

Consulting
Engineers and
Scientists

Big Alum Pond Notice of Intent

Big Alum Pond, Sturbridge, MA

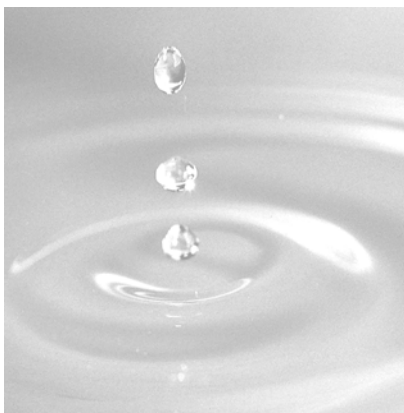
Submitted to:

Rebecca Gendreau
Conservation Agent
Town of Sturbridge
301 Main Street
Sturbridge, MA 01566
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Submitted by:

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November 21, 2023
Project 2300554



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JKF:jam

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1. Introduction

1.1 Project Background

On behalf of The Big Alum Lake Association (BALA), GEI Consultants, Inc., P.C. is submitting this Notice of Intent (NOI) to the Town of Sturbridge Conservation Commission in order to conduct aquatic plant management services on Big Alum Pond in Sturbridge, Massachusetts (Fig. 1). Aquatic vegetation growth on Big Alum Pond currently impacts recreational and ecological desired uses. To control nuisance aquatic vegetation, BALA is proposing three management strategies to be conducted either separately or concurrently:

1. In-lake aquatic vegetation herbicide treatment
2. Emergent plant aquatic herbicide control
3. Winter lake drawdown

The following narrative will introduce the project background, list all relevant critical resources and habitats located within the project work zone and describe in detail each of the three proposed management actions.

This NOI is submitted under the Massachusetts Wetland Protection Act (WPA) and its Regulations (M.G.L. c 131 § 40; 310 CMR 10.00) and the Sturbridge Wetlands Bylaw and associated Regulations (Division 1 Chapter 286 and Division 2 Chapter 365). A completed Wetlands Protection Act (WPA) Form 3 – Notice of Intent is included in Appendix A. The NOI Wetland Fee Transmittal Form is included in Appendix B which determines the States’ share to be \$737.50 and the Town’s share to be \$762.50. In addition, a check for \$450.00 is included, made payable to the *Town of Sturbridge*, to cover the Sturbridge bylaw fee. Abutter notices regarding this NOI filing were sent via certified mail to all property owners within 200 feet of the proposed work area. The property owner listing was obtained from the Town of Sturbridge Board of Assessor’s office on September 18, 2023. Documentation of the notification and an Affidavit of Service is included in Appendix C.

1.2 General Lake Description

The proposed work activities will take place within the shoreline limits of Big Alum Pond. A site map showing the work zone and resource area is in Figure 2. Big Alum Pond is a 200-acre (8,494,000 square feet) recreational waterbody located entirely within the Town of Sturbridge (Worcester County), Massachusetts. The lake has a mean depth of 23 feet with a maximum depth of 41.4 feet. Water transparency is typically between 10 and 15 feet.

The lake’s watershed is 0.88 square miles (563 acres), which is small compared to its lake size (watershed to lake ratio 2.8:1). The majority of the land use in the watershed is forest,

with dense residential development along the western and northern shorelines. The lake's outlet is located at the southwestern corner and drains into Long Pond, part of the Quinebaug River Watershed.

1.3 Resource Areas

The project work zone is located in Land Underwater jurisdictional area and is only being conducted within the shoreline limits of Big Alum Pond which occupies approximately 8,494,000 square feet, as listed in WPA Form 3. Big Alum Pond is within the 200 feet buffer zone of a DEP mapped wetland located near Roy Road. This wetland is 0.27 acres and classified as a woody swamp. The aquatic herbicide treatment, water level drawdown and the emergent plant treatment will happen within the Lands Under Water resource area and the nature of the project activities are not anticipated to impact this resource.

1.4 Other Resources

The project work area within Big Alum Pond is not within Endangered Species Program (NHESP) estimated Habitats of Rare Wildlife as shown on Fig. 3. There are no Outstanding Resource Waters, Areas of Critical Environmental Concern, Certified Vernal Pools, or Zone II water supply areas associated with the area where work is proposed. All project activities will be conducted within Land Under Water and therefore an evaluation of the FEMA 100-year floodplain is not applicable to this project.

1.5 Stormwater Management

The proposed work activities will not result in either soil disturbance or increase in impervious area, therefore a Stormwater Checklist was not applicable for proposed activities under this NOI. Due to the nature of the proposed activities within Big Alum Pond, a Stormwater Management Report has not been prepared for the work under this NOI.

1.6 Ecological Restoration Limited Project Status Under WPA

This project qualifies under Massachusetts General Law (M.G.L.) c. 131 §40 as an Ecological Restoration Limited Project subject to 310 CMR 10.53(4)(e) because the purpose is to remove aquatic nuisance vegetation to retard pond and lake eutrophication. A completed WPA Form 3 Appendix A: Ecological Restoration Limited Project Checklist is included in Appendix A.

2. Proposed Actions

2.1 Aquatic Herbicide Treatment

BALA will contract with a Massachusetts certified commercial pesticide applicator to control nuisance aquatic plant populations within Big Alum Pond. The proposed management program is discussed in more detail below and is consistent with the guidelines in the following documents:

- Final Generic Environmental Impact Report: Eutrophication and Aquatic Plant Management in Massachusetts (June 2004)
- Guidance for Aquatic Plant Management in Lakes and Ponds: As it Relates to the Wetlands Protection Act (April 2004 - DEP Policy/SOP/Guideline# BRP/DWM/WW/G04-1).

All herbicide treatments will be performed by Massachusetts Commercially Certified Applicators in accordance with label instructions, the Order of Conditions, and the site-specific License to Apply Chemicals (BRP WM 04) that must be filed annually with DEP's Office of Watershed Management. A copy of the valid License to Apply Chemicals will be provided to the Conservation Commission upon request.

The total area to be disturbed will be the littoral zone of the lake (~75 acres); however, the maximum area to be treated in one application will be 40 acres, to be determined during the same year of application using past surveys and best management practices. The conservation commission will receive records of the treatment area at the end of the year. Treatments will take place in mid- to late-April. Treatments early in the growing season allow for longer control, as plants are less established during this time of year.

During the day of application, the applicator will check weather and site conditions to ensure that they are sufficient for treatment. Treatments on rainy days and/or high winds can reduce efficiency of treatment and move herbicide offsite. All appropriate postings and notifications will be made to residents and proper local and state authorities. The applicator will ensure that all equipment used will be cleaned, drained, and dried prior to launch.

2.1.1 *Application Methodology*

The application method will consist of either a boat-based herbicide drip technology or granular spreading technology, depending on which herbicide is used. The applicator will follow pre-determined treatment polygons using a combination of GPS technology and hand maps. All equipment used for applications will be triple-rinsed on site. Empty herbicide jugs/containers will be contained properly and recycled.

The specific EPA registered herbicide to be used for in-lake applications will vary based on the results of the previous lake survey and target plant species to control during a given year. Possible (not all inclusive) active ingredients are listed in Table 1, along with the intended use and target species. BALA requests that multiple active ingredients be listed on the OOC as different aquatic plant conditions year to year may necessitate a shift in the aquatic plant strategy. This is especially useful if there is an introduction of a new aquatic invasive plant species that necessitates rapid response. Applicators will follow all label instructions when handling and applying the aquatic herbicide.

Table 1: Herbicide Active Ingredients	
Active Ingredient	General Use of Pesticide
Copper Based Products (Copper sulfate, Copper Ethanolamine Complex)	Contact herbicide/algacide. Control of filamentous algae and aquatic plants
Diquat Dibromide	Contact herbicide. Control of aquatic plants, mostly used for spot treatments
Fluridone	Systemic herbicide. Control of aquatic plants, for lake-wide control and early season curly leaf pondweed treatment

As part of the post treatment monitoring, a survey and count of dead fish will be made. An occurrence of 20 or more adult fish (greater than 6 inches in total length) will indicate a fish kill. If a fish kill is observed, the application will cease immediately until the scope and potential causes of the kill have been investigated by the proper agencies. Based on the application rate proposed and the amount of vegetation to be treated (never more than half of the total littoral zone acreage and only 20% of the entire lake surface area, approximately 1,742,000 square feet), issues with rapid dissolved oxygen loss and resulting aquatic biota stress are not anticipated to occur.

A post-treatment monitoring survey will occur during the late summer, between August and mid-September. The survey will involve inspections of the treatment area and re-visiting pre-established waypoints from the 2022 fall aquatic plant survey (NEAR 2022). At each pre-determined waypoint, all species will be identified, and their percent cover estimated. The purpose of the survey is to monitor trends in plant distribution and abundance of plants over time and to identify any significant changes which would necessitate a change in management strategy. If any changes resulting from the survey are to be acted upon, BALA will send a written request to the Conservation Commission. Written requests will include specifics of the change including differences in active herbicide ingredient, estimated total product to be used and target application rate.

2.2 Emergent Plant Treatment

Using the same commercial pesticide applicator, BALA will control nuisance invasive emergent vegetation if control is deemed necessary. The main method of control would be the use of EPA and state registered herbicide, to be decided upon between stakeholder and applicator (i.e. imazamox, triclopyr, glyphosate).

The decision to treat will be based on the most recent information and a cost/benefit analysis to be performed by BALA with consultation from the commercial pesticide applicator. The analysis will weigh the ecological and recreational impact of the emergent plant populations and the risk of spread and expansion of nuisance populations against the risk of a “no action” decision.

BALA will notify the conservation commission of any emergent plant patches that require treatment with information such as:

- Patch size
- Target species(s)
- Timing of proposed treatment
- Habitat type
- Selected herbicide and rate

2.2.1 *Application Methodology*

Under ~200 plants, commercial applicators will use hand wicking as the primary herbicide control measure. If target invasives are present amongst desirable native species, hand wicking or a similar selective application method should be implored to avoid collateral damage. Over ~200 plants, commercial applicators will use tank spraying methods. Under both plant density scenarios, the certified pesticide applicator will use an indicator dye to ensure all target plants have been treated and to prevent staff and the disturbing previously treated areas. The applied solution will also contain a MassDEP approved surfactant to achieve optimal results.

The treatments will only take place within the Land Under Water jurisdictional area. The conservation commission will receive an end of the year summary detailing any emergent plant treatment activities.

2.3 Annual Drawdown

BALA will conduct an annual drawdown at the end of the year to assist in controlling aquatic vegetation and allow residents to repair shoreline structures. The drawdown is planned to begin on November 1st of each year. Water will be lowered to 30 inches below the spillway level. In years ending in 0's and 5's the lake is lowered an additional 6 inches to 36 inches

below the spillway level. The deeper drawdown allows for additional shoreline weeds to freeze and for residents to plan and accomplish repairs to walls with a deeper shoreline.

Big Alum Pond Dam is located on the southwestern shore of the lake at the intersection of Mt. Dan Road and The Trail. The dam structure is a concrete wall with a 2 feet by 2 feet opening 5 feet below the top of the wall. A 2 feet by 2 feet metal plate covers that opening in order to close the dam. That plate has a threaded rod attached to the top of it. The rod/plate assembly is raised or lowered by means of a hand wheel/captive nut. Water outflow is controlled by the up or down plate position. Photos of the dam structure and Big Alum Pond are presented in a photo log in Appendix D.

The drawdown will be conducted via best management guidelines laid out in the same documents referenced in the aquatic herbicide treatment section. The drop in water level will happen at a slow enough pace to allow mobile organisms to move out of the exposed zone. The drawdown will commence after November and the target depth of 30 inches below full-lake level will be achieved at least by the beginning of December. Outflow rate during the drawdown period will not exceed 4 cubic feet per second (CFS). BALA members will ensure that inflow and outflow are equal to the greatest possible extent to maintain a stable water level. Outflow discharge during re-fill will be above 0.5 CFS and full lake level will be achieved by April.

Minimal impacts to the jurisdictional area are anticipated considering the drawdown strategy proposed by BALA. Most fish species in Big Alum Pond do not spawn until later than April 1st, when water levels are scheduled to return to pre drawdown conditions. Amphibians, reptiles, and wildlife will have ample time to relocate out of the drawdown area.

There is no anticipated impact to shallow wells from the drawdown effort due to the limited depth of drawdown. We are not aware of any private wells around the area of the pond that would be affected by the drawdown.

Release of a maximum of 4 CFS into the outflow stream will not create any significant downstream flooding and associated damage. The proposed slow release between November 1st and December 1st will also reduce the flooding risk, as opposed to a more rapid, sudden release.

3. Wildlife Habitat Assessment

In accordance with 310 CMR 10.56(4)(a)(4) and 310 CMR 10.60(1)(a), a Wildlife Habitat Evaluation is provided under this NOI. Big Alum Pond’s wildlife habitat as it pertains to the resource area consists of diverse stands of aquatic vegetation, rock outcroppings, partially submersed and overhanging limbs. A completed Detailed Wildlife Habitat Evaluation Form per the Wildlife Habitat Protection Guidance is included in Appendix E.

3.1 Aquatic Vegetation

Important habitat features for Big Alum Pond include Important Wetland/Aquatic Food Plants (Smartweeds, Pondweeds, Wild Rice, Bulrush, Wild Celery). There have been numerous surveys of aquatic vegetation over the past few years, including pre and post herbicide evaluations. Solitude Lake Management performed a pre and post survey effort in 2018, documenting multiple species of pondweeds before and after the herbicide treatment. Species noted include Ribbonleaf pondweed (*Potamogeton epihydrus*), Robbin’s Pondweed (*Potamogeton robbinsii*), Water Starwort (*Callitriche spp.*) and Waternymph (*Naiad spp.*).

A recent survey performed by Northeast Aquatic Research, LLC during the summer of 2022, details several species of aquatic plants which provide habitat for fish and wildlife (Table 2). The most observed species was Clasp ing leaf pondweed, followed by Mudmat and Grassy arrowhead. Curly leaf pondweed was not documented during this survey, most likely due to the seasonality of the plant (dies off in mid-July) and the success of the treatment.

#	Common Name	Scientific Name	Percent Frequency of Occurrence
1	Clasp ing-leaf pondweed	<i>Potamogeton_perfoliatus</i>	35
2	Mudmat	<i>Glossostigma_sp.</i>	14
3	Grassy arrowhead	<i>Sagittaria_graminea</i>	8
4	Macro-algae Stonewort	<i>Nitella_sp.</i>	2
5	Aquatic moss	<i>Fontinalis_sp.</i>	2
6	Green Filamentous algae	<i>Spriogyra sp.</i>	1
7	Pipewort	<i>Eriocaulon_aquaticum</i>	1
8	White waterlily	<i>Nymphaea_odorata</i>	1
9	Macro-algae Muskgrass	<i>Chara_vulgaris</i>	1
10	Narrowleaf pondweed	<i>Potamogeton_pusillus</i>	1

The combination of native species found in Big Alum Pond provide a varied habitat structure for wildlife. Clasp ing lead pondweed and narrow leaf pondweed grow relatively vertically, while Mutmat, Nitella, and Grassy Arrowhead grow mostly on the bottom, providing ample habitat for benthic invertebrates.

Based on the early season timing of the treatments and previous post treatment monitoring, the proposed action will not have any long-term impact on the wildlife habitat. Furthermore, the non-native curly leaf pondweed population which is one of the target species of the treatments is not considered to be significant to the protection of wildlife habitat. It is anticipated that managing for curly leaf pondweed will improve habitat function overall by giving native, beneficial vegetation space to grow and compete with the invasive.

3.2 Non-Living Habitat

The Land Under Water at Big Alum Pond contains the following Important Habitat Features besides the aquatic vegetation:

- Rocks, crevices, logs, tree roots, or hummocks under the water's surface.
- Rocks, crevices, fallen logs, overhanging branches or hummocks at, or within 1m above the water's surface.
- Live or dead standing vegetation overhanging water or offering good visibility of open water.

The shoreline and underwater areas contain multiple variations on the above habitat including underwater rock formations, limbs and submersed logs. This is especially present in the northern end of the lake, near the island. There are also a few overhanging limbs around the shoreline.

Massachusetts division of wildlife stocks Big Alum Pond with Brown and Rainbow trout annually. The lake is deep enough and has a stable thermocline and a hypolimnion that contains sufficient dissolved oxygen.

Habitat connectivity for Big Alum Pond consists of lake inlets and shoreline areas where turtles and wildlife can move freely from the lake to the upland. GEI considers connectors to be numerous.

4. Project Summary and Schedule

In summary, GEI Consultants, Inc., P.C. has been retained by The Big Alum Lake Association to assist with the permit application for an updated Notice of Intent for aquatic plant management activities. The goal of the project is to manage nuisance aquatic plant populations within Big Alum Pond utilizing EPA registered aquatic herbicides. The association would also like to include annual lake drawdowns and potential management of emergent plant species as aquatic plant control activities.

To summarize, the activities schedule is as follows:

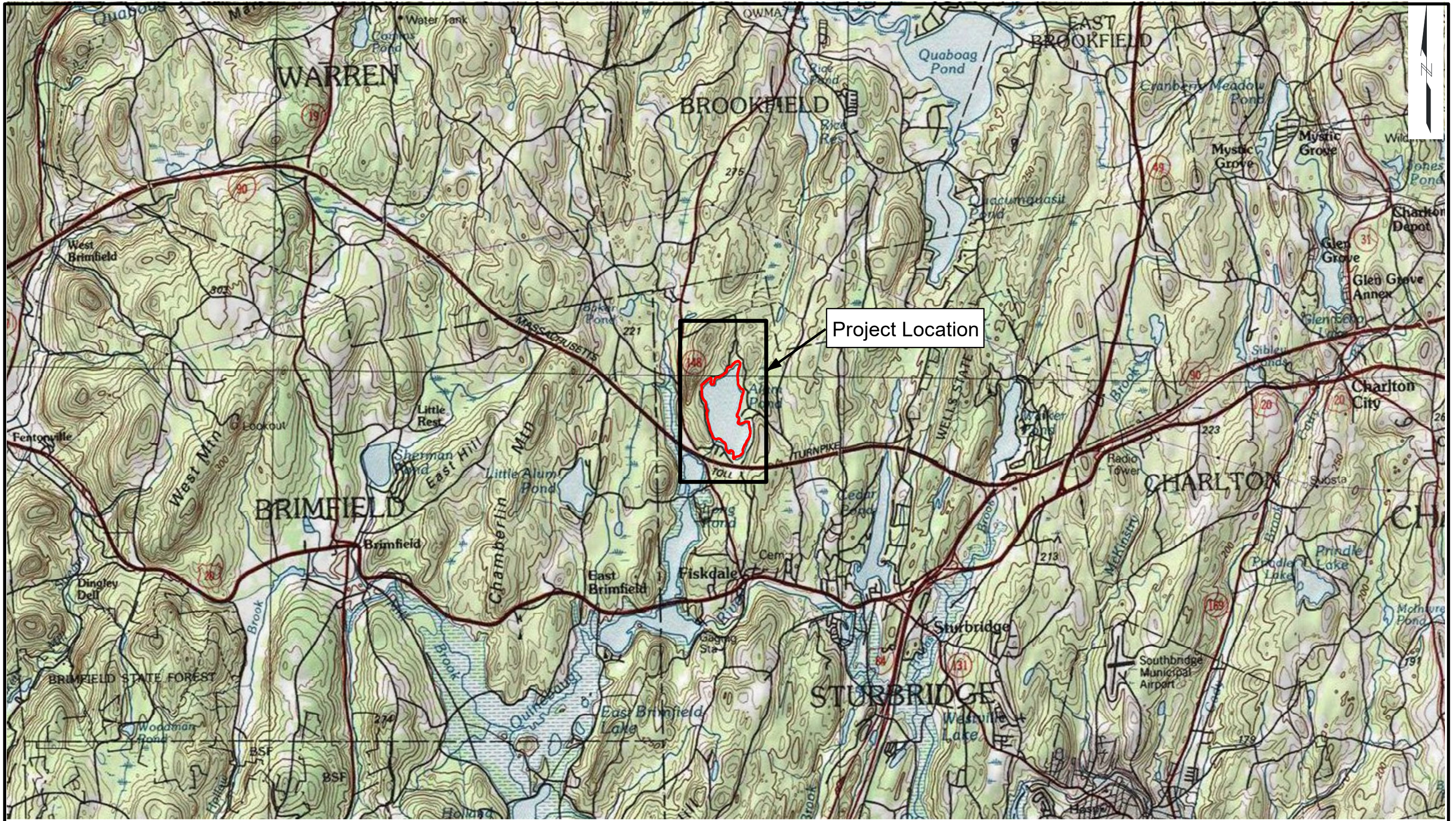
Activity	Schedule
In-lake aquatic vegetation herbicide treatment	One round of application in mid- to late-April. Later season treatments may be necessary depending on the type of treatment and target vegetation.
Winter lake drawdown	Drawdown from November 1 st to December 1 st Re-fill by April
Emergent plant aquatic herbicide control	As needed (likely Spring and Summer months)

The following documents are enclosed for your review:

- Notice of Intent WPA 3 Form (Appendix A)
- NOI Wetland Fee Transmittal Form and Town Fee Calculation Form (Appendix B)
- Notification to Abutters (Appendix C)
- Wildlife Habitat Evaluation (Appendix E)
- Town of Sturbridge NOI Checklist and Tax Form (Appendix F)

Big Alum Pond
Notice of Intent
Big Alum Pond, Sturbridge, MA
November 21, 2023

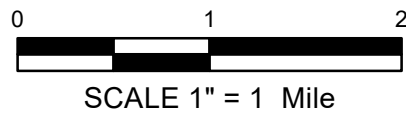
Figures



Project Location

SOURCE:

1. USGS 7.5 MINUTE QUAD MAP FOR EAST BROOKFIELD NY
 ACCESSED VIA ESRI ONLINE MAPPING



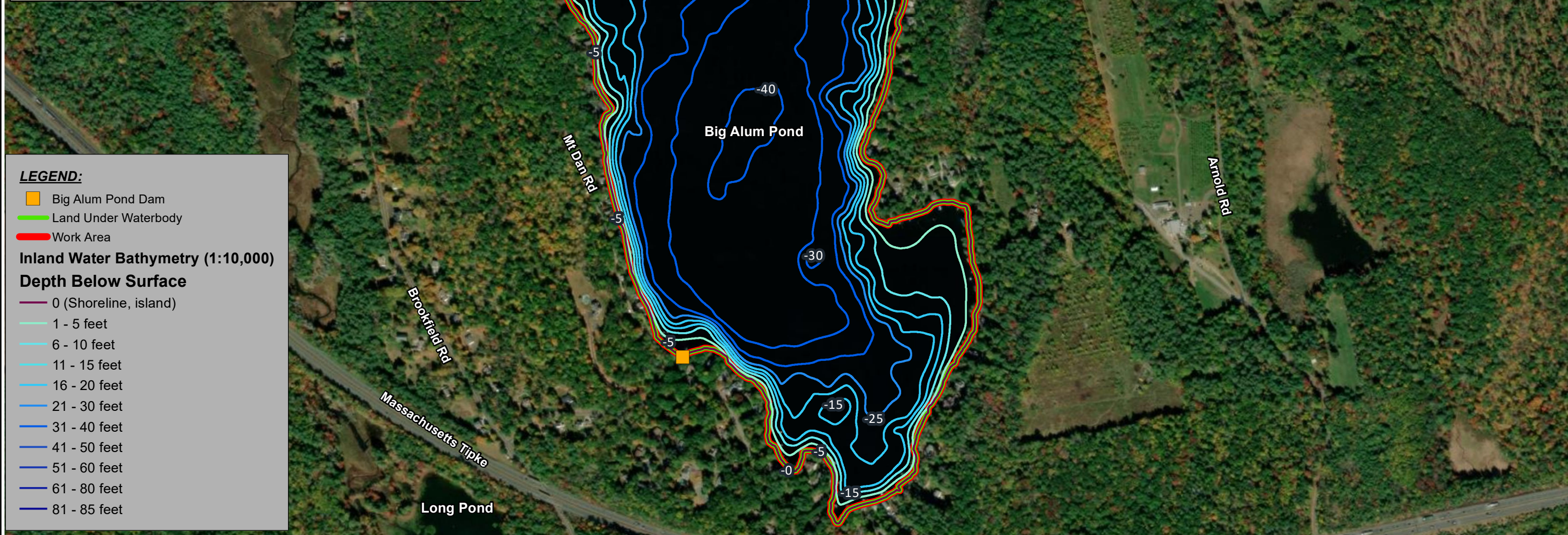
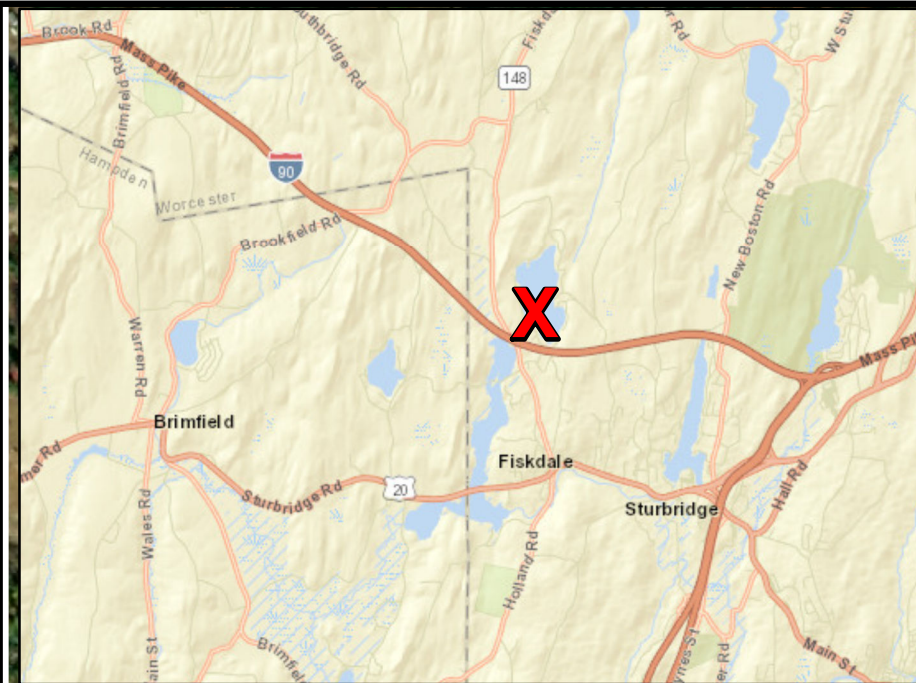
Notice of Intent
 Big Alum Pond,
 Sturbridge, Massachusetts
 Big Alum Lake Association
 Sturbridge, Massachusetts



SITE LOCATION MAP

Project 2300554 November 2023

Figure 1



LEGEND:

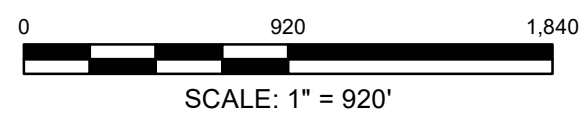
- Big Alum Pond Dam
- Land Under Waterbody
- Work Area

Inland Water Bathymetry (1:10,000)

Depth Below Surface

- 0 (Shoreline, island)
- 1 - 5 feet
- 6 - 10 feet
- 11 - 15 feet
- 16 - 20 feet
- 21 - 30 feet
- 31 - 40 feet
- 41 - 50 feet
- 51 - 60 feet
- 61 - 80 feet
- 81 - 85 feet

SOURCE:
1.2022 WORLD IMAGERY ACCESSED VIA ESRI ARCMAP



Notice of Intent
Big Alum Pond,
Sturbridge, Massachusetts

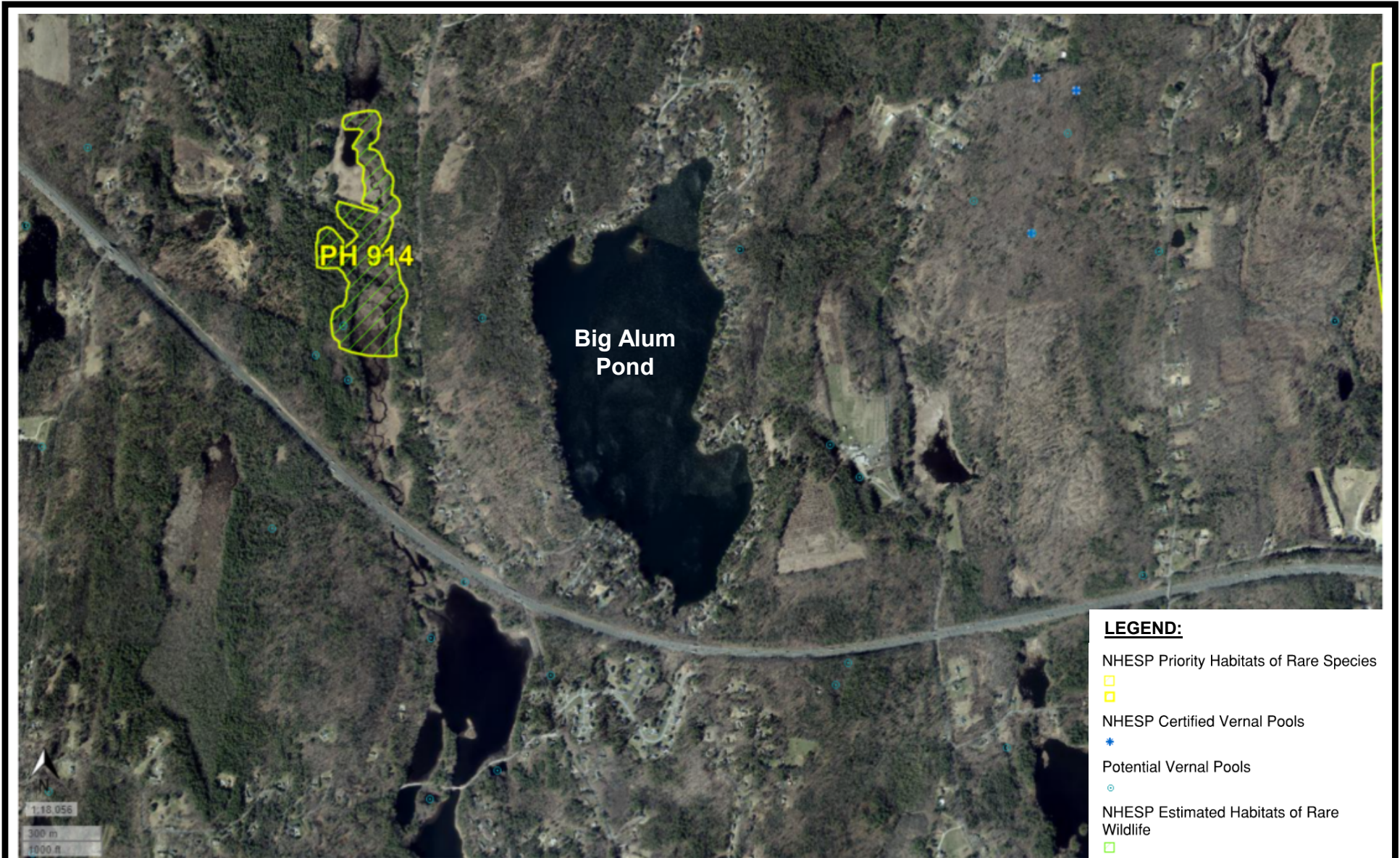
Big Alum Lake Association
Sturbridge, Massachusetts



BIG ALUM POND SITE MAP

November 2023

Figure 2



LEGEND:

- NHESP Priority Habitats of Rare Species
□
- NHESP Certified Vernal Pools
*
- Potential Vernal Pools
○
- NHESP Estimated Habitats of Rare Wildlife
□

SOURCE:
MassGIS MassMapper
accessed on August 23, 2023.

Notice of Intent
Big Alum Pond,
Sturbridge, Massachusetts

Big Alum Lake Association
Sturbridge, Massachusetts

GEI 
Consultants

Project 2300554

**NATURAL HERITAGE &
ENDANGERED SPECIES
PROGRAM**

November 2023 Figure 3

Big Alum Pond
Notice of Intent
Big Alum Pond, Sturbridge, MA
November 21, 2023

Appendix A

WPA Form 3 – Notice of Intent



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number
Document Transaction Number
Sturbridge
City/Town

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



Note:
 Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>Big Alum (Pond) Lake</u>	<u>Sturbridge</u>	<u>01566</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>None per Sturbridge Assessor</u>	<u>72.07'05"W</u>	<u>42.08'05"N</u>
f. Assessors Map/Plat Number	d. Latitude	e. Longitude
<u>g. Parcel /Lot Number</u>		

2. Applicant:

<u>Big Alum Lake Association</u>		
a. First Name	b. Last Name	
c. Organization		
<u>P.O. Box 355</u>		
d. Street Address		
<u>Fiskdale</u>	<u>MA</u>	<u>01518</u>
e. City/Town	f. State	g. Zip Code
<u>970-485-0361</u>	<u>chuckroy65@gmail.com</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

<u>Commonwealth of Massachusetts (per the Sturbridge Assessor)</u>		
a. First Name	b. Last Name	
c. Organization		
<u></u>		
d. Street Address		
<u></u>		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

<u>Ann</u>	<u>McMenemy, PWS, NHCWS</u>	
a. First Name	b. Last Name	
<u>GEI Consultants, Inc.</u>		
c. Company		
<u>124 Grove Street, Suite 300</u>		
d. Street Address		
<u>Franklin</u>	<u>MA</u>	<u>02038-3156</u>
e. City/Town	f. State	g. Zip Code
<u>978-500-0734</u>	<u>amcmemey@geiconsultants.com</u>	
h. Phone Number	i. Fax Number	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>1,500.00</u>	<u>737.50</u>	<u>762.50</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Sturbridge
City/Town

A. General Information (continued)

6. General Project Description:

Continuation of the yearly herbicide and drawdown lake treatments as well as targeted herbicide treatment of emergent plants to control nuisance aquatic vegetation in the resource area Land Under Waterbodies.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

- 1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

10.53 (4) Ecological Restoration

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Worcester

a. County

b. Certificate # (if registered land)

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Sturbridge

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input checked="" type="checkbox"/> Land Under Waterbodies and Waterways	8,494,000 1. square feet 0 3. cubic yards dredged	8,494,000 2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
----------------------	-------------------------------	--

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

4. Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5. Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

- a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

- August 1, 2021
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. Percentage/acreage of property to be altered:
 - (a) within wetland Resource Area _____ percentage/acreage
 - (b) outside Resource Area _____ percentage/acreage
2. Assessor's Map or right-of-way plan of site

2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

- (c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) Vegetation cover type map of site

- (e) Project plans showing Priority & Estimated Habitat boundaries

- (f) OR Check One of the Following

1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and
the Cape & Islands:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

- c. Is this an aquaculture project? d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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Online Users:
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C. Other Applicable Standards and Requirements (cont'd)

- 4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
 b. ACEC

- 5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
 a. Yes No
- 6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
 a. Yes No
- 7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
 a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
 - 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 - 2. A portion of the site constitutes redevelopment
 - 3. Proprietary BMPs are included in the Stormwater Management System.
 b. No. Check why the project is exempt:
 - 1. Single-family house
 - 2. Emergency road repair
 - 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

See attached supplemental Table 1

a. Plan Title

GEI Consultants

b. Prepared By

c. Signed and Stamped by

Various

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.

6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8. Attach NOI Wetland Fee Transmittal Form

9. Attach Stormwater Report, if needed.

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

771504

2. Municipal Check Number

10/26/2023

3. Check date

771382

4. State Check Number

10/26/2023

5. Check date

GEI Consultants, Inc.

6. Payor name on check: First Name

GEI Consultants, Inc.

7. Payor name on check: Last Name



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F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

	11/10/2023
1. Signature of Applicant	2. Date
3. Signature of Property Owner (if different)	4. Date
	11/10/2023
5. Signature of Representative (if any)	6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

Table 1. Final Plans and Figures
Notice of Intent
Big Alum Pond
Sturbridge, Massachusetts

Figure	Title	Scale	Date
Figure 1	Site Location Map	1 inch = 1 Mile	November 2023
Figure 2	Site Plan	1 inch = 920 feet	November 2023
Figure 3	NHESP Map	1 inch = 1,850 feet	November 2023



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Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Eligibility Checklist

Provided by MassDEP:
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This Ecological Restoration Limited Project Eligibility Checklist guides the applicant in determining if their project is eligible to file as an Inland or Coastal Ecological Restoration Limited Project (310 CMR 10.53(4) or 310 CMR 10.24(8) respectively). These criteria must be met when submitting the Ecological Restoration Limited Project Notice of Intent to ensure that the restoration and improvement of the natural capacity of a Resource Area(s) to protect and sustain the interests identified in the WPA is **necessary** to achieve the project's ecological restoration goals.

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



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

Regulatory Features of All Coastal and Inland Ecological Restoration Limited Projects

- (a) May result in the temporary or permanent loss of/or conversion of Resource Area: An Ecological Restoration Limited Project that meets the requirements of 310 CMR 10.24(8) may result in the temporary or permanent loss of Resource Areas and/or the conversion of one Resource Area to another when such loss is necessary to the achievement of the project's ecological restoration goals.
- (b) Exemption from wildlife habitat evaluation: A NOI for an Ecological Restoration Limited Project that meets the minimum requirements for Ecological Restoration Projects and for a MassDEP Combined Application outlined in 310 CMR 10.12(1) and (2) is exempt from providing a wildlife habitat evaluation (310 CMR 10.60).
- (c) The following are considerations for applicants filing an Ecological Restoration Limited Project NOI and for the issuing authority approving a project as an Ecological Restoration Limited Project:
 - The condition of existing and historic Resource Areas proposed for restoration.
 - Evidence of the extent and severity of the impairment(s) that reduce the capacity of the Resource Areas to protect and sustain the interests identified in M.G.L. c. 131, § 40.
 - The magnitude and significance of the benefits of the Ecological Restoration Project in improving the capacity of the affected Resource Areas to protect and sustain the other interests identified in M.G.L. c. 131, § 40.
 - The magnitude and significance of the impacts of the Ecological Restoration Project on existing Resource Areas that may be modified, converted and/or lost and the interests for which said Resource Areas are presumed significant in 310 CMR 10.00, and the extent to which the project will:
 - a. avoid adverse impacts to Resource Areas and the interests identified in M.G.L. c. 131, § 40, that can be avoided without impeding the achievement of the project's ecological restoration goals.
 - b. minimize adverse impacts to Resource Areas and the interests identified in M.G.L. c. 131, § 40, that are necessary to the achievement of the project's ecological restoration goals.
 - c. utilize best management practices such as erosion and siltation controls and proper construction sequencing to avoid and minimize adverse construction impacts to resource areas and the interests identified in M.G.L. c. 131, § 40.



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Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8))

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Complete this Eligibility Criteria Checklist **before** filling out a Notice of Intent Application to determine if your project qualifies as a Coastal Ecological Restoration Limited Project. (310 CMR 10.24(8)) Sign the Eligibility Certification at the end of Appendix A, and attach the checklist with supporting documentation and the Eligibility Certification to your Notice of Intent Application.

General Eligibility Criteria for All Coastal Ecological Restoration Limited Projects

Notwithstanding the requirements of 310 CMR 10.25 through 10.35, 310 CMR 10.54 through 10.58, and the Wildlife Habitat evaluations in 310 CMR 10.60, the Issuing Authority may issue an Order of Conditions permitting an Ecological Restoration Project listed in 310 CMR 10.24(8)(e) as an Ecological Restoration Limited Project and impose such conditions as will contribute to the interests identified in the WPA M.G.L. provided that the project meets all the requirements in 310 CMR 10.24(8).

- The project is an Ecological Restoration Project as defined in 310 CMR 10.04 and is a project type listed below [310 CMR 10.24(8)(e)].
- Tidal Restoration.
- Shellfish Habitat Restoration.
- Other Ecological Restoration Limited Project Type.
- The project will further at least one of the WPA (M.G.L. c. 131, § 40) interests identified below.
 - Protection of public or private water supply.
 - Protection of ground water supply.
 - Flood control.
 - Storm damage prevention.
 - Prevention of pollution.
 - Protection of land containing shellfish.
 - Protection of fisheries.
 - Protection of wildlife habitat.
- If the project will impact an area located within estimated habitat which is indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands, a NHESP preliminary written determination is attached to the NOI submittal that the project will not have any adverse long-term and short-term effects on specified habitat sites of Rare Species or the project will be carried out in accordance with an approved NHESP habitat management plan.



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Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8)) (Cont.)

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General Eligibility Criteria for All Coastal Ecological Restoration Limited Projects (cont.)

- If the project is located in a Coastal Dune or Barrier Beach, the project avoids and minimizes armoring of the Coastal Dune or Barrier Beach to the maximum extent practicable.
- The project complies with all applicable provisions of 310 CMR 10.24(1) through (6) and 310 CMR 10.24(9) and (10).

Additional Eligibility Criteria for Specific Coastal Ecological Restoration Limited Project Types

These additional criteria must be met to qualify as an Ecological Restoration Limited Project to ensure that the restoration and improvement of the natural capacity of a Resource Area to protect and sustain the interests identified in the WPA is **necessary** to achieve the project's ecological restoration goals.

- This Ecological Restoration Limited Project application meets the eligibility criteria for Ecological Restoration Limited Project [310 CMR 10.24(8)(a) through (d) and as proposed, furthers at least one of the WPA interests is for the project type identified below.

Tidal Restoration Projects

- A project to restore tidal flow that will not significantly increase flooding or storm damage impacts to the built environment, including without limitation, buildings, wells, septic systems, roads or other man-made structures or infrastructure.

Shellfish Habitat Restoration Projects

- The project has received a Special Projects Permit from the Division of Marine Fisheries or, if a municipality, has received a shellfish propagation permit.
- The project is made of cultch (e.g., shellfish shells from oyster, surf or ocean clam) or is a structure manufactured specifically for shellfish enhancement (e.g., reef blocks, reef balls, racks, floats, rafts, suspended gear).

Other Ecological Restoration Projects that meet the criteria set forth in 310 CMR 10.24(8)(a) through (d).

- Restoration, enhancement, or management of Rare Species habitat.
- Restoration of hydrologic and habitat connectivity.
- Removal of aquatic nuisance vegetation to impede eutrophication.
- Thinning or planting of vegetation to improve habitat value.
- Fill removal and re-grading.
- Riparian corridor re-naturalization.
- River floodplain re-connection.



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Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8)) (Cont.)

Additional Eligibility Criteria for Specific Coastal Ecological Restoration Limited Project Types

- In-stream habitat enhancement.
- Remediation of historic tidal wetland ditching.
- Eelgrass restoration.
- Invasive species management.
- Installation of fish passage structures.
- Other. Describe: _____
- This project involves the construction, repair, replacement or expansion of public or private infrastructure (310 CMR 10.24(9)).
 - The NOI attachment labeled _____ is an operation and maintenance plan to ensure that the infrastructure will continue to function as designed.
 - The operation and maintenance plan will be implemented as a continuing condition in the Order of Conditions and the Certificate of Compliance.
 - This project proposes to replace an existing stream crossing (310 CMR 10.24(10)). The crossing complies with the Massachusetts Stream Crossing Standards to the maximum extent practicable with details provided in the NOI. The crossing type:
 - Replaces an existing non-tidal crossing that is part of an Anadromous/Catadromous Fish Run (310 CMR 10.35)
 - Replaces an existing tidal crossing that restricts tidal flow. The tidal restriction will be eliminated to the maximum extent practicable.
 - At a minimum, in evaluating the potential to comply with the standards to the maximum extent practicable the following criteria have been consider site constraints in meeting the standard, undesirable effects or risk in meeting the standard, and the environmental benefit of meeting the standard compared to the cost, by evaluating the following:
 - The potential for downstream flooding;
 - Upstream and downstream habitat (in-stream habitat, wetlands);
 - Potential for erosion and head-cutting;
 - Stream stability;
 - Habitat fragmentation caused by the crossing;
 - The amount of stream mileage made accessible by the improvements;
 - Storm flow conveyance;



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Eligibility Criteria - Coastal Ecological Restoration Limited Projects (310 CMR 10.24(8)) (Cont.)

Additional Eligibility Criteria for Specific Coastal Ecological Restoration Limited Project Types

- Engineering design constraints specific to the crossing;
- Hydrologic constraints specific to the crossing;
- Impacts to wetlands that would occur by improving the crossing;
- Potential to affect property and infrastructure; and
- Cost of replacement.

Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4))

Complete this Eligibility Criteria Checklist **before** filling out a Notice of Intent Application to determine if your project qualifies as an Inland Ecological Restoration Limited Project. (310 CMR 10.53(4)) Sign the Eligibility Certification at the end of Appendix A, and attach the checklist with supporting documentation and the Eligibility Certification to your Notice of Intent Application.

General Eligibility Criteria for All Inland Ecological Restoration Limited Projects

Notwithstanding the requirements of any other provision of 310 CMR 10.25 through 10.35, 310 CMR 10.54 through 10.58, and 310 CMR 10.60, the Issuing Authority may issue an Order of Conditions permitting an Ecological Restoration Project listed in 310 CMR 10.53(4)(e) as an Ecological Restoration Limited Project and impose such conditions as will contribute to the interests identified in M.G.L. c. 131, § 40, provided that:

- The project is an Ecological Restoration Project as defined in 310 CMR 10.04 and is a project type listed below [310 CMR 10.53(4)(e)].
 - Dam Removal
 - Freshwater Stream Crossing Repair and Replacement
 - Stream Daylighting
 - Tidal Restoration
 - Rare Species Habitat Restoration
 - Restoring Fish Passageways
 - Other (describe project type): Removal of aquatic nuisance vegetation to retard pond and lake eutrophication



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Appendix A: Ecological Restoration Limited Project Checklists

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Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4)) (cont.)

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General Eligibility Criteria for All Inland Ecological Restoration Limited Projects

- The project will further at least one of the WPA (M.G.L. c. 131, § 40) interests identified below.
 - Protection of public or private water supply
 - Protection of ground water supply
 - Flood control
 - Storm damage prevention
 - Prevention of pollution
 - Protection of land containing shellfish
 - Protection of fisheries
 - Protection of wildlife habitat
- If the project will impact an area located within estimated habitat which is indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands, a NHESP preliminary written determination is attached to the NOI submittal that the project will have no adverse long-term and short-term effects on specified habitat sites of Rare Species or the project will be carried out in accordance with an approved NHESP habitat management plan.
- The project will be carried out in accordance with any time of year restrictions or other conditions recommended by the Division of Marine Fisheries for coastal waters and the Division of Fisheries and Wildlife in accordance with 310 CMR 10.11(3).
- If the project involves the dredging of 100 cubic yards of sediment or more or dredging of any amount in an Outstanding Resource Water, a Water Quality Certification has been applied for or obtained.
- The project complies with all applicable provisions of 310 CMR 10.53(1), (2), (7), and (8).



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Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4)) (cont.)

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Additional Eligibility Criteria for Specific Inland Ecological Restoration Limited Project Types

These additional criteria must be met to qualify as an Ecological Restoration Limited Project to ensure that the restoration and improvement of the natural capacity of a Resource Area to protect and sustain the interests identified in the WPA is **necessary** to achieve the project's ecological restoration goals.

- This project application meets the eligibility criteria for Ecological Restoration Limited Project in accordance with [310 CMR 10.53(4)(a) through (d) and as proposed, furthers at least one of the WPA interests is for the project type identified below:
 - Dam Removal**
 - Project is consistent with MassDEP's 2007 Dam Removal Guidance.
 - Freshwater Stream Crossing Repair and Replacement.** The project as proposed and the NOI describes how:
 - Meeting the eligibility criteria set forth in 310 CMR 10.13 would result in significant stream instability or flooding hazard that cannot otherwise be mitigated, and site constraints make it impossible to meet said criteria.
 - The project design ensures that the stability of the bank is NOT impaired.
 - To the maximum extent practicable, the project provides for the restoration of the stream upstream and downstream of the structure as needed to restore stream continuity and eliminate barriers to aquatic organism movement.
 - The project complies with the requirements of 310 CMR 10.53(7) and (8).
 - Stream Daylighting Projects**
 - The project meets the eligibility criteria for Ecological Restoration Limited Project [310 CMR 10.53(4)(a) through (d)] and as proposed the NOI describes how the proposed project meets to the maximum extent practicable, consistent with the project's ecological restoration goals, all the performance standards for Bank and Land Under Water Bodies and Waterways.
 - The project meets the requirements of 310 CMR 10.12(1) and (2) and a wildlife habitat evaluation is not included in the NOI.
 - Tidal Restoration Project**
 - Restores tidal flow.
 - the project, including any proposed flood mitigation measures, will not significantly increase flooding or storm damage to the built environment, including without limitation, buildings, wells, septic systems, roads or other man-made structures or infrastructure.



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Appendix A: Ecological Restoration Limited Project Checklists

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Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4)) (cont.)

- Other Ecological Restoration Projects** that meet the criteria set forth in 310 CMR 10.53 (4) (a) through (d).
 - Restoration, enhancement, or management of Rare Species habitat.
 - Restoration of hydrologic and habitat connectivity.
 - Removal of aquatic nuisance vegetation to impede eutrophication.
 - Thinning or planting of vegetation to improve habitat value.
 - Riparian corridor re-naturalization.
 - River floodplain re-connection.
 - In-stream habitat enhancement.
 - Fill removal and re-grading.
 - Flow restoration.
 - Installation of fish passage structures.
 - Invasive species management.
 - Other. Describe: _____
- This project involves the construction, repair, replacement or expansion of public or private infrastructure. (310 CMR 10.53(7))
 - The NOI attachment labeled _____ is an operation and maintenance plan to ensure that the infrastructure will continue to function as designed.
 - The operation and maintenance plan will be implemented as a continuing condition in the Order of Conditions and the Certificate of Compliance.
- This project replaces an existing stream crossing (310 CMR 10.53(8)). The crossing type:
 - Replaces an existing non-tidal crossing designed to comply with the Massachusetts Stream Crossing Standards to the maximum extent practicable with details provided in the NOI.
 - Replaces an existing tidal crossing that restricts tidal flow. The tidal restriction will be eliminated to the maximum extent practicable.



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Eligibility Criteria - Inland Ecological Restoration Limited Project (310 CMR 10.53(4)) (cont.)

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Sturbridge

City/Town

- At a minimum, in evaluating the potential to comply with the standards to the maximum extent practicable the following criteria have been consider site constraints in meeting the standard, undesirable effects or risk in meeting the standard, and the environmental benefit of meeting the standard compared to the cost, by evaluating the following:
 - The potential for downstream flooding;
 - Upstream and downstream habitat (in-stream habitat, wetlands);
 - Potential for erosion and head-cutting;
 - Stream stability;
 - Habitat fragmentation caused by the crossing;
 - The amount of stream mileage made accessible by the improvements;
 - Storm flow conveyance;
 - Engineering design constraints specific to the crossing;
 - Hydrologic constraints specific to the crossing;
 - Impacts to wetlands that would occur by improving the crossing;
 - Potential to affect property and infrastructure; and
 - Cost of replacement.



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Required Actions (310 CMR 10.11)

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Sturbridge
City/Town

Complete the Required Actions before submitting a Notice of Intent Application for an Ecological Restoration Project and submit a completed copy of this Checklist with the Notice of Intent.

Massachusetts Environmental Policy Act (MEPA) / Environmental Monitor

<https://www.mass.gov/service-details/the-environmental-monitor>

For Ecological Restoration Limited Projects, there are no changes to MEPA requirements.

Submit written notification at least 14 days prior to the filing of a Notice of Intent (NOI) to the Environmental Monitor for publication. A copy of the written notification is attached and provides at minimum:

- A brief description of the proposed project.
- The anticipated NOI submission date to the conservation commission.
- The name and address of the conservation commission that will review the NOI.
- Specific details as to where copies of the NOI may be examined or acquired and where to obtain the date, time, and location of the public hearing.

Massachusetts Endangered Species Act (MESA) /Wetlands Protection Act Review

Preliminary Massachusetts Endangered Species Act Review from the Natural Heritage and Endangered Species Program (NHESP) has been met and the written determination is attached.

Supplemental Information for Endangered Species Review has been submitted.

1. Percentage/acreage of property to be altered:

a. Within Wetland Resource Area _____
Percentage/acreage

b. Outside Wetland Resource Area _____
Percentage/acreage

2. Assessor's Map or right-of-way plan of site

3. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work.

4. Project description (including description of impacts outside of wetland resource area & buffer zone)

5. Photographs representative of the site

6. MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>)



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Required Actions (310 CMR 10.11) (cont.)

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Sturbridge
City/Town

Make check payable to “Commonwealth of Massachusetts - NHESP” and mail to NHESP:

Natural Heritage & Endangered Species Program

MA Division of Fisheries & Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

- 7. Projects altering 10 or more acres of land, also submit:
 - a. Vegetation cover type map of site
 - b. Project plans showing Priority & Estimated Habitat boundaries

OR Check One of the Following:

- 1. Project is exempt from MESA review.

Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/ma-endangered-species-act-mesa-overview>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59 – see C4 below)

- 2. Separate MESA review ongoing.

_____ a. NHESP Tracking #

_____ b. Date submitted to NHESP

- 3. Separate MESA review completed. Include copy of NHESP “no Take” determination or valid Conservation & Management Permit with approved plan.

Estimated Habitat Map of State-Listed Rare Wetlands Wildlife

If a portion of the proposed project is located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP), complete the portion below. To view habitat maps, see the **Massachusetts Natural Heritage Atlas** or view the maps electronically at: <https://www.mass.gov/guides/masswildlife-publications#-massachusetts-natural-heritage-atlas->

- A preliminary written determination from Natural Heritage and Endangered Species Program (NHESP) must be obtained indicating that:
 - Project will NOT have long- or short-term adverse effect on the actual Resource Area located within estimated habitat indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands Wildlife published by NHESP.
 - Project will have long- or short-term adverse effect on the actual Resource Area located within estimated habitat indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetlands Wildlife published by NHESP. A copy of NHESP’s written preliminary determination in accordance with 310 CMR 10.11(2) is attached. This specifies:

Date of the map: _____



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Required Actions (310 CMR 10.11) (cont.)

Provided by MassDEP:

MassDEP File Number

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Sturbridge

City/Town

- If the Rare Species identified is/are likely to continue to be located on or near the project, and if so, whether the Resource Area to be altered is in fact part of the habitat of the Rare Species.
- That if the project alters Resource Area(s) within the habitat of a Rare Species:
- The Rare Species is identified;
- NHESP's recommended changes or conditions necessary to ensure that the project will have no short or long term adverse effect on the habitat of the local population of the Rare Species is provided; or
- An approved NHESP habitat management plan is attached with this Notice of Intent.

Send the request for a preliminary determination to:
Natural Heritage & Endangered Species Program
MA Division of Fisheries & Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

Division of Marine Fisheries

- If the project will occur within a coastal waterbody with a restricted Time of Year, [see Appendix B of the Division of Marine Fisheries (DMF) Technical Report TR 47 "Marine Fisheries Time of Year Restrictions (TOYs) for Coastal Alteration Projects" dated April 2011 <https://www.nae.usace.army.mil/Portals/74/docs/regulatory/StateGeneralPermits/MA/TR-47.pdf>].
- Obtain a DMF written determination stating:
 - The proposed work does NOT require a TOY restriction.
 - The proposed work requires a TOY restriction. Specific recommended TOY restriction and recommended conditions on the proposed work is attached.
- If the project may affect a diadromous fish run [re: Division of Marine Fisheries (DMF) Technical Reports TR 15 through 18, dated 2004: <https://www.mass.gov/service-details/marine-fisheries-technical-reports>]
- Obtain a DMF written determination stating:
 - The design specifications and operational plan for the project are compatible with the passage requirements of the fish run.
 - The design specifications and operational plan for the project are not compatible with the passage requirements of the fish run.



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Required Actions (310 CMR 10.11) (cont.)

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Sturbridge
City/Town

Send the request for a written or electronic determination to:

South Shore – Cohasset to Rhode Island border,
and the Cape & Islands:
Division of Marine Fisheries –
South Coast Field Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: DMF.EnvReview-South@state.ma.us

North Shore – Hull to New Hampshire border:

Division of Marine Fisheries –
North Shore Field Station
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

- Division of Fisheries and Wildlife** – <https://www.mass.gov/orgs/division-of-fisheries-and-wildlife>
 - Projects that involve silt-generating, in-water work that will impact a non-tidal perennial river or stream and the in-water work will not occur between May 1 and August 30.
 - Obtain a written determination from the Division of Fisheries and Wildlife (DFW) as to whether the proposed work requires a TOY restriction.
 - The proposed work does NOT require a TOY restriction.
 - The proposed work requires a TOY restriction. The DFW determination with TOY restriction and other conditions is attached.
- MassDEP Water Quality Certification**
 - Project involves dredging of 100 cubic yards or more in a Resource Area or dredging of any amount in an Outstanding Resource Water (ORW). A copy and proof of the MassDEP Water Quality Certification pursuant to 314 CMR 9.00 is attached to the NOI.
 - This project is a Combined Permit Application for 401 Dredging and Restoration (BRP WW 26).
- MassDEP Wetlands Restriction Order**

Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?

Yes No
- Department of Conservation and Recreation**

Office of Dam Safety

 - For Dam Removal Projects, obtain a written determination from the Department of Conservation and Recreation Office of Dam Safety that the dam is not subject to the jurisdiction of the Office under 302 CMR 10.00, a written determination that the dam removal does not require a permit under 302 CMR 10.00 or a permit authorizing the dam removal in accordance with 302 CMR 10.00 has been issued.



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Sturbridge

City/Town

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40 Required Actions (310 CMR 10.11) (cont.)

Areas of Critical Environmental Concern (ACECs)

Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations).

Name of ACEC

Minimum Required Documents (310 CMR 10.12)

Complete the Required Documents Checklist below and provide supporting materials before submitting a Notice of Intent Application for an Ecological Restoration Project.

This Notice of Intent meets all applicable requirements outlined in for Ecological Restoration Projects in 310 CMR 10.12. Use the checklist below to ensure that all documentation is included with the NOI.

At a minimum, a Notice of Intent for an Ecological Restoration Project shall include the following:

- Description of the project’s ecological restoration goals;
- The location of the Ecological Restoration Project;
- Description of the construction sequence for completing the project;
- A map of the Areas Subject to Protection Under M.G.L. c. 131, § 40, that will be temporarily or permanently altered by the project or include habitat for Rare Species, Habitat of Potential Regional and Statewide Importance, eel grass beds, or Shellfish Suitability Areas.
- The method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.) is attached with documentation methodology.
- List the titles and dates for all plans and other materials submitted with this NOI.

a. Plan Title

b. Prepared by

c. Signed and Stamped by

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

If there is more than one property owner, attach a list of these property owners not listed on this form.

Attach NOI Wetland Fee Transmittal Form.



WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Minimum Required Documents (310 CMR 10.12)

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Sturbridge

City/Town

- An evaluation of any flood impacts that may affect the built environment, including without limitation, buildings, wells, septic systems, roads or other man-made structures or infrastructure as well as any proposed flood impact mitigation measures;
- A plan for invasive species prevention and control;
- The Natural Heritage and Endangered Species Program written determination in accordance with 310 CMR 10.11(2), if needed;
- Any Time of Year restrictions and/or other conditions recommended by the Division of Marine Fisheries or the Division of Fisheries and Wildlife in accordance with 310 CMR 10.11(3), (4), (5), if needed;
- Proof that notice was published in the Environmental Monitor as required by 310 CMR 10.11(1);
- A certification by the applicant under the penalties of perjury that the project meets the eligibility criteria set forth in 310 CMR 10.13;
- If the Ecological Restoration Project involves the construction, repair, replacement or expansion of infrastructure, an operation and maintenance plan to ensure that the infrastructure will continue to function as designed;
- If the project involves dredging of 100 cubic yards or more or dredging of any amount in an Outstanding Resource Water, a Water Quality Certification issued by the Department pursuant to 314 CMR 9.00;
- If the Ecological Restoration Project involves work on a stream crossing, information sufficient to make the showing required by 310 CMR 10.24(10) for work in a coastal resource area and 310 CMR 10.53(8) for work in an inland resource area; and
- If the Ecological Restoration Project involves work on a stream crossing, baseline photo-points that capture longitudinal views of the crossing inlet, the crossing outlet and the upstream and downstream channel beds during low flow conditions. The latitude and longitude coordinates of the photo-points shall be included in the baseline data.
- This project is subject to provisions of the MassDEP Stormwater Management Standards. A copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) is attached.
- Provide information as to whether the project has the potential to impact private water supply wells including agricultural or aquacultural wells or surface water withdrawal points.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Appendix A: Ecological Restoration Limited Project Checklists

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Certification that the Ecological Restoration Project Meets the Eligibility Criteria

Provided by MassDEP:


MassDEP File Number

Document Transaction Number

Sturbridge

City/Town

I hereby certify under penalties of perjury that the Ecological Restoration Project Notice of Intent application does not meet the Eligibility criteria for an Ecological Restoration Order of Conditions set forth in 310 CMR 10.13, but does meet the Eligibility Criteria for a Ecological Restoration Limited Project set forth in 10.24(8) or 10.53(4) whichever is applicable. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.



Signature of Applicant or Authorized Agent

Charles A. Rey, Jr President BALA

Printed Name of Applicant or Authorized Agent

4/06/2013

Date

The certification must be signed by the applicant; however, it may be signed by a duly authorized agent (named in Item 2) if this form is accompanied by a statement by the applicant designating the agent and agreeing to furnish upon request, supplemental information in support of the application.

Big Alum Pond
Notice of Intent
Big Alum Pond, Sturbridge, MA
November 21, 2023

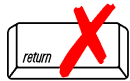
Appendix B

Copy of Wetlands Transmittal Fee Form



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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



A. Applicant Information

1. Location of Project:

Big Alum (Pond) Lake

a. Street Address

Sturbridge

b. City/Town

c. Check number

d. Fee amount

2. Applicant Mailing Address:

a. First Name

b. Last Name

Big Alum Lake Association

c. Organization

P.O. Box 355

d. Mailing Address

Sturbridge

e. City/Town

MA

f. State

01518

g. Zip Code

970-485-0361

h. Phone Number

i. Fax Number

chuckroy65@gmail.com

j. Email Address

3. Property Owner (if different):

a. First Name

b. Last Name

Commonwealth of Massachusetts (per the Sturbridge Assessor)

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

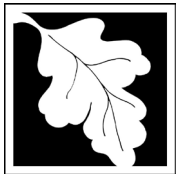
Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2JJ	3	500.00	1500.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Step 5/Total Project Fee: 1500.00

Step 6/Fee Payments:

Total Project Fee:	<u>1500.00</u>
	a. Total Fee from Step 5
State share of filing Fee:	<u>737.50</u>
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	<u>762.50</u>
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

STURBRIDGE WETLANDS PROTECTION BY-LAW AND REGULATIONS

WETLANDS FILING FEE CALCULATION WORKSHEET

Application Type	Qty	Town Filing Fee	TOTAL
Notice of Intent (NOI):			
Residential – Single Family:			
Accessory (Deck, Shed, Pool Septic)	_____	\$150	_____
Shoreline Work	<u>3</u>	\$150	<u>\$450</u>
New Construction	_____	\$300	_____
Residential – Other:			
Subdivision/Multi-Unit	_____	\$750	_____
Commercial/Industrial:			
New	_____	\$1500	_____
Redevelopment	_____	\$1000	_____
Limited Project (as defined in SWB & WPA)	_____	Equal to full WPA fee	_____
Alterations – located within Riverfront Area	_____	Additional 50% of Fee	_____
Application filed after Enforcement Order		Double the Municipal fee	_____
Request for Amended Order of Conditions	_____	50% of initial fee	_____
Request for Determination of Applicability (RDA):			
No Wetland Boundary Confirmation			
Residential:	_____	\$100	_____
No Wetland Boundary Confirmation			
All Other:	_____	\$200	_____
For Wetland Boundary Confirmation			
File ANRAD or NOI			
Abbreviated Notice of Resource Area Delineation (ANRAD):			
Residential – Single Family:			
	_____	\$100	_____
All Other:			
Base Review	_____	\$300	_____
Resource Area Boundary			

Certificate of Compliance (COC):			
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Residential:

Single Family	_____	\$50	_____
Subdivision or Multi-Unit	_____	\$150	_____

Commercial or Industrial:

	_____	\$150	_____
If Order of Conditions has Expired	_____	Add an additional \$150	_____

OOE Extension Request	_____	\$50	_____
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Emergency Certification	_____	\$50	_____
(NOI may be required to be filed following issuance of Emergency Cert)			

Local Bylaw Fee (includes Town Filing Fee)	\$ <u>450.00</u>
---	------------------

State Filing Fee (from DEP Wetland Transmittal Form)	\$ <u>762.50</u>
---	------------------

<u>Total Payable to "Town of STURBRIDGE"</u>	\$ <u>1212.50</u>
---	-------------------

*Additional Consultant Fee may be required for reasons which may include:

- Significant amount of wetland impact;
- Extensive resource areas on a site;
- Lack of information supplied;
- Incomplete plans, reports, forms submitted;
- Supplemental information submitted.

Big Alum Pond
Notice of Intent
Big Alum Pond, Sturbridge, MA
November 21, 2023

Appendix C

Documentation of Notice to Abutters

Parcel ID	Owner	Owner Address	Owner City	State	Zip	Property Address
640-01446-317	ROY KATHERINE & THEODOSS ANTHONY J	317 THE TRAIL	FISKDALE	MA	01518	317 THE TRAIL
505-09E35-096	ALLAN ROBERT W & NANCY J TRUSTEES	91 PARADISE LANE	FISKDALE	MA	01518	96 PARADISE LANE
505-09E35-091	ALLAN ROBERT W & NANCY J TRUSTEES	91 PARADISE LANE	FISKDALE	MA	01518	91 PARADISE LANE
380-00957-204	ALLEN RICHARD J	94 PONDVIEW DRIVE	SPRINGFIELD	MA	01118	204 LAKE ROAD
560-01427-234	ANGER RONALD M	30 JENNINGS ROAD	CHARLTON	MA	01507	234 ROY ROAD
332-00957-210	ARGITIS JOHN G	P.O. BOX 513	STURBRIDGE	MA	01566	210 HEMLOCK PATH
380-00937-146	ARGITIS JOHN J	709 MAIN STREET	FISKDALE	MA	01518	146 LAKE ROAD
380-00927-144	ARGITIS JOHN J	709 MAIN STREET	FISKDALE	MA	01518	144 LAKE ROAD
380-00937-143	ARGITIS JOHN J	709 MAIN STREET	FISKDALE	MA	01518	143 LAKE ROAD
450-00955-038	ASTURIAS JORGE O TRUSTEE	38 MT DAN ROAD	FISKDALE	MA	01518	38 MT DAN ROAD
216-01447-289	BACHAND LISA J	289 CLARKE ROAD EXTENSION	FISKDALE	MA	01518	289 CLARKE ROAD EXTENSION
216-01448-299	BATTISTA ANTHONY J & PATRICIA A TRUSTEES	299 CLARKE ROAD EXTENSION	FISKDALE	MA	01518	299 CLARKE ROAD EXTENSION
216-01448-299A	BATTISTA ANTHONY J & PATRICIA A TRUSTEES	299 CLARK ROAD EXTENSION	FISKDALE	MA	01518	299A CLARKE ROAD EXTENSION
155-01438-266	BELLEROSE DAVID	266 BIG ALUM ROAD	FISKDALE	MA	01518	266 BIG ALUM ROAD
155-01438-266A	BELLEROSE DAVID	266 BIG ALUM ROAD	FISKDALE	MA	01518	266A BIG ALUM ROAD
155-01438-264	BELLEROSE LORRAINE M TRUSTEE	266 BIG ALUM ROAD	FISKDALE	MA	01518	264 BIG ALUM ROAD
380-00927-130	BEMIS LINDA A	17 BOBOLINK LANE	ENFIELD	CT	06082	130 LAKE ROAD
505-09E35-089	BODISH SUE ANN	89 PARADISE LANE	FISKDALE	MA	01518	89 PARADISE LANE
450-01425-006	BOULANGER ARMAND A	6 MT DAN ROAD	FISKDALE	MA	01518	6 MT DAN ROAD
450-00945-066	BUCHANAN JEFFREY D TR	66 MT DAN ROAD	FISKDALE	MA	01518	66 MT DAN ROAD
380-00937-152	CALLAHAN CHARLES J	P.O. BOX 110	FISKDALE	MA	01518	152 LAKE ROAD
216-01447-294	CARON BRIAN	294 CLARKE ROAD EXTENSION	FISKDALE	MA	01518	294 CLARKE ROAD EXTENSION
216-01447-296	CARON BRIAN R	296 CLARKE ROAD EXTENSION	FISKDALE	MA	01518	296 CLARKE ROAD EXTENSION
640-01436-327	CARSON DAVID S	327 THE TRAIL	FISKDALE	MA	01518	327 THE TRAIL
450-01425-010	CHAR JAN INC	582 MAIN STREET	WILBRAHAM	MA	01095	10 MT DAN ROAD
450-01425-002	CHENEY RICHARD S	16 DODD ROAD	MANSFIELD CENTER	CT	06250	2 MT DAN ROAD
450-01425-004	CHENEY ROBERT B & WILLIAM	7 MOODY CIRCLE	SANDWICH	MA	02563	4 MT DAN ROAD
560-01427-230	CHOQUET CHRISTOPHER	230 ROY ROAD	FISKDALE	MA	01518	230 ROY ROAD
380-00927-126	DUBIN NANETTE & MASUCK TONY	868 BIXBY ROAD	E WALLINGFORD	VT	05742	126 LAKE ROAD
380-00937-148	CLARK THOMAS M	148 LAKE ROAD	FISKDALE	MA	01518	148 LAKE ROAD
380-00927-142	CLARK THOMAS M	148 LAKE ROAD	FISKDALE	MA	01518	142 LAKE ROAD
380-00947-180A	CLOUTIER JOHN N	180 LAKE ROAD	FISKDALE	MA	01518	180A LAKE ROAD
380-00947-180	CLOUTIER JOHN N	180 LAKE ROAD	FISKDALE	MA	01518	180 LAKE ROAD
640-01436-326	COLOGNESI ERNEST J	326 THE TRAIL	FISKDALE	MA	01518	326 THE TRAIL
380-00957-196	COLWELL BROCK C	P O BOX 667	STURBRIDGE	MA	01566	196 LAKE ROAD
380-00958-194	COLWELL BROCK C	P O BOX 667	STURBRIDGE	MA	01566	194 LAKE ROAD
216-01447-303	COMMONWEALTH OF MASS	100 CAMBRIDGE STREET	BOSTON	MA	02114	303 CLARKE ROAD EXTENSION
505-00946-334	COMMONWEALTH OF MASSACHUSETTS	1 RABBIT HILL ROAD	WESTBORO	MA	01581	334 PARADISE LANE
216-01447-298	CONNOR JANE F	46 ARDSLEY CIRCLE	BROCKTON	MA	02402	298 CLARKE ROAD EXTENSION
332-00957-208	COOKE SUSAN M	31 DONNA LANE	WINDSOR	CT	06095	208 HEMLOCK PATH
505-09E42-067	CRAWFORD NANCY B & CAROL A	1119 BROOKER HOLLOW ROAD	RICHMONDVILLE	NY	12149	67 PARADISE LANE
505-09E45-092	DALBERTH LISA C	92 PARADISE LANE	FISKDALE	MA	01518	92 PARADISE LANE
450-01415-022	DALEY JAMES & KATHLEEN &	1381 WESTFIELD STREET	WEST SPRINGFIELD	MA	01089	22 MT DAN ROAD

450-01425-018	DALEY JAMES KATHLEEN&THOMAS	1381 WESTFIELD STREET	WEST SPRINGFIELD	MA	01089	18 MT DAN ROAD
450-01425-020	DALEY JAMES P & KATHLEEN J	1381 WESTFIELD STREET	WEST SPRINGFIELD	MA	01089	20 MT DAN ROAD
505-09E36-098	DETARANDO MICHAEL A	98 PARADISE LANE	FSKDALE	MA	01518	98 PARADISE LANE
505-09E36-100	DETARANDO MICHAEL A TRUSTEE OF THE	98 PARADISE LANE	FSKDALE	MA	01518	100 PARADISE LANE
380-00937-160	DOMASH PHYLLIS J	160 LAKE ROAD	FSKDALE	MA	01518	160 LAKE ROAD
640-01436-320	DORES JAMES E	320 THE TRAIL	FSKDALE	MA	01518	320 THE TRAIL
380-00947-184	DUNN THOMAS R	17 GARDEN CITY ROAD	DARIEN	CT	06820	184 LAKE ROAD
380-00947-174	EISOLD BRIAN SCOTT & NELSON TAYLOR L TRUSTEES	174 LAKE ROAD	FSKDALE	MA	01518	174 LAKE ROAD
505-09E44-082	ELLIS GLENN G	147 CRYSTAL LAKE ROAD	ELLINGTON	CT	06029	82 PARADISE LANE
155-01428-251	EMERSON NANCY SUSAN	37 WEST ST BOX 286	HADLEY	MA	01035	251 BIG ALUM ROAD
155-01428-248	EMERSON WAYNE L & SUSAN P (LT)	37 WEST ST BOX 286	HADLEY	MA	01035	248 BIG ALUM ROAD
640-01436-328	FALCONE DONNA L	40 ISLAND POND ROAD	SPRINGFIELD	MA	01118	328 THE TRAIL
380-00947-166	FARLAND RICHARD M JR	166 LAKE ROAD	FSKDALE	MA	01518	166 LAKE ROAD
560-01417-228	FARLAND SCOTT C	228 ROY ROAD	FSKDALE	MA	01518	228 ROY ROAD
450-00945-060	FAXON THOMAS H	P O BOX 28	FSKDALE	MA	01518	60 MT DAN ROAD
173-00943-238	FAXON THOMAS H	P O BOX 28	FSKDALE	MA	01518	238 BROOKFIELD ROAD
450-00945-058	FAXON THOMAS K	58 MT DAN ROAD	FSKDALE	MA	01518	58 MT DAN ROAD
173-01413-230	FIORUCCI KEITH E	25 TANNERY ROAD	FSKDALE	MA	01518	230 BROOKFIELD ROAD
450-01415-030	FIORUCCI KEITH E	25 TANNERY ROAD	FSKDALE	MA	01518	30 MT DAN ROAD
450-01415-029	FIORUCCI KEITH E	25 TANNERY ROAD	FSKDALE	MA	01518	29 MT DAN ROAD
450-01415-031	FIORUCCI KEITH E	25 TANNERY ROAD	FSKDALE	MA	01518	31 MT DAN ROAD
332-01417-216	FLAVIA DEBORAH T REVOCABLE TRUST	4130 LA GRANDE PRINCESSE #D2	CHRISTIANSTED	VI	00820	216 HEMLOCK PATH
332-01417-216A	FLAVIA DEBORAH T REVOCABLE TRUST	4130 LA GRANDE PRINCESSE #D2	CHRISTIANSTED	VI	00820	216A HEMLOCK PATH
380-00957-200	FLYNN MICHAEL	50 WINDEMERE CIRCLE	BRAINTREE	MA	02184	200 LAKE ROAD
505-09E36-093	FOLEY JOHN J IV	93 PARADISE LANE	FSKDALE	MA	01518	93 PARADISE LANE
505-09E36-108	GAGNON KEITH W	126 PARADISE LANE	FSKDALE	MA	01518	108 PARADISE LANE
505-09E36-106	GAGNON KEITH W	126 PARADISE LANE	FSKDALE	MA	01518	106 PARADISE LANE
450-00955-050	GAJEWSKI KENNETH A	P.O. BOX 508	FSKDALE	MA	01518	50 MT DAN ROAD
380-00937-164	GALONEK GARY	164 LAKE ROAD	FSKDALE	MA	01518	164 LAKE ROAD
560-01418-236	GARON JANET E	236 ROY ROAD	FSKDALE	MA	01518	236 ROY ROAD
640-01436-330	GAWRON CLAY R	131 NORTHWEST ROAD	WESTFIELD	MA	01085	330 THE TRAIL
332-01417-214	GILBERT LAURA L	214 HEMLOCK PATH	FSKDALE	MA	01518	214 HEMLOCK PATH
155-01418-242	GILBERT SAMUEL H	242 BIG ALUM ROAD	FSKDALE	MA	01518	242 BIG ALUM ROAD
640-01435-332	GIONFRIDDO MICHAEL V & BARBARA A TRUSTEES	332 THE TRAIL	STURBRIDGE	MA	01566	332 THE TRAIL
216-01447-297	GRUDZIEN PETER J	8 SUNSET DRIVE	N BROOKFIELD	MA	01535	297 CLARKE ROAD EXTENSION
505-09E36-104	HANESIAN DARROW F & CAPPOLA LEE	111 PARADISE LANE	FSKDALE	MA	01518	104 PARADISE LANE
505-09E45-088	HANSON THOMAS	187 NORTH MAIN STREET	MILLBURY	MA	01527	88 PARADISE LANE
640-01446-311	HARRINGTON KATHLEEN H TRUSTEE	14 HARRINGTON COURT	FSKDALE	MA	01518	311 THE TRAIL
640-01436-316	HARRINGTON KATHLEEN H TRUSTEE	14 HARRINGTON COURT	FSKDALE	MA	01518	316 THE TRAIL
505-09E43-080	HARRINGTON PATRICIA C	634 RIVER ROAD	STOCKBRIDGE	VT	05772	80 PARADISE LANE
505-09E33-079	HARRINGTON PATRICIA C	634 RIVER ROAD	STOCKBRIDGE	VT	05772	79 PARADISE LANE
640-01436-322	HARRINGTON TIMOTHY	322 THE TRAIL	FSKDALE	MA	01518	322 THE TRAIL
380-00937-158	HILL VICTOR E IV	1081 MARIPOSA STREET	DENVER	CO	80204	158 LAKE ROAD
505-09E36-102	HITCHCOCK BARBARA	102 PARADISE LANE	FSKDALE	MA	01518	102 PARADISE LANE
155-01438-272	HOWARD JUSTIN	272 BIG ALUM ROAD	FSKDALE	MA	01518	272 BIG ALUM ROAD

450-01415-033	HOWLETT JANE F	865 HOPE STREET	BRISTOL	RI	02809	33 MT DAN ROAD
450-01415-035	HOWLETT JEFFREY R	32 MT DAN ROAD	STURBRIDGE	MA	01566	35 MT DAN ROAD
450-01415-032	HOWLETT JEFFREY R	32 MT DAN ROAD	FISKDALE	MA	01518	32 MT DAN ROAD
155-01438-286	HUNT GEOFFREY	286 BIG ALUM ROAD	FISKDALE	MA	01518	286 BIG ALUM ROAD
380-00947-168	HUTCHINSON TIMOTHY	PO BOX 781	FISKDALE	MA	01518	168 LAKE ROAD
216-01447-292	ITALIAN-AMERICAN SPORTING CLUB	16 HIGHVIEW STREET	SOUTHBRIDGE	MA	01550	292 CLARKE ROAD EXTENSION
216-01447-293	ITALIAN-AMERICAN SPORTING CLUB	16 HIGHVIEW STREET	SOUTHBRIDGE	MA	01550	293 CLARKE ROAD EXTENSION
505-09E43-076	JOHNSON D ALDEN	PO BOX 225	STURBRIDGE	MA	01566	76 PARADISE LANE
155-01428-262	JOHNSON DANIEL J	14 KENT ROAD	HILLSDALE	NJ	07642	262 BIG ALUM ROAD
155-01428-263	JOHNSON DANIEL J	14 KENT ROAD	HILLSDALE	NJ	07642	263 BIG ALUM ROAD
505-09E43-073	JOHNSON PAUL H & SUZANNE T	27 TROWBRIDGE LANE	SHREWSBURY	MA	01545	73 PARADISE LANE
640-01446-314	JONES NATHAN C	1136 S CLEVELAND STREET	OCEANSIDE	CA	92054	314 THE TRAIL
216-01447-301	JORDAN DANIEL J	301 CLARKE ROAD EXTENSION	FISKDALE	MA	01518	301 CLARKE ROAD EXTENSION
640-01436-324	KIBBE MATHEW S	324 THE TRAIL	FISKDALE	MA	01518	324 THE TRAIL
380-00937-154	KLEIN ANDREW S	1050 TANAGER ROAD	AKRON	OH	44333	154 LAKE ROAD
450-00955-040	KOLBE BRUCE A	P.O. BOX 583	FISKDALE	MA	01518	40 MT DAN ROAD
593-09E53-016	LAMBERT JOSEPH M TRUSTEE OF THE	80 STONELEIGH ROAD	HOLDEN	MA	01520	16 SOUTH PARADISE LANE
380-00927-134	LAPIERRE CHERYL C	134 LAKE ROAD	FISKDALE	MA	01518	134 LAKE ROAD
640-01447-308	LAROCHELLE ROGER L	308 THE TRAIL	FISKDALE	MA	01518	308 THE TRAIL
450-00945-052	LEBOW MARGARET A TRUSTEE	52 FISKE HILL ROAD	STURBRIDGE	MA	01566	52 MT DAN ROAD
505-09E27-114	LEMANSKI MICHAEL J	114 PARADISE LANE	FISKDALE	MA	01518	114 PARADISE LANE
450-01425-008	LIRO THOMAS J	39 EVERETT AVENUE	WEBSTER	MA	01570	8 MT DAN ROAD
380-00927-136	LITCHFIELD BEVERLY J	136 LAKE ROAD	FISKDALE	MA	01518	136 LAKE ROAD
505-00927-120	LOCONTO RALPH A	31 BRENTWOOD DRIVE	SOUTHBRIDGE	MA	01550	120 PARADISE LANE
560-01418-238	LOMASCOLO DONALD W & MARY TRUSTEES	660 PROSPECT STREET	EAST LONGMEADOW	MA	01028	238 ROY ROAD
560-01418-238A	LOMASCOLO DONALD W & MARY TRUSTEES	660 PROSPECT STREET	EAST LONGMEADOW	MA	01028	238A ROY ROAD
380-00958-190	LOMBARDI DOMENICO P	100 AVERY HEIGHTS DRIVE	HOLDEN	MA	01520	190 LAKE ROAD
380-00948-185	LOMBARDI DOMENICO P	100 AVERY HEIGHTS DRIVE	HOLDEN	MA	01520	185 LAKE ROAD
332-00957-206	MANGARI NANCY M	23 FLORENTINE GARDENS	SPRINGFIELD	MA	01108	206 HEMLOCK PATH
380-00957-198	MARCUS SUSAN J	36 BENSON AVENUE	WESTERLY	RI	02891	198 LAKE ROAD
216-01448-285	MASTROIANNI JOHN JR	1075 GLENDALE ROAD	WILBRAHAM	MA	01095	285 CLARKE ROAD EXTENSION
380-00937-150	METOXEN JANIS T	330 MAPLE ROAD	LONGMEADOW	MA	01106	150 LAKE ROAD
505-09E42-068	BUCHANAN JEFFREY D TRUSTEE	66 MT DAN ROAD	FISKDALE	MA	01518	68 PARADISE LANE
332-01418-220A	MILLS PAUL A	P.O. BOX 724	FISKDALE	MA	01518	220A HEMLOCK PATH
332-01418-220	MILLS PAUL A	P.O. BOX 724	FISKDALE	MA	01518	220 HEMLOCK PATH
640-01447-306	MINNUCCI THERESA L	306 THE TRAIL	FISKDALE	MA	01518	306 THE TRAIL
505-09E42-077	MIZIKAR KEVIN J	77 PARADISE LANE	FISKDALE	MA	01518	77 PARADISE LANE
593-09E44-002	MOLTA COLLEEN	2 SOUTH PARADISE LANE	FISKDALE	MA	01518	2 SOUTH PARADISE LANE
505-09E34-083	MOLTA DANIEL J	2 PARADISE LANE	FISKDALE	MA	01518	83 PARADISE LANE
505-09E44-84A	MOONEY JOSEPH S	84A PARADISE LANE	FISKDALE	MA	01518	84A PARADISE LANE
332-00957-206A	MORGAN COOKE SUSAN	23 FLORENTINE GARDENS	SPRINGFIELD	MA	01108	206A HEMLOCK PATH
380-00927-132	MORIN JOSEPH A	132 LAKE ROAD	FISKDALE	MA	01518	132 LAKE ROAD
155-01438-268	MORRILL FAMILY TRUST	208 LEBANON HILL	SOUTHBRIDGE	MA	01550	268 BIG ALUM ROAD
380-00937-162	MURPHY DENNIS R	162 LAKE ROAD	FISKDALE	MA	01518	162 LAKE ROAD
505-09E36-110	MURPHY TRACY L	555 WINDSOR SQUARE	NAPLES	FL	34104	110 PARADISE LANE

505-09E42-72A	MUSCARO ROBERT M	7 MONROE ROAD	WELLESLEY	MA	02481	72A PARADISE LANE
505-09E42-072	MUSCARO ROBERT M & LISA A	7 MONROE ROAD	WELLESLEY	MA	02481	72 PARADISE LANE
332-01417-212	NORRIS ROBERT R	215 GOOSE LANE	TOLLAND	CT	06084	212 HEMLOCK PATH
450-01415-026	NUNHEIMER MARK J	45 JOHN MYRICK CIRCLE	BREWSTER	MA	02631	26 MT DAN ROAD
505-09E42-071	OUTLAND KEVIN C	63 BREAKNECK ROAD	STURBRIDGE	MA	01566	71 PARADISE LANE
216-01447-288	PENG DAVID	100 AVERY HEIGHTS DRIVE	HOLDEN	MA	01520	288 CLARKE ROAD EXTENSION
505-09E45-094	PEPPEL ALAN S TRUSTEE	94 PARADISE LANE	FISKDALE	MA	01518	94 PARADISE LANE
155-01418-243	PETERSON RONALD V	243 BIG ALUM ROAD	FISKDALE	MA	01518	243 BIG ALUM ROAD
640-01436-331	PHILLIPS CHRISTOPHER	331 THE TRAIL	FISKDALE	MA	01518	331 THE TRAIL
380-00947-172	POIRIER ELIZABETH A	172 LAKE ROAD	FISKDALE	MA	01518	172 LAKE ROAD
380-00927-140	RADNER JOHN G.	18 FOREST RIDGE LANE	AGAWAM	MA	01001	140 LAKE ROAD
505-09E24-069	REARDON TIMOTHY	70 PARADISE LANE	FISKDALE	MA	01518	69 PARADISE LANE
505-09E42-70A	REARDON TIMOTHY F	70 PARADISE LANE	FISKDALE	MA	01518	70A PARADISE LANE
505-09E42-070	REARDON TIMOTHY F	70 PARADISE LANE	FISKDALE	MA	01518	70 PARADISE LANE
640-01435-336	RENO ANTHONY P	336 THE TRAIL	FISKDALE	MA	01518	336 THE TRAIL
640-01446-310	RICCI JASON A	310 THE TRAIL	FISKDALE	MA	01518	310 THE TRAIL
155-01438-280	RICE FRANCES S	7675 GLADSTONE ROAD	BALTIMORE	MD	21244	280 BIG ALUM ROAD
450-00955-046	RICHEY ROBERT W	812 SHAKER ROAD	LONGMEADOW	MA	01106	46 MT DAN ROAD
155-01438-274	ROSCIOLI VIRGINIA RICE	PO BOX 212	FISKDALE	MA	01518	274 BIG ALUM ROAD
155-01438-273	ROSCIOLI VIRGINIA RICE	PO BOX 212	FISKDALE	MA	01518	273 BIG ALUM ROAD
216-01447-288A	ROSS JUDITH A TRUSTEE	12 B COLONIAL PARK	BRIMFIELD	MA	01010	288A CLARKE ROAD EXTENSION
560-01427-232	ROY BRIAN P IRREVOCABLE TR	232 ROY ROAD	FISKDALE	MA	01518	232 ROY ROAD
380-00958-188	ROY JILL TEMPLE	PO BOX 267	FISKDALE	MA	01518	188 LAKE ROAD
380-00958-189	ROY JILL TEMPLE	PO BOX 267	FISKDALE	MA	01518	189 LAKE ROAD
380-00958-187	ROY JILL TEMPLE	PO BOX 267	FISKDALE	MA	01518	187 LAKE ROAD
560-01417-222	ROY JOHN S	34 STONEYBROOK ROAD	CHARLTON	MA	01507	222 ROY ROAD
505-09E33-075	ROY PAUL	75 PARADISE LANE	FISKDALE	MA	01518	75 PARADISE LANE
492-00928-001	SALISBURY ROBERT M	1 OLD TOWNE WAY	STURBRIDGE	MA	01566	1 OLD TOWNE WAY
505-09E44-086	SANDERSON BEVERLY A TRUSTEE OF	33 HIGH PINE CIRCLE	WILBRAHAM	MA	01095	86 PARADISE LANE
505-09E34-085	SANDERSON BEVERLY A TRUSTEE OF	33 HIGH PINE CIRCLE	WILBRAHAM	MA	01095	85 PARADISE LANE
505-09E43-074	SANDERSON SCOTT M	74 PARADISE LANE	FISKDALE	MA	01518	74 PARADISE LANE
593-09E44-001	HARRINGTON RYAN PAUL & LUKAS RACHEL	1 SOUTH PARADISE LANE	FISKDALE	MA	01518	1 SOUTH PARADISE LANE
380-00937-156	SCOTT MICHAEL	156 LAKE ROAD	FISKDALE	MA	01518	156 LAKE ROAD
380-00947-170	SHEA FREDERICK B	170 LAKE ROAD	FISKDALE	MA	01518	170 LAKE ROAD
332-01417-218	SIMPSON KEVIN N	218 HEMLOCK PATH	FISKDALE	MA	01518	218 HEMLOCK PATH
640-01446-312	SKOWYRA JAMIE L	312 THE TRAIL	FISKDALE	MA	01518	312 THE TRAIL
380-00948-186	SMITH BARBARA VEALE	186 LAKE ROAD	FISKDALE	MA	01518	186 LAKE ROAD
155-01428-246	SPEED ANDREA	246 BIG ALUM ROAD	FISKDALE	MA	01518	246 BIG ALUM ROAD
505-09E27-118	ST LAURENT KYLE A	118 PARADISE LANE	FISKDALE	MA	01518	118 PARADISE LANE
450-00945-062	ST ONGE DANIEL G JR	46 HIGHWOOD DRIVE	AVON	CT	06001	62 MT DAN ROAD
450-00945-064	ST ONGE ELAINE R (LT)	39 RANDY LANE	WETHERSFIELD	CT	06109	64 MT DAN ROAD
450-01415-036	STAGIAS SUZANNE M	36 MT DAN ROAD	FISKDALE	MA	01518	36 MT DAN ROAD
380-00957-202	STEARNS WENDY M	202 LAKE ROAD	FISKDALE	MA	01518	202 LAKE ROAD
380-00947-178	STEVENS DAVID F	178 LAKE ROAD	FISKDALE	MA	01518	178 LAKE ROAD
216-01447-290	TARDANICO STEVEN M	290 CLARK ROAD EXTENSION	STURBRIDGE	MA	01566	290 CLARKE ROAD EXTENSION

450-00955-044	TEITEL DAVID A	6 LEDGESTONE DRIVE	HOPKINTON	MA	01748	44 MT DAN ROAD
380-00948-182	THE HOOKER FAMILY TRUST	182 LAKE ROAD	FISKDALE	MA	01518	182 LAKE ROAD
640-01436-318	THE TRAIL AT BIG ALUM ASSO INC	P.O. BOX 584	STURBRIDGE	MA	01566	318 THE TRAIL
155-01428-244	TIETGEN KENNETH TRUSTEE	11876 VIA SALERNO WAY	MIROMAR LAKES	FL	33913	244 BIG ALUM ROAD
560-01417-226	TSANTINIS-ROY RONA TRUSTEE	226 ROY ROAD	FISKDALE	MA	01518	226 ROY ROAD
380-00958-192	VAILL VERNA FRANCES	192 LAKE ROAD	FISKDALE	MA	01518	192 LAKE ROAD
380-00947-176	VECCHIARELLI JOSEPH F	157 SPRINGFIELD STREET	SPRINGFIELD	MA	01107	176 LAKE ROAD
560-01418-240	VENEZIANO JOSEPH A	PO BOX 218	STURBRIDGE	MA	01566	240 ROY ROAD
380-00927-124	VERNON-GART JULIE A	62 NORTHGATE	AVON	CT	06001	124 LAKE ROAD
216-01447-302	VOGLIAZZO JOSEPHINE M	96 CANTERBURY LANE	LONGMEADOW	MA	01106	302 CLARKE ROAD EXTENSION
216-01447-300	VOGLIAZZO PETER D	96 CANTERBURY LANE	LONGMEADOW	MA	01106	300 CLARKE ROAD EXTENSION
450-01415-024	WALLINGFORD MACKENZIE SCOTT	PO BOX 264	EAST LONGMEADOW	MA	01028	24 MT DAN ROAD
450-01425-016	16 MT DAN ROAD LLC	8 EAST RIDGE DRIVE	PETERBOROUGH	NH	03458	16 MT DAN ROAD
505-09E45-090	WELCH ELLEN H & JOHN W TRUSTEES	8 EVERGREEN CIRCLE	WILBRAHAM	MA	01095	90 PARADISE LANE
505-09E35-087	WELCH ELLEN H & JOHN W TRUSTEES	8 EVERGREEN CIRCLE	WILBRAHAM	MA	01095	87 PARADISE LANE
155-01428-258	WHEATON WAYLAND B & ELAINE TR	7 GRASSHOPPER LANE	STURBRIDGE	MA	01566	258 BIG ALUM ROAD
505-09E44-084	WHITE ROGER L	125 SILVER STREET	WILBRAHAM	MA	01095	84 PARADISE LANE
380-00927-138	WILLARD ERIC	138 LAKE ROAD	FISKDALE	MA	01518	138 LAKE ROAD
155-01428-250	WRIGHT TIMOTHY C	PO BOX 1084	WILBRAHAM	MA	01095	250 BIG ALUM ROAD
155-01428-252	WRIGHT TIMOTHY C	PO BOX 1084	WILBRAHAM	MA	01095	252 BIG ALUM ROAD
155-01428-253	WRIGHT TIMOTHY C	PO BOX 1084	WILBRAHAM	MA	01095	253 BIG ALUM ROAD
380-00927-128	YOUNG KAREN	168 BEEBE ROAD	MONSON	MA	01057	128 LAKE ROAD
	BOARD OF ASSESSORS					
Above persons listed are record owners as they appear on the most recent applicable tax list.						
Assessors are not responsible for errors or omissions. RE: M.G.L. - Chapter 40A, Section 11						
Abutters List - Conservation Commission - 200'						
RE: BIG ALUM LAKE						
Certified Copy						
Assessor: <i>Alan P. Murphy</i>						
Date: <i>9-8-2023</i>						



Town of Sturbridge

Conservation Commission

Notification to Abutters

under the MA Wetlands Protection Act and the Town of Sturbridge Wetland Bylaw Regulations

In accordance with the second paragraph of Massachusetts General Laws, Chapter 131, § 40, as well as the Town of Sturbridge Wetland Bylaw, you are hereby notified of the following permit application for work within a wetland resource area and/or within the 200-foot buffer zone to a resource area:

- A. The name of the applicant is: Big Alum Lake Association
- B. The address of the lot(s) where the activity is proposed is: Big Alum Pond
- C. The nature of the activity proposed includes: Annual herbicide and drawdown treatments for nuisance aquatic vegetation.
- D. The applicant has filed the following in accordance with the Wetlands Protection Act (MGL c. 131, § 40), and/or the Town of Sturbridge Wetland Bylaws.
- Notice of Intent seeking permission to conduct work within a wetland, water body or resource area
 - Request for Determination seeking permission to conduct work within a buffer zone to a wetland, waterbody or resource area
 - Abbreviated Notice of Resource Area Delineation seeking to confirm the wetland resource area boundaries.
 - Request to amend an existing Order of Conditions for DEP File #300-_____

**The Public Hearing for this application will be held in person and remotely via GoTo Meeting
at the Center Office Building, 301 Main Street, 2nd Floor**

Date and Time of Hearing: _____

Public Hearing can be accessed remotely:

- **From your computer using:** _____ **or**
- **From your phone: +1 872 240 3212, followed by the access code** _____

Please note that while an option for remote attendance and/or participation is being provided to the public, the meeting/hearing will not be suspended or terminated if technological problems interrupt the virtual broadcast, unless otherwise required by law. Members of the public with particular interest in any specific item on this agenda should make plans for in-person vs. virtual attendance accordingly. Please note that meetings can also be watched either online via the Town's on demand video broadcast or on cable television on channel 191, however, there is no public participation through these options.

PLEASE NOTE: Copies of the application and related materials including agendas and staff notes can be found here:

- <https://www.sturbridge.gov/conservation-commission/pages/meeting-calendar-and-documents>

You may contact the Sturbridge Conservation Commission Office (508) 347-2506 or the Department of Environmental Protection Central Regional Office at 508-792-7650 with questions in regards to the application process or the Wetlands Protection Act.



Town of Sturbridge

Conservation Commission

STURBRIDGE CONSERVATION COMMISSION AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act and the Town of Sturbridge Wetland Bylaws I, _____, hereby certify under the pains and penalties of perjury that on (date) _____, I gave notification to abutters in compliance with the second paragraph of the Massachusetts General Laws Chapter 131, § 40, and the DEP Guide to Abutter Notification as well as the Town of Sturbridge Wetland Bylaws, in connection with the following matter:

- A Notice of Intent OR
- A Request for Determination OR
- An Abbreviated Notice of Resource Area Delineation

that was filed under the Massachusetts Wetlands Protection Act and the Town of Sturbridge Bylaws, by Big Alum Lake Association with the Sturbridge Conservation Commission on (date) _____ for the property located at Big Alum Pond.

The form of the Notification and a list of abutters to whom it was given and their addresses are included in the application file.

Charles A. Ray Sr
(signature of applicant) (date)

Charles A. Ray Sr President BALA
(name of applicant-printed or typed)

Big Alum Pond
Notice of Intent
Big Alum Pond, Sturbridge, MA
November 21, 2023

Appendix D

Photos

**Big Alum Pond
Sturbridge, MA
Photos**



Photo 1: The 2' X 2' opening where water flows out.



Photo 2: The threaded rod assembly used to raise and lower the plate inside the dam to let water out.

**Big Alum Pond
Sturbridge, MA
Photos**



Photo 3: The threaded rod assembly used to raise and lower the plate inside the dam to let water out.



Photo 4: View of the dam, looking from the southeast.

**Big Alum Pond
Sturbridge, MA
Photos**



Photo 5: Emergent/submergent rocks and overhanging limbs at Big Alum Pond.

Big Alum Pond
Notice of Intent
Big Alum Pond, Sturbridge, MA
November 21, 2023

Appendix E

Detailed Wildlife Habitat Evaluation Form



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 1. Summary Sheet

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



Big Alum Pond Aquatic Plant Control

Project Name

Big Alum (Pond) Lake

Location

1,742,000

Size of Area Being Impacted

Spring to Summer
(April to July)

Impact Areas (linear feet, square feet, or acres for each of the impact areas within the site)

Name	Waterbody/ Waterway	Wetland	Upland*	Total Area
1. Big Alum Pond	1,742,000 sq ft			1,742,000 sq ft
2.				
3.				
4.				
5.				
6.				
7.				

*Riverfront Area/BLSF

Attach Sketch map and/or photos of the Impact Areas

Narrative Description of Site (attach separate page if necessary)

Please see NOI Narrative Section 1

Certification

I hereby certify that this project has been designed to avoid, minimize, and mitigate adverse effects on wildlife habitat, and that it will not, following two growing seasons of project completion and thereafter, substantially reduce its capacity to provide important wildlife habitat functions.

Signature of Wildlife Specialist (per 310 CMR 10.60 (1) (b))

Alejandro Reyes
Typed or Printed Name



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (for each wetland or non-wetland resource area)

I. General Information

Big Alum Pond (Sturbridge, 01566) 72.07'05"W 42.08'05"N

Project Location (from NOI page 1)

8,494,000

Impact Area (number/name)

March 7th, 2023; August 23rd, 2022; April 29th, 2022; May 24th, 2018

Date(s) of Site Visit(s) and Data Collection

Clear;

Weather Conditions During Site Visit (if snow cover, include depth)

Alejandro Reyes

3/7/23

Person completing form per 310 CMR 10.60(1)(b)

Date this form was completed

The information on this data sheet is based on my observations unless otherwise indicated

Signature

II. Site Description (complete A or B under Classification - see instructions for full description)

A. Classification

1. For Wetland Resource Areas, complete the following:

System: LUW Subsystem: _____

Class: _____ Subclass: _____

Hydrology/Water Regime

- | | |
|---|---|
| <input checked="" type="checkbox"/> Permanently flooded | <input type="checkbox"/> Saturated |
| <input type="checkbox"/> Intermittently exposed | <input type="checkbox"/> Temporarily flooded |
| <input type="checkbox"/> Semi-permanently flooded | <input type="checkbox"/> Intermittently flooded |
| <input type="checkbox"/> Seasonally flooded | <input type="checkbox"/> Artificially flooded |

2. For Riverfront or Bordering Land Subject to Flooding Resource Areas, complete the following.

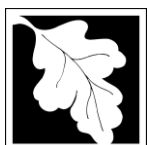
Use a terrestrial classification system such as one of the two listed below:

- "Classification of the Natural Communities of Massachusetts (Draft)" by Patricia C. Swain and Jennifer B. Kearsley, MA DFW NHESP, Westborough, MA. July 2000. ([Department of Fish & Game Website](#))
- "New England Wildlife: Habitat, Natural History, and Distribution" by Richard M. DeGraaf and Deborah D. Rudis, USDA Forest Service, Northeastern Forest Experiment Station. General Technical Report NE-108. August 1992. 491 pages.

Community Name

Vegetation Description

Physical Description



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

B. Inventory (Plant community)

% Cover:
Trees (> 20') Shrubs (< 20') Woody vines Mosses ³⁰Herbaceous

Plant Lists (species that comprise 10% or more of the vegetative cover in each strata; "*" designates a dominant plant species for the strata):

Strata	Plant Species	Strata	Plant Species
Submersed	Potamogeton perfoliatus		
Submersed	Curly Leaf Pondweed		
Submersed	Nitella		

C. Inventory (Soils)

Soil Survey Unit	Drainage Class
Texture (upper part)	Depth
Depth to Water Table	

III. Important Habitat Features (complete for all resource areas)

If the following habitat characteristics are present, describe & quantify them on a separate sheet & attach.

Wildlife Food

Important Wetland/Aquatic Food Plants (smartweeds, pondweeds, wild rice, bulrush, wild celery)

Abundant Present Absent

Important Upland/Wetland Food Plants (hard mast and fruit/berry producers)

Abundant Present Absent

Shrub thickets or streambeds with abundant earthworms (American woodcock)

Present Absent

Shrub and/or herbaceous vegetation suitable for veery nesting

Present Absent



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

Number of trees (live or dead) > 30" DBH: _____

Number (or density) of Standing Dead Trees (potential for cavities and perches):

_____ 6-12" dbh _____ 12-18" dbh _____ 18-24" dbh _____ > 24" dbh

Number of Tree Cavities in trunks or limbs of:

_____ 6-12" diameter (e.g., tree swallow, saw whet owl, screech owl, bluebird, other songbirds)

_____ 12-18" diameter (e.g., hooded merganser, wood duck, common goldeneye, mink)

_____ >18" diameter (e.g., hooded merganser, wood duck, common goldeneye, common merganser, barred owl, mink, raccoon, fisher)

Small mammal burrows

Abundant Present Absent

Cover/Perches/Basking/Denning/Nesting Habitat

Dense herbaceous cover (voles, small mammals, amphibians & reptiles)

Large woody debris on the ground (small mammals, mink, amphibians & reptiles)

Rocks, crevices, logs, tree roots or hummocks under water's surface (turtles, snakes, frogs)

Rocks, crevices, fallen logs, overhanging branches or hummocks at, or within 1m above the water's surface (turtles, snakes, frogs, wading birds, wood duck, mink, raccoon)

Rock piles, crevices, or hollow logs suitable for:

otter mink porcupine bear bobcat turkey vulture

Live or dead standing vegetation overhanging water or offering good visibility of open water (e.g., osprey, kingfisher, flycatchers, cedar waxwings)

Depressions that may serve as seasonal (vernal/autumnal) pools

Present Absent

Standing water present at least part of the growing season, suitable for use by

Breeding amphibians Non-breeding amphibians (foraging, re-hydration)

Turtles Foraging waterfowl

Sphagnum hummocks or mats, moss-covered logs or saturated logs, overhanging or directly adjacent to pools of standing water in spring (four-toed salamander)

Present Absent



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

Important habitat characteristics (if present, describe and quantify them on a separate sheet)

Medium to large (> 6"), flat rocks within a stream (cover for stream salamanders and nesting habitat for spring & two-lined salamanders)

Present Absent

Flat rocks and logs on banks or within exposed portions of streambeds (cover for stream salamanders and nesting habitat for dusky salamanders)

Present Absent

Underwater banks of fine silt and/or clay (beaver, muskrat, otter)

Present Absent

Undercut or overhanging banks (small mammals, mink, weasels)

Present Absent

Vertical sandy banks (bank swallow, kingfisher)

Present Absent

Areas of ice-free open water in winter

Present Absent

Mud flats

Present Absent

Exposed areas of well-drained, sandy soil suitable for turtle nesting

Present Absent

Wildlife dens/nests (if present, describe & quantify them on the back of this sheet)

Turtle nesting sites

Present Absent

Bank swallow colony

Present Absent

Nest(s) present of

Bald Eagle Osprey Great Blue Heron

Den(s) present of

Otter Mink Beaver



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

Project area is within:

- 100' of beaver, mink or otter den, bank swallow colony or turtle nesting area
- 200' of Great Blue Heron or osprey nest(s)
- 1400' of a Bald Eagle nest¹

Emergent Wetlands (if present, describe & quantify them on a separate sheet)

Emergent wetland vegetation at least seasonally flooded during the growing season (wood duck, green heron, black-crowned night heron, king rail, Virginia rail, coot, etc.)

Flooded > 5 cm Present Absent

Flooded > 25 cm (pied-billed grebe) Present Absent

Persistent emergent wetland vegetation at least seasonally flooded during the growing season (mallard, American bittern, sora, common snipe, red-winged blackbird, swamp sparrow, marsh wren)

Flooded > 5 cm Present Absent

Flooded > 25 cm (least bittern, common moorhen) Present Absent

Cattail emergent wetland vegetation at least seasonally flooded during the growing season

Flooded > 5 cm (marsh wren) Present Absent

Flooded > 25 cm (least bittern, common moorhen) Present Absent

Fine-leaved emergent vegetation (grasses and sedges) at least seasonally flooded during the growing season (common snipe, spotted sandpiper, sedge wren)

Flooded > 5 cm Present Absent

Flooded > 25 cm (least bittern, common moorhen) Present Absent

IV. Landscape Context

A. **Habitat Continuity** (if present, describe the landscape context on a separate sheet and its importance for area-sensitive species)

Is the impact area part of an emergent marsh at least 1.0 acre in size? Yes No

(marsh and waterbirds) 2.0 acres in size? Yes No

5.0 acres in size? Yes No

10.0 acres in size? Yes No

¹ 1400 feet is the distance used by NHESP for evaluating potential disturbance impacts on eagle nests under MESA. Keep in mind, however, that this doesn't give jurisdiction within 1400' of an eagle's nest; it only identifies it on the checklist so that adverse effects can be avoided if work in a resource area is within 1400 feet.



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

- | | | | |
|---|---------------------|---|--|
| Is the impact area part of a wetland complex at least | 2.5 acres in size? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| (turtles, frogs, waterfowl, mammals) | 5.0 acres in size? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| | 10.0 acres in size? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| | 25.0 acres in size? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| For upland resource areas is the impact area part of contiguous forested habitat at least | | | |
| (forest interior nesting birds) | 50 acres in size? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| | 100 acres in size? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| | 250 acres in size? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| | 500 acres in size? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| (grassland nesting birds) | > 1.0 acre in size? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| (special habitat such as gallery floodplain forest, alder thicket, etc.) | > 1.0 acre in size? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

B. Connectivity with adjoining natural habitats

- No direct connections to adjacent areas of wildlife habitat (little connectivity function)
- Connectors numerous or impact area is embedded in a large area of natural habitat (limited connectivity function)
- Impact area contributes to a limited number of connectors to adjacent areas of habitat (somewhat important for connectivity function)
- Impact area serves as *part of* a sole connector to adjacent areas of habitat (important for connectivity function)
- Impact area serves as *only* connector to adjacent areas of habitat (very important for connectivity function)

V. Habitat Degradation (describe degradation and wildlife impacts on the back of the sheet)

- Evidence of significant chemical contamination
- Evidence of significant levels of dumping
- Evidence of significant erosion or sedimentation problems
- Significant invasion of exotic plants (e.g., purple loosestrife, *Phragmites*, glossy buckthorn)
- Disturbance from roads or highways
- Other human disturbance
- Is the site the only resource area in the vicinity of an otherwise developed area

Note: These are not the only important habitat features that may be observed on a site. If the wildlife specialist identifies other features they should be noted in the application.



Wildlife Habitat Protection Guidance

Appendix B: Detailed Wildlife Habitat Evaluation

Part 2. Field Data Form (continued)

VI. Quantification Table for Important Habitat Characteristics

Habitat Characteristic	Amount Impacted in Impact Area	Current (entire site)	Post-Construction (entire site)
Example: standing dead trees 6-12" dbh	4	12	8
Rocks, Crevices, Logs, Tree Roots, or	0	10,000	10,000
Rocks, crevices, fallen logs,	0	10,000	10,000
Live or Dead Standing Vegetation	0	5,000	5,000
Aquatic Vegetation	1,742,000	1,742,000	1,742,000

Big Alum Pond
Notice of Intent
Big Alum Pond, Sturbridge, MA
November 21, 2023

Appendix F

Sturbridge NOI Packet



**Town of Sturbridge
Conservation Commission
Notice of Intent Application Coversheet/Checklist**

Date	October 10, 2023
-------------	------------------

in all white cells completely

Parcel	Big Alum (Pond) Lake Sturbridge	Applicant name	Big Alum Lake Association
Address		Address	P.O. Box 355, Fiskdale, MA 01518
Assessors		Email	chuckroy65@gmail.com
Map/Plat	None per Sturbridge Assessor	Phone	970-485-0361
Book & Page			
Owner name	MA Division of Fisheries and Wildlife	Representative	GEI Consultants, Inc.
Address	1 Rabbit Hill Road, Westborough	Address	124 Grove Street, Suite 300, Franklin, MA
Email		Email	amcmenemy@geiconsultants.com
Phone	508-389-6300	Phone	978-500-0734

FI

Wetland type		sf/cf affected		Relevant Perf. Standards	10. _____
Wetland type		sf/cf affected		Relevant Perf. Standards	10. _____
Wetland type		sf/cf affected		Relevant Perf. Standards	10. _____

Components of a Complete NOI Application

State Form: NOI Form 3	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Engineered Plan	Included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Proof of Mailing to DEP	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Narrative	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Proof that all relevant perf. standards are met	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TOPO Map identifying locus with scale	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
FIRM Map identifying locus with scale	Included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Natural Heritage Map with WH, PH, & VP data	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Included? <input type="checkbox"/>
Delineation lines (backup material)	Included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Tax Form	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Fees	
★ Fee Transmittal form	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
★ Filing Fee Worksheet	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
★ Town portion of state filing fee	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
★ Sturbridge local filing fee <u>\$300</u>	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Abutter Information	
★ Certified abutters list (within 200')	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
★ Abutter notification form	Included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
★ Affidavit & proof -- bring to hearing	<i>Present them at the hearing</i>
Other Attachments, e.g.	
Confirmation of submission to NHESP	Included? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Planting Plan	Included? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Floodplain analysis	Included? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Stormwater analysis	Included? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

Components of a Complete NOI Application

Conservation Commission Wetland Permit Process

NOI	Process
1	Obtain a Certified list of all abutters within 200' of property lines from the Assessor's Office. <i>(may take 10 business days)</i>
2	Obtain a Tax Form Sign-Off by the Finance Department
3	<p>Submit applications (see bullets below) by noon of the Tuesday deadline (16 days before the desired hearing):</p> <p>a. <u>To Sturbridge Conservation Commission</u>: 301 Main St., Sturbridge, MA 01566</p> <ul style="list-style-type: none"> • This coversheet (1 paper copy) • Complete application -- see the checklist on the other side of this page (2 paper copies and 1 pdf) <ul style="list-style-type: none"> • <i>Plans must be stamped by an engineer if any component of the project requires engineering.</i> • Checks <p>b. <u>To Mass DEP Central Regional Office</u>: 8 New Bond Street, Worcester, MA 01606</p> <ul style="list-style-type: none"> • Complete application -- see the checklist on the other side of this page (1 paper copy) • Photocopy of the two state checks • Email a complete application to CERO_NOI@mass.gov <p>c. <u>To DEP Lock Box</u>: Box 4062, Boston MA 02211</p> <ul style="list-style-type: none"> • Check for state portion of the state fee • Fee transmittal form
4	<i>Upon receipt of a complete application, the Conservation Agent will schedule a Public hearing/meeting.</i>
5	Once you are provided the date and time of the hearing, notify all abutters within 200' of the property line using the Town's " Notification to Abutters Form " by certified mail, certificate of mailing, or hand delivery with signatures 7 business days prior to the Hearing. (Present proof of notification prior to the beginning of the public hearing.)
6	<i>The Conservation Agent will place a legal ad in a local newspaper and the Applicant will be billed for the ad.</i>
7	Stake the project. 2 weeks in advance of the public hearing, stake all proposed structures, erosion control barriers, stormwater systems, etc. within Con Com jurisdiction. (See SWB Regulations)
8	<i>The Conservation Commission and/or Agent will perform a site visit before the public hearing to confirm existing conditions and proposed work. If you wish to be informed of the time of the visit, please contact the Con Com office.</i>
9	<p>Attend the public hearing/meeting. The applicant or representative is required to provide proof of abutter notification (including Affidavit of Service), proof of legal advertisement, briefly present the project, and answer any questions about possible impacts on wetlands. At the end of the hearing, the Con Com will either:</p> <ul style="list-style-type: none"> • Issue an <u>Order of Conditions</u> (OOC) approving or denying the project, or • Approve a continuation of the public hearing to allow time for additional information to be provided.
10	Receive and read the decision and understand the conditions. Contact the Con Com if you have any questions. Some conditions are temporary (such as maintaining erosion controls), and some are perpetual (such as maintaining restoration planting areas or limiting the use of fertilizers).
11	Wait-out the 10-Day appeal period. A decision of the Con Com can be appealed by MassDEP or by any abutter, applicant, or 10-citizen group within 10 business days of the decision.
12	Record the Order at the Registry of Deeds. Provide proof of recording to the Conservation office along with signed Certificates of Understanding.
13	Install MassDEP file number sign and erosion controls.
14	Schedule and attend a pre-construction site visit. Contact the Conservation office to schedule the site visit.
15	Execute the project. The project must be completed within 3 years, unless an extension of the permit is issued; extensions must be requested at least 30 days prior to the expiration of the permit.
16	Request a Certificate of Compliance (COC). Once the project is complete and all conditions have been satisfied, request a COC from the Conservation office by submitting at least: (1) DEP Form 8a , (2) a stamped as-built plan , and (3) a letter from the engineer stating that everything is in substantial compliance with the approved plans and OOC. The Con Com will perform a site visit to ensure compliance and will issue a COC if appropriate.
17	Record the Certificate of Compliance (COC) at the Registry of Deeds to remove the cloud from the title. Provide proof of recording to the Conservation office.

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.



Town of Sturbridge

Conservation Commission

Notice of Intent (NOI) Packet

Packet for filing of applications
under the Wetland Protection Act, MGL Ch. 131, sec 40,
and the Sturbridge Wetland Bylaw

Enclosed in this packet are the forms needed for submitting a Notice of Intent to the Town of Sturbridge Conservation Commission. It contains the following forms needing completion:

- **Notice of Intent Application Coversheet/Check List**
- **Mass DEP BRP WPA Form 3 - Notice of Intent Instructions and Supporting Materials**
- **Mass DEP BRP WPA Form 3 - Notice of Intent (formal form) 8pp (includes Mass DEP Wetland Fee Transmittal Form 2pp)**
- **Sturbridge Conservation Commission Affidavit of Service:**
This document is your witness that abutters have been notified according to regulations.
- **Town of Sturbridge Notification to Abutters**
Use this blank document to provide necessary information to abutters
- **Town of Sturbridge Proof of Paid Tax**
- **Abutter List Request**
- **Local Bylaw Filing Fee Sheet**

Please contact our office with any questions in regards to filing this application or process.



Sturbridge Conservation Commission

Notice of Intent

Sturbridge Wetland Bylaw Section 3.50

SCC File Number

A. General Information

1. Project Location:

Big Alum (Pond) Lake

a. Street Address

Sturbridge

b. City/Town

01566

c. Zip Code

None per Sturbridge Assessor

d. Assessors Map/Plat Number

None per Sturbridge Assessor

e. Parcel /Lot Number

2. Applicant:

a. First Name

Big Alum Lake Association

c. Organization

P.O. Box 355

d. Street Address

Fiskdale

e. City/Town

970-485-0361

h. Phone Number

i. Fax Number

b. Last Name

MA

f. State

chuckroy65@gmail.com

j. Email Address

01518

g. Zip Code

3. Property owner (required if different from applicant): Check if more than one owner

a. First Name

Massachusetts Division of Fisheries and Wildlife

c. Organization

1 Rabbit Hill Road

d. Street Address

Westborough

e. City/Town

508-389-6300

h. Phone Number

i. Fax Number

b. Last Name

MA

f. State

j. Email address

01581

g. Zip Code

4. Representative (if any):

Ann

a. First Name

GEI Consultants, Inc.

c. Company

124 Grove Street, Suite 300

d. Street Address

Franklin

e.

978-500-0734

h. Phone Number

i. Fax Number

McMenemy, PWS, NHCWS

b. Last Name

MA

f. State

amcmenemy@geiconsultants.com

j. Email address

02038-3156

g. Zip Code

5. Total Fee Paid (Attach with submittal from Filing Fee Worksheet):

\$1212.50

Fee Paid



Sturbridge Conservation Commission

Notice of Intent

Sturbridge Wetland Bylaw Section 3.50

SCC File Number

6. General Project Description:

Continuation of the yearly herbicide and drawdown lake treatments to control nuisance aquatic vegetation

7. Project Type Checklist:

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other:

8. Property recorded at the Registry of Deeds for:

Worcester

a. County

b. Certificate # (if registered land)

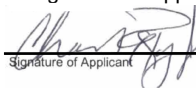
c. Book

d. Page Number

D. Signatures and Submittal Requirements

1. Attach a narrative and any supporting documentation describing how the project will protect the jurisdictional resource areas during construction and what Best Management Practices have been incorporated to ensure there will be no long-term impacts to the Resource Areas. Indicate distance to Resource Areas.
2. On a separate sheet, list the titles and dates for all plans and other materials submitted with this NOI.
3. If there is more than one property owner, please attach a list of these property owners not listed on this form.
4. Include the Town of Sturbridge Notice of Intent Application Checklist Signatures and Submittal Requirements
5. I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. The Commission will provide legal advertisement to the applicant and it is the applicants requirement to post in accordance to the applicable Sturbridge Bylaw and/or supporting regulations. I further certify under penalties of perjury that all abutters were notified of this application. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 200 feet of the property line of the project location.

1. Signature of Applicant

 11/20/23
Signature of Applicant date

2. Signature of Property Owner (if different)

date

3. Signature of Representative (if any)

 11/20/23
date



Town of Sturbridge

Barbara A. Barry, Finance Director

Department/Board/Committee: Conservation Commission

Please verify outstanding tax/fee status for the following property owner:

Property Owner: Massachusetts Division of Fisheries and Wildlife

Property Location: Big Alum (Pond) Lake

- The license/permit may be released.
 The license/permit may not be released.

For Wendy MacKugen
Finance Director

3/21/23
Date