

ENF Environmental Notification Form

For Office Use Only
 Executive Office of Environmental Affairs
 EOE No.: 14160
 MEPA Analyst: Holly Johnson
 Phone: 617-626-1023

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Proposed Dune Restoration on Barrier Beach		
Street: 110 Old Salt Works Rd.		
Municipality: Chatham	Watershed: Pleasant Bay	
Universal Transverse Mercator Coordinates:	Latitude: 042° 42' 54.2" N Longitude: 069° 57' 59.4" W	
Estimated commencement date:	Estimated completion date:	
Approximate cost: \$20,000.00	Status of project design:	100 %complete
Proponent: Goodrich Chatham Realty Trust		
Street: c/o Joseph Marzilli, Trustee, 55 Hayden Ave., # 3200		
Municipality: Lexington	State: MA	Zip Code: 02421
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Beth Hays		
Firm/Agency: Woods Hole Group, Inc.	Street: 81 Technology Park Dr.	
Municipality: East Falmouth	State: MA	Zip Code: 02536
Phone: 508-495-6240	Fax: 508-540-1001	E-mail: bhays@whgrp.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No

Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No

Has any project on this site been filed with MEPA before?
 Yes, however EOE determined review not required, see Appendix A for decision No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

a Single EIR? (see 301 CMR 11.06(8))	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a Special Review Procedure? (see 301 CMR 11.09)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a Waiver of mandatory EIR? (see 301 CMR 11.11)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a Phase I Waiver? (see 301 CMR 11.11)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

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): N/A

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals:

- Order of Conditions (to be filed)
- Army Corps of Engineers Permit (to be filed)

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|--|--|--|
| <input type="checkbox"/> Land | <input checked="" type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input checked="" type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input checked="" type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	1.34±			
New acres of land altered		0.027± Re-established dune		
Acres of impervious area	0.19±	0	0.19±	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		1200± Re-established dune		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	4,244±	0	4,244±	
Number of housing units	1	0	1	
Maximum height (in feet)	30±	0	30±	
TRANSPORTATION				
Vehicle trips per day	4±	0	4±	
Parking spaces	5±	0	5±	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	440	0	440	
GPD water withdrawal	440	0	440	
GPD wastewater generation/treatment	440	0	440	
Length of water/sewer mains (in miles)	N/A			

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

- Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

- Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes, Estimated & Priority Habitats of Rare Species (see attached letter from Div. of Fisheries & Wildlife) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify _____) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify: **Pleasant Bay**) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

This project proposes rehabilitative measures to be taken along the eastern end of a barrier beach coastal dune. It has been precipitated by the formation of the new breach opposite Minister's Point that has resulted in a change in the tidal hydrodynamics. The project proposes the protection of a barrier beach coastal dune that protects a small tidal basin with accompanying salt marsh, and the upland of the property.

A portion of the applicant's property is located on a low land, i.e., land subject to coastal storm flowage, and protected on two sides by barrier beaches. To the east is a salt pond which is protected by the Fox Hill barrier beach, which runs from the mainland at the north to Fox Hill Island to the south. The south side of the property is protected by the Bassing Harbor barrier beach which runs from the southwest corner of the applicant's property to, originally, the channel leading from Bassing Harbor to the salt pond.

The eastern end of the Bassing Harbor barrier beach dune was relatively stable until the original breach in 1987 caused an increase in tide range which in turn exposed the Fox Hill barrier beach to larger waves produced by easterly storms. The Fox Hill barrier beach, which runs perpendicular to the project locus' barrier beach, has been overtopped with greater frequency over time, and has continued to erode as the tide range and the storm surge elevations within Pleasant Bay have continued to increase. This combination of events has resulted in a decrease in the height of the barrier beach from more frequent overtopping. The recent breach has now exposed the Fox Hill barrier beach to direct wave attacks from south easterly storms, and refracted wave attacks from all easterly storms. This has resulted in the barrier beach becoming duneless, with scant possibility of regeneration under the present conditions.

The salt pond has been protected by both the Fox Hill barrier beach and the Bassing Harbor barrier beach, at the southeast end of the applicant's property. The dynamics now present at the Fox Hill barrier beach render it too vulnerable to aggressive attacks to attempt a modest rehabilitation of the barrier beach. The Bassing Harbor barrier beach, however, is still functional except from the easterly flank which has eroded as a result of the flattened Fox Hill barrier beach.

This project proposes to remedy the damage caused by the flattened Fox Hill barrier beach to the Bassing Harbor barrier beach dune by the reconstruction of approximately 30' of the eastern tip of the coastal dune, vegetating the dune with American Beach grass and protecting the easterly flank of the dune form by installing anchored fiber rolls around ~~the tip of the dune.~~

Alternative Analyses

Alternative 1 - Do Nothing

If nothing were done, the dune sections would continue to erode. This would jeopardize upland and would cause