

Project Description

**Hammond Pond – Access Enhancement and Ecological Restoration
MA-DCR**

January 2014

On behalf of the Commonwealth of Massachusetts Department of Conservation and Recreation (DCR), Bourne Consulting Engineering, P.C. is requesting a Chapter 91 License for the Hammond Pond Access Enhancements and Ecological Restoration project at Hammond Pond in the City of Newton, Massachusetts.

The project as proposed in this application will be carried out over two phases. Proposed Phase I work involves:

- Installation of floating walkway on the pond
- Restoration and enhancement of Bank, enhancements of Bordering Land Subject to Flooding, BVW and buffer zone; and
- Grading and resurfacing associated with accessibility improvements, including installation of a woodland pathway and timber boardwalks.

Proposed Phase II work involves:

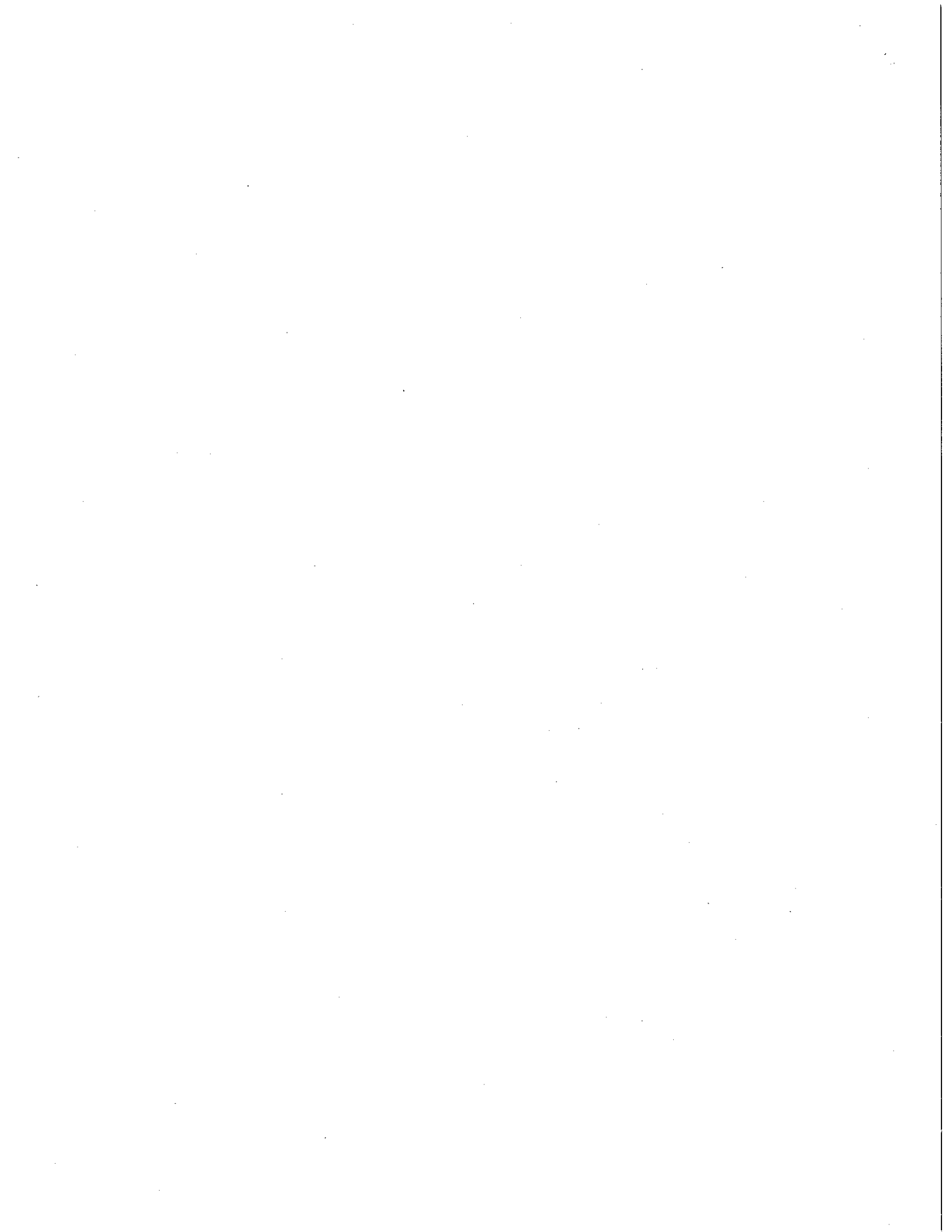
- Installation of native plantings to enhance and facilitate the restoration of degraded portions of the pond bank, transition zone, and upland woodland communities.

The proposed project site is comprised of two types of walkways: one located on the water and the other on land. The water walkway which is within the jurisdiction of Chapter 91 is a total of 3,837 SF, including: 466'x6' walkway, 2 – 20'x20' end floats, 8'x12' rest area, and 2- 30'x6' walkway transition floats. The land walkway, which is outside Chapter 91 jurisdiction is 5,820 SF including a 560 LF and approximately 9'9" wide stabilized aggregate path and 60 LF of 6' wide boardwalk.

The proposed work within Chapter 91 jurisdiction will involve installation of helical moorings to anchor the floating walkway. Helicals will be installed either by machinery positioned along the shoreline or by light machinery positioned on a small barge/boat

As mitigation for impacts to wetlands resource areas, restoration of bordering vegetated wetland (BVW) is proposed along the northern water walkway access, which involves removal of existing material to provide suitable grade for vegetated wetland development. Additional mitigation involves the removal of water lilies from the pond to reduce nutrient loading from annual biomass decomposition and accumulation of sediments. Water lilies will be removed from the area around the walkway via hydroraking, a process that involves equipment resembling a floating backhoe equipped with a York rake to rake the bottom and remove vegetation near the root. This is presumed to be considered dredging and will require a 401 Water Quality Certificate.

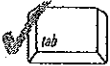
The proposed work will improve public access to the great pond by provide new recreational opportunities to an otherwise underutilized area. At the same time, the project will enhance natural resource areas to improve ecological value of the pond.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
 Water-Dependent, Nonwater-Dependent, Amendment

X258669
 Transmittal No.

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



For assistance in completing this application, please see the "Instructions".

A. Application Information (Check one)

NOTE: For Chapter 91 Simplified License application form and information see the Self Licensing Package for BRP WW06.

Name (Complete Application Sections)	Check One	Fee	Application #
WATER-DEPENDENT -			
General (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$175.00	BRP WW01a
	<input checked="" type="checkbox"/> Other	\$270.00	BRP WW01b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW01c
Amendment (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$85.00	BRP WW03a
	<input type="checkbox"/> Other	\$105.00	BRP WW03b
NONWATER-DEPENDENT -			
Full (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW15a
	<input type="checkbox"/> Other	\$1635.00	BRP WW15b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW15c
Partial (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW14a
	<input type="checkbox"/> Other	\$1635.00	BRP WW14b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW14c
Municipal Harbor Plan (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW16a
	<input type="checkbox"/> Other	\$1635.00	BRP WW16b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW16c
Joint MEPA/EIR (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW17a
	<input type="checkbox"/> Other	\$1635.00	BRP WW17b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW17c
Amendment (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$435.00	BRP WW03c
	<input type="checkbox"/> Other	\$815.00	BRP WW03d
	<input type="checkbox"/> Extended Term	\$1090.00	BRP WW03e

B. Applicant Information Proposed Project/Use Information

1. Applicant:

Massachusetts DCR - Kevin J. Whalen kevin.j.whalen@state.ma.us
 Name E-mail Address
251 Causeway Street, Suite 900
 Mailing Address
Boston MA 02114
 City/Town State Zip Code
(617)626-1250 (617)626-1349
 Telephone Number Fax Number

Note: Please refer to the "Instructions"

2. Authorized Agent (if any):

Bourne Consulting Engineering - Seth Lattrell Slattrell@bournece.com
 Name E-mail Address
3 Bent Street
 Mailing Address
Franklin MA 02038
 City/Town State Zip Code
5085336666 5085330600
 Telephone Number Fax Number

C. Proposed Project/Use Information

1. Property Information (all information must be provided):

Commonwealth of Massachusetts - Department of Conservation and Recreation
 Owner Name (if different from applicant)
123NE, and 108SE - 63037 0028 and 63037 0029 42.324397 -71.170914
 Tax Assessor's Map and Parcel Numbers Latitude Longitude
Boylston St and Hammond Pond Pkwy, Newton MA 02467
 Street Address and City/Town State Zip Code

2. Registered Land Yes No

3. Name of the water body where the project site is located:

Hammond Pond

4. Description of the water body in which the project site is located (check all that apply):

<u>Type</u>	<u>Nature</u>	<u>Designation</u>
<input type="checkbox"/> Nontidal river/stream	<input type="checkbox"/> Natural	<input type="checkbox"/> Area of Critical Environmental Concern
<input type="checkbox"/> Flowed tidelands	<input checked="" type="checkbox"/> Enlarged/dammed	<input type="checkbox"/> Designated Port Area
<input type="checkbox"/> Filled tidelands	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Ocean Sanctuary
<input checked="" type="checkbox"/> Great Pond		<input type="checkbox"/> Uncertain
<input type="checkbox"/> Uncertain		

C. Proposed Project/Use Information (cont.)

Select use(s) from
 Project Type Table
 on pg. 2 of the
 "Instructions"

5. Proposed Use/Activity description

The project is intended to enhance trail accessibility while repairing and enhancing the ecological function of the Pond. Trail restoration includes restoring existing pathways and a new floating walkway to increase connectivity with the water/natural environment. Float installation includes hydromining of vegetation for habitat restoration and driving of helical moorings to anchor floats.

6. What is the estimated total cost of proposed work (including materials & labor)?

\$800,000

7. List the name & complete mailing address of each abutter (attach additional sheets, if necessary). An abutter is defined as the owner of land that shares a common boundary with the project site, as well as the owner of land that lies within 50' across a waterbody from the project.

City of Newton	1000 Comm Ave, Newton, MA 02459
Name	Address
Daniel E Rothenberg	1330 Boylston St, Chestnut Hill, MA 02467
Name	Address
_____	_____
Name	Address

D. Project Plans

1. I have attached plans for my project in accordance with the instructions contained in (check one):

Appendix A (License plan) Appendix B (Permit plan)

2. Other State and Local Approvals/Certifications

401 Water Quality Certificate

Date of Issuance

239-0659

File Number

Wetlands

Jurisdictional Determination

JD-

File Number

MEPA

14887

File Number

EOEA Secretary Certificate

Date

21E Waste Site Cleanup

RTN Number

E. Certification

All applicants, property owners and authorized agents must sign this page. All future application correspondence may be signed by the authorized agent alone.

"I hereby make application for a permit or license to authorize the activities I have described herein. Upon my signature, I agree to allow the duly authorized representatives of the Massachusetts Department of Environmental Protection and the Massachusetts Coastal Zone Management Program to enter upon the premises of the project site at reasonable times for the purpose of inspection."

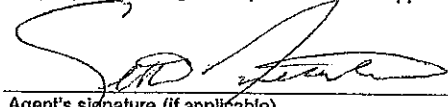
"I hereby certify that the information submitted in this application is true and accurate to the best of my knowledge."


Applicant's signature

1/10/14
Date

Property Owner's signature (if different than applicant)

Date


Agent's signature (if applicable)

1/15/14
Date

F. Waterways Dredging Addendum

1. Provide a description of the dredging project

Maintenance Dredging (include last dredge date & permit no.) Improvement Dredging

Hydroraking of water lilies to restore open water and improve habitat. Please see project description.
Purpose of Dredging

2. What is the volume (cubic yards) of material to be dredged?

Volume dependent upon
density of vegetation

3. What method will be used to dredge?

Hydraulic Mechanical Other

4. Describe disposal method and provide disposal location (include separate disposal site location map)

Material will be disposed of upland

5. Provide copy of grain size analysis. If grain size is compatible for beach nourishment purposes, the Department recommends that the dredged material be used as beach nourishment for public beaches. **Note:** In the event beach nourishment is proposed for private property, pursuant to 310 CMR 9.40(4)(a)1, public access easements below the existing high water mark shall be secured by applicant and submitted to the Department.

G. Municipal Zoning Certificate

Commonwealth of Massachusetts- Department of Conservation and Recreation

Name of Applicant

Boylston St and Hammond Pond Pkwy

Hammond Park

Newton

Project street address

Waterway

City/Town

Description of use or change in use:

The project is intended to enhance trail accessibility while repairing and enhancing the ecological function of the Pond. Trail restoration includes restoring existing pathways and a new floating walkway to increase connectivity with the water/natural environment. Float installation includes hydromining of vegetation for habitat restoration and driving of helical moorings to anchor floats.

To be completed by municipal clerk or appropriate municipal official:

"I hereby certify that the project described above and more fully detailed in the applicant's waterways license application and plans is not in violation of local zoning ordinances and bylaws."

Printed Name of Municipal Official

Date

Signature of Municipal Official

Title

City/Town

H. Municipal Planning Board Notification

Notice to Applicant:

Section H should be completed and submitted along with the original application material.

Commonwealth of Massachusetts- Department of Conservation and Recreation

Name of Applicant

Boylston St and Hammond Pond Pkwy

Hammond Pond

Newton

Project street address

Waterway

City/Town

Description of use or change in use:

The project is intended to enhance trail accessibility while repairing and enhancing the ecological function of the Pond. Trail restoration includes restoring existing pathways and a new floating walkway to increase connectivity with the water/natural environment. Float installation includes hydrraking of vegetation for habitat restoration and driving of helical moorings to anchor floats.

To be completed by municipal clerk or appropriate municipal official:

"I hereby certify that the project described above and more fully detailed in the applicant's waterways license application and plans have been submitted by the applicant to the municipal planning board."

Printed Name of Municipal Official

Date

Signature of Municipal Official

Title

City/Town

Note: Any comments, including but not limited to written comments, by the general public, applicant, municipality, and/or an interested party submitted after the close of the public comment period pertaining to this Application shall not be considered, and shall not constitute a basis for standing in any further appeal pursuant to 310 CMR 9.13(4) and/or 310 CMR 9.17.

