

Commonwealth of Massachusetts
Executive Office of Environmental
Affairs ■ MEPA Office

ENF

Environmental
Notification Form

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	14445
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: Stony Brook Salt Marsh and Fish Passage Restoration		
Street: Rte 6A, Main Street		
Municipality: Brewster	Watershed: Stony Brook Salt Marsh System	
Universal Transverse Mercator Coordinates: 407487mE, 4623114N	Latitude: 41d45.272'N Longitude: 70d6.754'W	
Estimated commencement date: Sept. 2010	Estimated completion date: Nov. 2010	
Approximate cost: \$1, 500,000	Status of project design: 50 %complete	
Proponent: Town of Brewster		
2198 Main Street Route 6A		
Municipality: Brewster	State: MA	Zip Code: 02631
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Jeffrey W. Oakes, P.E.		
Firm/Agency: CLE Engineering, Inc.	Street: 15 Creek Road	
Municipality: Marion	State: MA	Zip Code: 02738
Phone: 508-748-0937	Fax: 508-748-1363	E-mail: joakes@cleengineering.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 (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes 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): \$57,000 spent to date by the Massachusetts Office of Coastal Zone Management, Wetlands Restoration Program.

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

List Local or Federal Permits and Approvals: Notice of Intent and Order of Conditions from Brewster Conservation Commission, Category 2 Permit from U. S. Army Corps of Engineers

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

- | | | |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land | <input 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 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 checked="" type="checkbox"/> 401 Water Quality Certification <input checked="" 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 checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> -ACOE PGP Category 2 -MESA filing
Total site acreage	386 acres			
New acres of land altered		.2 acres		
Acres of impervious area	0.05	0	0.05	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		Fish run: 115 lf impact, 70 lf created. Water Body: 20 s.f. impact, 1260 s.f. created. Coastal Bank: 72 lf temp. impact. Salt marsh: 588 s.f. impact, 330 s.f. created Land Subject to Coastal Storm Flow: 7610 s.f. temp impact. Riverfront: 6447 s.f. temp impact.		
Acres of new non-water dependent use of tidelands or waterways				
STRUCTURES				
Gross square footage	3150			
Number of housing units	0			
Maximum height (in feet)	10			
TRANSPORTATION				
Vehicle trips per day	0			
Parking spaces				

WATER/WASTEWATER			
Gallons/day (GPD) of water use	0		
GPD water withdrawal	0		
GPD wastewater generation/ treatment	0		
Length of water/sewer mains (in miles)	0		

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 (Specify: **Estimated Habitat & Priority Site of Rare Species**) 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 Project is in an ACEC _____) 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.) **See attached narrative**

a) The Project Team, consisting of the Town of Brewster, Coastal Zone Management – Wetlands Restoration Program, Association for the Preservation of Cape Cod, Mass Bays Program, and NOAA Restoration Center, proposes to proactively restore approximately 20 acres of degraded salt marsh and enhance a fish run at Stony Brook in Brewster, MA. The existing undersized and failing culvert at Route 6A, identified as BR-6 in the Cape Cod Atlas of Tidally Restricted Salt Marshes, will be replaced with larger culverts sized to maximize natural salt marsh hydrology to the upstream salt marsh while protecting and enhancing the ability of migratory fish to utilize the culvert and stream channel and access the upstream spawning ponds. As the project will result in increased flooding of an existing walking trail through the salt marsh, the project proposes to improve the trail by raising portions within the existing trail footprint, removing and replacing portions of the trail with low crossings to enhance tidal flow to salt marsh upstream of the trail, and build a raised boardwalk and observation platform in the adjacent uplands.

b) A number of salt marsh restoration alternatives were identified in hydrological studies as described in the report by the Woods Hole Group, Inc. entitled *Final Report: Hydraulic Study to Assess the Feasibility of Tidal Restoration Stony Brook, Brewster, MA* dated October, 2008. Alternatives were studied included the

replacement of one or both of the existing undersized culverts with culverts of various sizes and the removal of an existing berm adjacent to the channels within the marsh system. The selected alternative as presented retains the existing western culvert and replaces the eastern culvert with twin 9' wide box culverts. It provides for the potential restoration of 20 or more acres of salt marsh and improved diadromous fish passage while minimizing adverse environmental impacts.

c) This is a pro-active salt marsh and fish run restoration project. Therefore, there are no on-site or off-site mitigation measures other than sediment and erosion control and other construction-related Best Management Practices during construction activities.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))
 ___ Yes X No; if yes, specify each threshold:

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	<u>0</u>	<u>0</u>	<u>0</u>
Roadways, parking, and other paved areas	<u>0.05</u>	<u>0</u>	<u>0.05</u>
Other altered areas (describe)	<u>0</u>	<u>0.05</u>	<u>0.05</u>
Walkway improvements, grading at culvert			
Undeveloped areas: existing salt marsh	<u>20</u>	<u>0</u>	<u>20</u>

B. Has any part of the project site been in active agricultural use in the last three years?
 ___ Yes X No; if yes, how many acres of land in agricultural use (with agricultural soils) will be converted to nonagricultural use?

C. Is any part of the project site currently or proposed to be in active forestry use?
 ___ Yes X No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a DEM-approved forest management plan:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? ___ Yes X No; if yes, describe:

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? X Yes ___ No; if yes, does the project involve the release or modification of such restriction? ___ Yes X No; if yes, describe:

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? ___ Yes X No; if yes, describe:

G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes ___ No X ; if yes, describe:

H. Describe the project's stormwater impacts and, if applicable, measures that the project will take to comply with the standards found in DEP's Stormwater Management Policy: **There will be no increase in impervious area resulting from the replacement of the culvert. The DEP Stormwater Management Policy applies to the "maximum extent practicable" to paths for pedestrian access. All walkway decking will have gaps to allow stormwater passage, thus complying to the maximum extent practicable.**