Commonwealth of Massachusetts
Executive Office of Environmental Affairs ■ MEPA Office

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
EOEA No.: 14307
MEPA Analyst: Nick Lavallas
Phone: 617-626-1030

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: Mill Village Road – Deerfield River Bank Restoration		
Street: Mill Village Road		
Municipality: Deerfield	Watershed: Deerfield	
Universal Tranverse Mercator Coordinates:	Latitude: 42° 31' 32" N Longitude: 72° 36' 46" W	
Estimated commencement date: 10/08	Estimated completion date: 12/08	
Approximate cost:	Status of project design: 50 %complete	
Proponent: Town of Deerfield		
Street: Municipal Offices, 8 Conway Street		
Municipality: Deerfield	State: MA	Zip Code: 03173
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Valerie Miller		
Firm/Agency: New England Environmental	Street: 9 Research Drive	
Municipality: Amherst	State: MA	Zip Code: 01002
Phone: 413-256-0202	Fax:413-256-1092	E-mail:vmiller@neeinc.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: **No**

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): **None**

Are you requesting coordinated review with any other federal, state, regional, or local agency?
☒Yes(Specify NHESP, Deerfield Con. Com., MA DEP, ACOE) ☐No

List Local or Federal Permits and Approvals:
The project will require an Order of Conditions, MESA approval, ACOE PGP, 401 Water Quality Certification, MHC review, and a Chapter 91 permit.

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

- ☐ Land
- ☐ Water
- ☐ Energy
- ☐ ACEC
- ☐ Rare Species
- ☐ Wastewater
- ☐ Air
- ☐ Regulations
- ☒ Wetlands, Waterways, & Tidelands
- ☐ Transportation
- ☐ Solid & Hazardous Waste
- ☐ Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	11,520		
New acres of land altered		11,520 sf	
Acres of impervious area	0	0	0
Square feet of new bordering vegetated wetlands alteration		0	
Square feet of new other wetland alteration		1,400 sf LUW 0 sf BVW 11,520 sf. RFA 480 LF Bank	
Acres of new non-water dependent use of tidelands or waterways		0	
STRUCTURES			
Gross square footage	0	0	0
Number of housing units	0	0	0
Maximum height (in feet)	0	0	0
TRANSPORTATION			
Vehicle trips per day	0	0	0
Parking spaces	0	0	0
WATER/WASTEWATER			
Gallons/day (GPD) of water use	0	0	0
GPD water withdrawal	0	0	0
GPD wastewater generation/ treatment	0	0	0
Length of water/sewer mains (in miles)	0	0	0

State Permits & Approvals

- ☐ Order of Conditions
- ☐ Superseding Order of Conditions
- ☐ Chapter 91 License
- ☐ 401 Water Quality Certification
- ☐ MHD or MDC Access Permit
- ☐ Water Management Act Permit
- ☐ New Source Approval
- ☐ DEP or MWRA Sewer Connection/ Extension Permit
- ☐ Other Permits (*including Legislative Approvals*) – Specify:

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 ☒No **(Specify: It has not been determined if a "take" would occur. The area where restoration is to occur is located in areas of estimated habitat of rare wildlife and priority habitat or rare species. NEE, on behalf of the Town of Deerfield, is working with NHESP to evaluate potential impacts to rare species in the project area. Surveys are in progress and the results will be submitted to NHESP.)**

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 **NEE reviewed the Mass. Cultural Resource Information System (MACRIS). The closest property identified in this system was the Hester Property – Meadow Brook Farm (DE.904), located greater than 1 mile from the restoration area. NEE will confirm this information with MHC through the submittal of this ENF.**

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_____) ☒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 is being proposed to address on-going riverbank erosion on the Deerfield River, just north of the intersection of Childs Cross Road and Mill Village Road. This project is being funded by the US Natural Resources Conservation Service (NRCS), and preliminary design plans for this project are attached.

The erosion extends approximately 480 linear feet along the River, and immediately adjacent to Mill Village Road. Erosion of the river bank has threatened to undermine Mill Village Road for many years, and temporary measures to maintain the integrity of the road have been conducted on several occasions. The cause of failure of the bank appears to be the erosion of the bank toe as the thalweg (deep part of the channel) encroaches along the outer bank of the river. The bank erosion has increased over the years when severe storms (hurricanes), severe spring floods, and increased river velocity occurs. Severe storms in April and October of 2005 particularly impacted this area, again initiating the need for temporary stabilization. Figure 1 and 2 illustrate the location of the bank erosion.

This ENF is providing a plan to address this on-going erosion and provide a more permanent stabilization measure for this location, one that will protect Mill Village Road from being undermined. There is no off-site alternative for stabilizing this bank, and on-site alternatives are limited as well. A design analysis has been performed for this project by NRCS. Their analysis was conducted to determine if this location would be suitable for streambarbs. The analysis also included an evaluation of methods to stabilize the failed bank sections. The current bank has a slope of approximately 0.8 H: 1V and no vegetation.

The results of the NRCS assessment indicated that streambarbs would be an effective component of the design needed to stabilize this bank. Currently, 5 streambarbs are proposed to be installed in the river to move the thalweg away from the toe of the bank and reduce velocities near the bank. The proposed approach is to repair the bank from the road, and install streambarbs from a constructed