Parcel # 7-3)		
Municipality: Winthrop	Watershed: Boston Harbor (Proper)	
Universal Transverse Mercator Coordinates:	Latitude: 42° 21' 44.39" N Longitude: 70° 58' 30.03" W	
Estimated commencement date: Oct. 2018	Estimated completion date: Dec. 2018	
Project Type: Green Infrastructure/ Living Shoreline	Status of project design: 100 %complete	
Proponent: Town of Winthrop		
Street Address: 1 Metcalf Square		
Municipality: Winthrop	State: MA	Zip Code: 02152
Name of Contact Person: Lee Weishar		
Firm/Agency: Woods Hole Group, Inc.	Street Address: 81 Technology Park Dr.	
Municipality: East Falmouth	State: MA	Zip Code: 02536
Phone: 508-495-6221	Fax: 508-540-1001	E-mail: lweishar@whgrp.com
<p>Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:</p> <p>a Single EIR? (see 301 CMR 11.06(8)) <input type="checkbox"/> Yes <input type="checkbox"/> No a Special Review Procedure? (see 301CMR 11.09) <input type="checkbox"/> Yes <input type="checkbox"/> No a Waiver of mandatory EIR? (see 301 CMR 11.11) <input type="checkbox"/> Yes <input type="checkbox"/> No a Phase I Waiver? (see 301 CMR 11.11) <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)</i></p> <p>Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)? 301 CMR 11.03(3)(b)(1)a and 301 CMR 11.03(3)(b)(1)e</p> <p>Which State Agency Permits will the project require? Chapter 91 Permit and CZM Consistency (Water Quality Certification not applicable due to less than 5,000 s.f. of impact below MHW).</p> <p>Identify any financial assistance or land transfer from an Agency of the Commonwealth, including the Agency name and the amount of funding or land area in acres: CZM FY16 Coastal Resiliency Grant (Feasibility Study) \$75,000, and FY18 Coastal Resiliency Grant (Design/Permitting) \$77,550. Total for the two awards is \$152,550.</p>		

10/28/21
Lafayette

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	0.15±		
New acres of land altered		0.15±	
Acres of impervious area	N/A	N/A	
Square feet of new bordering vegetated wetlands alteration		N/A	
Square feet of new other wetland alteration		6,608±	
Acres of new non-water dependent use of tidelands or waterways		N/A	
STRUCTURES			
Gross square footage	N/A	N/A	N/A
Number of housing units	N/A	N/A	N/A
Maximum height (feet)	N/A	N/A	N/A
TRANSPORTATION			
Vehicle trips per day	N/A	N/A	N/A
Parking spaces	N/A	N/A	N/A
WASTEWATER			
Water Use (Gallons per day)	N/A	N/A	N/A
Water withdrawal (GPD)	N/A	N/A	N/A
Wastewater generation/treatment (GPD)	N/A	N/A	N/A
Length of water mains (miles)	N/A	N/A	N/A
Length of sewer mains (miles)	N/A	N/A	N/A
<p>Has this project been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No</p>			
<p>Has any project on this site been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No</p>			

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION:

Describe the existing conditions and land uses on the project site:

Coughlin Park is an urban park located on the bayside of Winthrop Barrier spit directly west of Winthrop Beach. The park provides recreation opportunities, public access to water, and expansive views of Logan Airport and Boston Harbor.

In recent years, the park has been experiencing erosion on the bay shoreline that threatens use of the park. The housing development located immediately to the south and adjacent to the park has constructed an extensive revetment that protects Grand View Avenue and the houses located across the street. End effect erosion from the revetments and recent storms has eroded approximately 300 linear feet of the park shoreline. See Project Narrative in Section B for further details.

Describe the proposed project and its programmatic and physical elements:

The Town of Winthrop applied for and received two CZM Grants in FY16 and FY18 to develop a conceptual plan to increase the resiliency of the beach and coastal bank at Coughlin Park. The Town also applied for and received an additional CZM Grant in 2017 to develop plans and obtain the permits for the proposed project.

The proposed project is a combination of cobble beach nourishment, bank grading, matting and planting, and fiber rolls, and was selected based on the following criteria:

- **Consultation with representatives of the DPW and Conservation Commission from the Town of Winthrop;**
- **Evaluation of site characteristics, including incident wave energy, shoreline change, storm history, coastal resource areas, grain size and sea level rise;**
- **Examination of the Massachusetts Wetlands Regulations;**
- **Consultation with CZM, DEP, ACOE, EPA and DMF.**

See Project Narrative in Section B for further details.

NOTE: The project description should summarize both the project's direct and indirect impacts (including construction period impacts) in terms of their magnitude, geographic extent, duration and frequency, and reversibility, as applicable. It should also discuss the infrastructure requirements of the project and the capacity of the municipal and/or regional infrastructure to sustain these requirements into the future.

Describe the on-site project alternatives (and alternative off-site locations, if applicable), considered by the proponent, including at least one feasible alternative that is allowed under current zoning, and the reasons(s) that they were not selected as the preferred alternative:

The following eleven alternatives were considered (see Project Narrative in Section B for further details):

- Alternative 1. Cobble Beach Nourishment**
- Alternative 2. Bank Nourishment**
- Alternative 3. Cobble Dune**
- Alternative 4. Grading, Matting and Planting of the Coastal Bank**
- Alternative 5. Fiber Rolls at the Base of Coastal Bank**
- Alternative 6. Fiber Matting with Planting of Face of Coastal Bank**
- Alternative 7. Sill/Offshore Low Crested Reef Composed of Oyster or Mussel Shell Bags**
- Alternative 8. Sill/Offshore Low Crested Reef with Cobble to Enhance Substrate for Mussels**
- Alternative 9. Fringe Marsh Creation with Fiber Rolls**
- Alternative 10. Preferred Alternative: Combination of Alternatives 1, 4 and 6.**

NOTE: *The purpose of the alternatives analysis is to consider what effect changing the parameters and/or siting of a project, or components thereof, will have on the environment, keeping in mind that the objective of the MEPA review process is to avoid or minimize damage to the environment to the greatest extent feasible. Examples of alternative projects include alternative site locations, alternative site uses, and alternative site configurations.*

Summarize the mitigation measures proposed to offset the impacts of the preferred alternative:

Because this project requires work within several natural and jurisdictional coastal resources, the Town proposes to implement several resource protection and construction mitigation measures to minimize/eliminate anticipated adverse effects to project area resources. Because the sediments to be placed in the project area are cobbles, turbidity and water quality are not expected to be significant issues. Rare and threatened shorebirds do not nest on the beach therefore time of year restrictions are not required. Finally, construction access will be limited to a single location, which will be restored to pre-existing conditions (grade and vegetation) upon completion of the proposed work. Construction activities will have short-term impacts on the resource areas, but these will be limited to within the project area boundaries and will be temporary, and overall the project will provide beneficial and long-term results.

If the project is proposed to be constructed in phases, please describe each phase:

N/A - The project is not going to be constructed in phases.