

EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES

102 Grove Street
Worcester, MA 01605-2629
508-752-9666 – Fax: 508-752-9494

January 4, 2024

Leicester Conservation Commission
Town Hall
3 Washburn Square
Leicester, MA 01524

Re: Notice of Intent
211 Baldwin Street, Leicester
Applicant: James & Jennifer Mercier

Dear Commission Members:

Enclosed please find two (2) copies of a Notice of Intent submitted on behalf of the Applicant: James & Jennifer Mercier filed under the Wetlands Protection Act regulations and the Town of Leicester Wetlands Protection Bylaw for the above referenced property. Also enclosed, please find the following checks: 1.) a check in the amount of \$67.50 to cover the town share of the filing fee under the Act, 2.) a check in the amount of \$27.50 to cover the filing fee under the bylaw. Please note that EcoTec will pay for the Legal Advertisement promptly upon notification of the cost of the advertisement, at your direction, with information to be provided by the Commission.

This filing comprises:

1. This cover letter;
2. WPA Form 3, Notice of Intent Form; with all required attachments and copies of WPA checks;
3. Abutter's List and Form of Abutter Notice;
4. Wetland Resource Evaluation report by EcoTec dated July 7, 2023, including:
 - a. USGS Map, with site indicated;
 - b. Flood Insurance Rate Map FIRMette, with site indicated;
 - c. NHESP Atlas, including Estimated Habitats of Rare Wetlands Wildlife and Certified Vernal Pools, from MassGIS Datalayer with site indicated; and
 - d. BVW delineation field forms.
5. Waiver Requests prepared by EcoTec, Inc., (provided below).
6. Site Plans titled "Proposed Site Plan" Prepared by Finlay Engineering dated December 5, 2023 (5 full size and 3 reduced).

One (1) copy of this filing has been submitted to the Department of Environmental Protection and one copy of this filing has been submitted to the property owner. EcoTec will email an electronic version of this application to the Commission.

The proposed work includes the clearing, loam and seeding of a portion of the Buffer Zone between the proposed home and Stiles Reservoir and the removal of several additional trees, some of which are dead or in decline. To protect the resource areas during the project, an erosion control barrier consisting of silt fencing and straw wattle and/or double staked bales will be installed, monitored and maintained throughout construction. The details of the work will be as follows:

1. Stumps within the beach area/boat launch will be removed and immediately restored with topsoil and seed or by replacing with sand to ensure the area is restored to the current condition. Dead trees will be cut down to remove the hazard, with stumps remaining to ensure that resource areas are not impacted.
2. Earthwork below the house will be conducted during the growing season during a dry period to allow the area to stumped, regraded, topsoil placed, and hydroseeded as quickly as possible to ensure that the area is not left disturbed for an extended period.

The proposed work is in part within the 25-foot “No Disturb” Buffer Zone. As such, the proposed project will require a waiver from the Bylaw regulations. The waiver requires that the project must show that measures will be incorporated into the project to ensure that there will be no significant adverse impacts to resource areas. As noted above, the project will incorporate erosion controls to ensure that will protect resource areas. No direct wetland impacts are proposed. The entire project site consists of a 52+/- acre parcel, that was a former summer camp. This includes approximately 1,600-linear feet of Bank on Stiles Reservoir. The applicants wish to clear an area to allow for a yard and a view of the lake, which preserves the remainder of the site and lake frontage, which will preserve a significant amount of forest and pond frontage with no wetland impacts. The work area will allow a 5-foot Buffer to remain along the edge of Bordering Vegetated Wetland (BVW) and will impact approximately 230 feet or less than 15% of the total waterfront Buffer Zone on the site. Therefore, the applicant requests that the Conservation Commission grant a waiver based upon the information presented above.

We look forward to meeting with the Commission regarding this project. If you have any questions, please feel free to contact me at any time.

Sincerely,



Arthur Allen, CPSS
Senior Environmental Scientist



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

Leicester

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):

211 Baldwin Street

a. Street Address

Leicester

b. City/Town

01542

c. Zip Code

Latitude and Longitude:

48

f. Assessors Map/Plat Number

42.19916

d. Latitude

-71.93958

e. Longitude

B2

g. Parcel /Lot Number

2. Applicant:

James & Jennifer

a. First Name

Mercier

b. Last Name

c. Organization

6 Sabina Circle

d. Street Address

Rochdale

e. City/Town

MA

f. State

01542

g. Zip Code

508-864-3121

h. Phone Number

i. Fax Number

jim.mercier@mercierelectric.com

j. Email Address

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

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

Arthur

a. First Name

Allen

b. Last Name

EcoTec, Inc.

c. Company

102 Grove Street, Suite 110

d. Street Address

Worcester

e. City/Town

MA

f. State

01605

g. Zip Code

508-752-9666

h. Phone Number

i. Fax Number

aallen@ecotecinc.com

j. Email address

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

110.00

a. Total Fee Paid

42.50

b. State Fee Paid

67.50

c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

The proposed project consists of clearing, grading and tree removal within the 100-foot Buffer Zone.

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

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Commercial/Industrial | 4. <input type="checkbox"/> Dock/Pier |
| 5. <input type="checkbox"/> Utilities | 6. <input type="checkbox"/> Coastal engineering Structure |
| 7. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) | 8. <input type="checkbox"/> Transportation |
| 9. <input type="checkbox"/> 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)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(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

58540

c. Book

b. Certificate # (if registered land)

217

d. Page Number

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

- ☒ 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.
- ☐ 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.



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Bureau of Resource Protection - Wetlands

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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 type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	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 3. cubic feet of flood storage lost	2. square feet 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.



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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/ma-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 - Bourne to Rhode Island border, and the Cape & Islands:

North Shore - Plymouth 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).



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

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

Online Users:

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

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.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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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.

Proposed Site Plan- 211 Baldwin Street, Leicester

a. Plan Title

Finlay Engineering Services

John Finlay, PE

b. Prepared By

c. Signed and Stamped by

12/5/23

1" = 30'

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:

1003

12/26/23

2. Municipal Check Number

3. Check date

1004

12/26/23

4. State Check Number

5. Check date

James & Jennier

Mercier

6. Payor name on check: First Name

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

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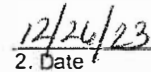
City/Town

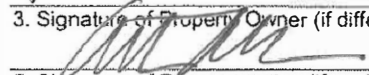
F. Signatures and Submittal Requirements

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.


1. Signature of Applicant


2. Date


3. Signature of Property Owner (if different)

4. Date
1/5/2024

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.



Massachusetts Department of Environmental Protection
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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:

211 Baldwin Street

a. Street Address

1004

c. Check number

Leicester

b. City/Town

42.50

d. Fee amount

2. Applicant Mailing Address:

James and Jennifer

a. First Name

Mercier

b. Last Name

c. Organization

6 Sabina Circle

d. Mailing Address

Rochdale

e. City/Town

MA

f. State

01542

g. Zip Code

508-864-3121

h. Phone Number

i. Fax Number

jim.mercier@mercierelectric.com

j. Email Address

3. Property Owner (if different):

a. First Name

b. Last Name

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 I (work assoc. with SFH)	1	110.00	110.00
Step 5/Total Project Fee:			110.00

Step 6/Fee Payments:

Total Project Fee:	110.00
	a. Total Fee from Step 5
State share of filing Fee:	42.50
	b. 1/2 Total Fee less \$12.50
City/Town share of filling Fee:	67.50
	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.)

JAMES R. MERCIER
JENNIFER L. MERCIER JTWROS
6 SABRINA CIRCLE
ROCHDALE, MA 01542-1022



UBS Financial Services Inc.

1005

25-80/440

DEC 26 2023

DATE

PAY TO THE
ORDER OF

TOWN OF LEICESTER

\$ 27.50

TWENTY SEVEN AND 50/100

DOLLARS



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UMB Bank, N.A.
Kansas City, MO 64106

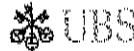
ABCDEFGHIJKL MNOPQRST UVWXYZ

MEMO

211 BALDWIN ST.

[Redacted]

JAMES R. MERCIER
JENNIFER L. MERCIER JTWROS
6 SABRINA CIRCLE
ROCHDALE, MA 01542-1022



UBS Financial Services Inc.

1004

25-80/440

DEC 26 2023

DATE

PAY TO THE
ORDER OF

COMMONWEALTH OF MASSACHUSETTS

\$ 42.50

Forty two AND 50/100

DOLLARS



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UMB Bank, N.A.
Kansas City, MO 64106

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MEMO

211 BALDWIN ST.

[Redacted]

JAMES R. MERCIER
JENNIFER L. MERCIER JTWROS
6 SABRINA CIRCLE
ROCHDALE, MA 01542-1022



UBS Financial Services Inc.

1003

25-80/440

DEC 26 2023

DATE

PAY TO THE
ORDER OF

TOWN OF LEICESTER

\$ 67.50

SIXTY SEVEN AND 50/100

DOLLARS



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UMB Bank, N.A.
Kansas City, MO 64106

ABCDEFGHIJKL MNOPQRST UVWXYZ

MEMO

211 BALDWIN ST.

[Redacted]

ABUTTER NOTIFICATION REQUIREMENTS

The Wetlands Protection Act at 310 CMR 10.05 states:

“Concurrent with the filing of the Notice of Intent, the applicant shall provide notification to all Abutters. Notwithstanding the foregoing, the requirement to provide Abutter notification is subject to the following limits. An applicant is required to provide notification to an Abutter whose Lot is separated from the Project Locus by a public or private street or body of water only if the Abutter's Lot is within 100 feet from the property line of the Project Locus. An applicant who proposes work solely within Land under Water Bodies or Waterways, or solely within a Lot with an area greater than 50 acres, is required to provide notification only to Abutters whose Lot is within one hundred feet from the Project Site.....”

The project parcel consists of 52.2+/- acres of land. As such in accordance with the Wetlands Protection Act regulations only abutters whose lot is within one hundred feet of the project site are required to be notified. There are none.

The Town of Leicester Abutter Notification requirements use the same procedure but extend the notification requirement to 300-feet (see abutter list application sheet, attached.) The only abutters within 300-feet of the work area are the following:

Walls Walter J Trustee Walls
Judith A Trustee
33 Parker Street
Rochdale, MA 01542

Stiles Lake Water District
P.O. Box 401
Rochdale, MA 01542

Therefore, in accordance with the regulations these abutters were notified.

A B U T T E R S L I S T R E Q U E S T

TOWN OF LEICESTER

ASSESSORS HAVE TEN DAYS TO PROCESS YOUR REQUEST, PLEASE PLAN AHEAD!

**\$10.00 PREPAID AT TIME OF REQUEST FOR FIRST THREE PAGES, \$5.00 PER PAGE AT
TIME OF PICKUP FOR EACH ADDITIONAL PAGE.**

Subject Information

Parcel	Assessors Map: 48	Parcel: B2	Deed Ref#: 58540-217
Owner(s)	James & Jennifer Mercier		
Street Address	211 Baldwin Street		

Requestor Information

Name	Scott Morrison, EcoTec		
Telephone	508-328-5935	Email	smorrison@ecotecinc.com

	Board/Department	Description of Required Abutters List
	Conservation Commission RDA	Direct abutters, including abutters across any street
<input checked="" type="radio"/>	Conservation Commission NOI	Abutters and abutters to abutters within <u>300 feet</u> , including across any street or body of water ¹
	Planning Board Special Permit, <u>Major</u> Site Plan Review, or Definitive Subdivision	Abutters and abutters to abutters within <u>300 feet</u> , including across any street
	Zoning Board of Appeals Special Permit OR Variance	Abutters and abutters to abutters within <u>300 feet</u> , including across any street
	Board of Health	Specify Distance (consult with Board of Health Staff to determine the required distance) _____
	Board of Selectmen Class II License	Direct abutters, including abutters across any street
	Board of Selectmen Liquor License	Direct abutters, including abutters across any street AND schools, churches, or hospitals within 500 feet
	Other: Please specify Board/Department _____	Please specify: _____ Direct Abutters 300 _____ feet Other: _____

¹ An applicant who proposes work solely within Land under Water Bodies or Waterways, or solely within a Lot with an area greater than 50 acres, is required to provide notification only to Abutters whose Lot is within three hundred feet from the *Project Site*. An applicant proposing a Linear- shaped Project greater than 1,000 feet in length is required to provide notification only to Abutters whose Lot is within 1,000 feet from the *Project Site*.



300 feet Abutters List Report

Leicester, MA
January 04, 2024

Subject Property:

Parcel Number: 48-B2-0
CAMA Number: 48-B2-0
Property Address: 211 BALDWIN ST

Mailing Address: MERCIER JAMES R
MERCIER JENNIFER L
6 SABINA CR
ROCHDALE, MA 01542

Abutters:

Parcel Number: 42-A3.3-0
CAMA Number: 42-A3.3-0
Property Address: 208 BALDWIN ST

Mailing Address: JERRY RICHARD J GENTILE-JERRY
LISA A
208 BALDWIN ST
LEICESTER, MA 01524

Parcel Number: 42-A3.4-0
CAMA Number: 42-A3.4-0
Property Address: 2 SALMINEN DR

Mailing Address: JONES HOTROD
2 SALMINEN DR
LEICESTER, MA 01524

Parcel Number: 42-A3.5-0
CAMA Number: 42-A3.5-0
Property Address: PARKER ST

Mailing Address: GENERELLI JR THOMAS A
7 BULLARD AV
WORCESTER, MA 01605

Parcel Number: 42-A3-0
CAMA Number: 42-A3-0
Property Address: 6 SALMINEN DR

Mailing Address: GOULD MICHAEL M GOULD KAREN J
6 SALMINEN DRIVE
LEICESTER, MA 01524

Parcel Number: 42-A5.3-0
CAMA Number: 42-A5.3-0
Property Address: 204 BALDWIN ST

Mailing Address: BROUILLARD ROBERT J BROUILLARD
CHRISTINE M
204 BALDWIN ST
LEICESTER, MA 01524

Parcel Number: 42-A5.4-0
CAMA Number: 42-A5.4-0
Property Address: 206 BALDWIN ST

Mailing Address: DUMAS RICHARD J DUMAS ELIZABETH
M
206 BALDWIN ST
LEICESTER, MA 01524

Parcel Number: 42-D1-0
CAMA Number: 42-D1-0
Property Address: 1 SALMINEN AV

Mailing Address: HESSELTON TRACY J
1 SALMINEN DRIVE
LEICESTER, MA 01524

Parcel Number: 48-A1.1-0
CAMA Number: 48-A1.1-0
Property Address: 3 OAK BLUFF LN

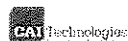
Mailing Address: FRASER SELENA
3 OAK BLUFF LANE
LEICESTER, MA 01524

Parcel Number: 48-A1.2-0
CAMA Number: 48-A1.2-0
Property Address: 218 BALDWIN ST

Mailing Address: MILEWSKI PIOTR MILEWSKI JENNIFER
218 BALDWIN ST
LEICESTER MA, MA 01524

Parcel Number: 48-A1.3-0
CAMA Number: 48-A1.3-0
Property Address: 220 BALDWIN ST

Mailing Address: JAQUITH ROBERT JAQUITH STEPHANIE
ANN
220 BALDWIN ST
LEICESTER, MA 01524



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1/4/2024

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Page 1 of 3



300 feet Abutters List Report

Leicester, MA
January 04, 2024

Parcel Number: 48-A1.4-0
CAMA Number: 48-A1.4-0
Property Address: 222 BALDWIN ST

Mailing Address: DUPONT RICHARD DUPONT SUSAN
222 BALDWIN ST
LEICESTER, MA 01524

Parcel Number: 48-A1.5-0
CAMA Number: 48-A1.5-0
Property Address: 4 OAK BLUFF LN

Mailing Address: JENNINGS DAWN L.
4 OAK BLUFF LANE
LEICESTER, MA 01524

Parcel Number: 48-A1.6-0
CAMA Number: 48-A1.6-0
Property Address: 6 OAK BLUFF LN

Mailing Address: PATEL HASITKUMAR
1044 MAIN ST
LEICESTER, MA 01524

Parcel Number: 48-A1-0
CAMA Number: 48-A1-0
Property Address: 2 OAK BLUFF LN

Mailing Address: SHARMA KRISTAN KIRAN
2 OAK BLUFF LN
LEICESTER, MA 01524

Parcel Number: 48-B1.1-0
CAMA Number: 48-B1.1-0
Property Address: 205 BALDWIN ST

Mailing Address: KIM HAING KIM YOUNG
205 BALDWIN ST
LEICESTER, MA 01524

Parcel Number: 48-B1.2-0
CAMA Number: 48-B1.2-0
Property Address: 203 BALDWIN ST

Mailing Address: MCLEOD LINDA A MCLEOD EDMUND
203 BALDWIN STREET
LEICESTER, MA 01524

Parcel Number: 48-B1.3-0
CAMA Number: 48-B1.3-0
Property Address: 51 PARKER ST

Mailing Address: VALENTI TIMOTHY E VALENTI BRENDA
51 PARKER STREET
ROCHDALE, MA 01542

Parcel Number: 48-B1-0
CAMA Number: 48-B1-0
Property Address: 207 BALDWIN ST

Mailing Address: SIMPSON BRYAN E
207 BALDWIN ST
LEICESTER, MA 01524

Parcel Number: 48-B2.1-0
CAMA Number: 48-B2.1-0
Property Address: 39 PARKER ST

Mailing Address: ADU THERESA
39 PARKER ST
ROCHDALE, MA 01542

Parcel Number: 48-B2.2-0
CAMA Number: 48-B2.2-0
Property Address: 41 PARKER ST

Mailing Address: GENTILE LAWRENCE P GENTILE
KAREN L
49 BLUEBERRY HILL
WEBSTER, MA 01570

Parcel Number: 48-B2.3-0
CAMA Number: 48-B2.3-0
Property Address: 43 PARKER ST

Mailing Address: JOHNSON TRAVIS
89 DOWNEY RD
N BROOKFIELD, MA 01535

Parcel Number: 48-B2.4-0
CAMA Number: 48-B2.4-0
Property Address: 45 PARKER ST

Mailing Address: KULARSKI ANDREW S KULARSKI
JENNA R
45 PARKER ST
ROCHDALE, MA 01542



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1/4/2024

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Page 2 of 3



300 feet Abutters List Report

Leicester, MA
January 04, 2024

Parcel Number: 48-B3.1-0
CAMA Number: 48-B3.1-0
Property Address: 37 PARKER ST

Mailing Address: WALLS ROBERT J GRABAUSKAS
DEBRA A
37 PARKER STREET
ROCHDALE, MA 01542

Parcel Number: 48-B3.2-0
CAMA Number: 48-B3.2-0
Property Address: 35 PARKER ST

Mailing Address: WALLS STEVEN WALLS LYNNE M
35 PARKER ST
ROCHDALE, MA 01542

Parcel Number: 48-B3-0
CAMA Number: 48-B3-0
Property Address: 33 PARKER ST

Mailing Address: WALLS WALTER J TRUSTEE WALLS
JUDITH A TRUSTEE
33 PARKER ST
ROCHDALE, MA 01542

Parcel Number: 48-B5-0
CAMA Number: 48-B5-0
Property Address: P/O STILES RESERVOIR

Mailing Address: STILES LAKE WATER DISTRICT
PO BOX 401
ROCHDALE, MA 01542-0401

Parcel Number: 48-C10.4-0
CAMA Number: 48-C10.4-0
Property Address: 46 PARKER ST

Mailing Address: VAN HAZINGA JONATHAN A VAN
HAZINGA HEATHER M
46 PARKER ST
ROCHDALE, MA 01542

Parcel Number: 48-C10.6-0
CAMA Number: 48-C10.6-0
Property Address: 48 PARKER ST

Mailing Address: ROONEY JUSTIN P
48 PARKER ST
ROCHDALE, MA 01542

Parcel Number: 48-C12-0
CAMA Number: 48-C12-0
Property Address: 199 BALDWIN ST

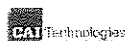
Mailing Address: DONOVAN DANIEL F DONOVAN CINDY
R
199 BALDWIN ST
LEICESTER, MA 01524

Parcel Number: 48-C13-0
CAMA Number: 48-C13-0
Property Address: 50 PARKER ST

Mailing Address: CASTILLO HERNANDO CASTILLO
MARIANA
50 PARKER ST
ROCHDALE, MA 01542

Above is a certified list of abutters and abutters to abutters within 300 feet including across the street.
Subject Property: 211 Baldwin Street Map 48 Lot B2 Deed reference Book 58540 page 217
Subject Owners: James r and Jennifer L Mercier
Certified by Alyce D Johns, Interim Assessor

Alyce D Johns



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1/4/2024

Page 3 of 3

ADU THERESA
39 PARKER ST
ROCHDALE, MA 01542

HESELTON TRACY J
1 SALMINEN DRIVE
LEICESTER, MA 01524

PATEL HASITKUMAR
1044 MAIN ST
LEICESTER, MA 01524

BROUILLARD ROBERT J
BROUILLARD CHRISTINE M
204 BALDWIN ST
LEICESTER, MA 01524

JAQUITH ROBERT
JAQUITH STEPHANIE ANN
220 BALDWIN ST
LEICESTER, MA 01524

ROONEY JUSTIN P
48 PARKER ST
ROCHDALE, MA 01542

CASTILLO HERNANDO
CASTILLO MARIANA
50 PARKER ST
ROCHDALE, MA 01542

JENNINGS DAWN L.
4 OAK BLUFF LANE
LEICESTER, MA 01524

SHARMA KRISTAN KIRAN
2 OAK BLUFF LN
LEICESTER, MA 01524

DONOVAN DANIEL F
DONOVAN CINDY R
199 BALDWIN ST
LEICESTER, MA 01524

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GENTILE-JERRY LISA A
208 BALDWIN ST
LEICESTER, MA 01524

SIMPSON BRYAN E
207 BALDWIN ST
LEICESTER, MA 01524

DUMAS RICHARD J
DUMAS ELIZABETH M
206 BALDWIN ST
LEICESTER, MA 01524

JOHNSON TRAVIS
89 DOWNEY RD
N BROOKFIELD, MA 01535

STILES LAKE WATER DISTRICT
PO BOX 401
ROCHDALE, MA 01542-0401

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222 BALDWIN ST
LEICESTER, MA 01524

JONES HOTROD
2 SALMINEN DR
LEICESTER, MA 01524

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ROCHDALE, MA 01542

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205 BALDWIN ST
LEICESTER, MA 01524

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ROCHDALE, MA 01542

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ROCHDALE, MA 01542

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GRABAUSKAS DEBRA A
37 PARKER STREET
ROCHDALE, MA 01542

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GENTILE KAREN L
49 BLUEBERRY HILL
WEBSTER, MA 01570

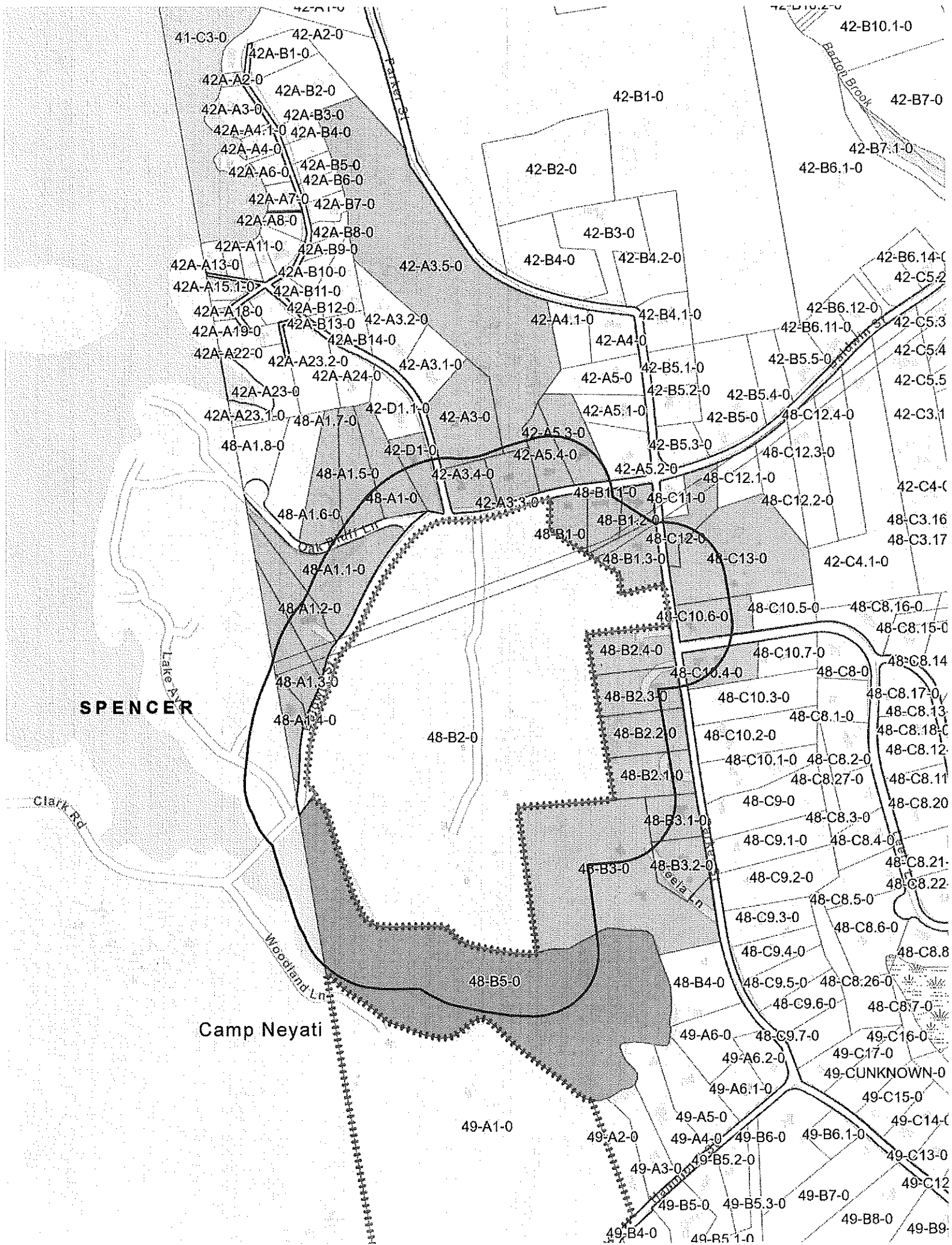
MCLEOD LINDA A
MCLEOD EDMUND
203 BALDWIN STREET
LEICESTER, MA 01524

WALLS STEVEN
WALLS LYNNE M
35 PARKER ST
ROCHDALE, MA 01542

GOULD MICHAEL M
GOULD KAREN J
6 SALMINEN DRIVE
LEICESTER, MA 01524

MILEWSKI PIOTR
MILEWSKI JENNIFER
218 BALDWIN ST
LEICESTER MA, MA 01524

WALLS WALTER J TRUSTEE
WALLS JUDITH A TRUSTEE
33 PARKER ST
ROCHDALE, MA 01542



SPENCER

Camp Neyati

Notification of Abutters Under the
Massachusetts Wetlands Protection Act and the Town of Leicester Wetlands Bylaw

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

- A. The name of the applicant is James & Jennifer Mercier.
- B. The applicant has filed a Notice of Intent with the Conservation Commission for the municipality of Leicester seeking permission to remove trees and regrade a portion of the property located within the 100-foot Buffer Zone to an Area Subject to Protection Under the Wetlands Protection Act (General Laws Chapter 131, Section 40) and the Town of Leicester Wetlands Bylaw.
- C. The address where the planned activity will take place is 211 Baldwin Street, Leicester.
- D. Copies of the Notice of Intent may be examined and obtained by making an appointment at EcoTec, Inc., 102 Grove Street, Worcester, MA, during regular business hours.

For more information call Arthur Allen of EcoTec at (508) 752-9666 to make an appointment to review the filing materials. This is the applicant's representative.

- E. Information regarding the date, time and place of the public hearing may be obtained from EcoTec, Inc., by calling this telephone number (508) 752-9666 during regular business hours.

NOTE: Notice of the public hearing, including the date, time and place will be published at least five (5) days in advance in the Worcester Telegram.

NOTE: Notice of the public hearing, including the date, time and place will be posted in the City or Town Hall not less than forty-eight (48) hours in advance.

NOTE: You also may contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call:

Central Region: 508-792-7650

EcoTec, Inc.
ENVIRONMENTAL CONSULTING SERVICES
102 Grove Street, Suite 110
Worcester, MA 01605-2629
508-752-9666 – Fax: 508-752-9494

July 7, 2023

Jim Mercier
211 Baldwin Street
Leicester, MA 01424

RE: Wetland Resource Evaluation, 211 Baldwin Street, Leicester, Massachusetts

Dear Mr. Mercier:

On June 30, 2023, EcoTec, Inc. inspected the above-referenced property for the presence of wetland resources as defined by: (1) the Massachusetts Wetlands Protection Act (M.G.L. Ch. 131, § 40; the “Act”) and its implementing regulations (310 CMR 10.00 *et seq.*; the “Regulations”); (2) the U.S. Clean Water Act (i.e., Section 404 and 401 wetlands); and (3) the Town of Leicester Wetlands Protection Bylaw. Scott M. Morrison, PWS conducted the inspection.

The subject site consists of a 50-acre parcel located to the south of Baldwin Street and north of Stiles Reservoir containing the former Camp Neyati. The portion of the site inspected consists of the southwestern portion of the site between the existing barn and the Lake. The upland portions of the site consist of undeveloped forest with several outbuildings and camp platforms. Plant species observed include northern red oak (*Quercus rubra*), white oak (*Quercus alba*), eastern white pine (*Pinus strobus*), black cherry (*Prunus serotina*), red maple (*Acer rubrum*), sugar maple (*Acer saccharum*), American beech (*Fagus grandifolia*), shag-bark hickory (*Carya ovata*), white ash (*Fraxinus americana*), black birch (*Betula lenta*), and sassafras (*Sassafras albidum*) trees and/or saplings; poison ivy (*Toxicodendron radicans*), Virginia creeper (*Parthenocissus quinquefolia*) climbing woody vines; American witch-hazel (*Hamamelis virginiana*), highbush blueberry (*Vaccinium corymbosum*), mountain laurel (*Kalmia latifolia*), eastern red cedar (*Juniperus virginiana*), American hazel-nut (*Corylus americana*), black huckleberry (*Gaylussacia baccata*), and maple-leaf viburnum (*Viburnum acerifolium*) shrubs; and sheep-laurel (*Kalmia angustifolia*), lowbush blueberry (*Vaccinium angustifolium*), wild sarsaparilla (*Aralia nudicaulis*), tree clubmoss (*Lycopodium obscurum*), trailing clubmoss (*Lycopodium complanatum*), bracken fern (*Pteridium aquilinum*), hayscented fern (*Dennstaedtia punctilobula*), teaberry (*Gaultheria procumbens*), partridge-berry (*Mitchella repens*), feather false-Solomon’s-seal (*Smilacina racemosa*), wild-lily-of-the-valley (*Maianthemum canadense*), striped pipsissewa (*Chimaphila maculata*), and Indian pipe (*Monotropa uniflora*) ground cover. The wetland resources observed on the site are described below.

Methodology

The site was inspected, and areas suspected to qualify as wetland resources were identified. The boundary of Bordering Vegetated Wetlands or, in the absence of Bordering Vegetated Wetlands, Bank was delineated in the field in accordance with the definitions set forth in the regulations at 310 CMR 10.55(2)(c) and 310 CMR 10.54(2). Section 10.55(2)(c) states that “The boundary of Bordering Vegetated Wetlands is the line within which 50% or more of the vegetational community consists of wetland indicator plants and saturated or inundated conditions exist.” Section 10.54(2)(c) states that “The upper boundary of Bank is the first observable break in the slope or the mean annual flood level, whichever is lower.” The methodology used to delineate Bordering Vegetated Wetlands is further described in: (1) the BVW Policy “*BVW: Bordering Vegetated Wetlands Delineation Criteria and Methodology*,” issued March 1, 1995; and (2) “*Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act: A Handbook*,” produced by the Massachusetts Department of Environmental Protection, dated March 1995. The plant taxonomy used in this report is based on the *National List of Plant Species that Occur in Wetlands: Massachusetts* (Fish and Wildlife Service, U.S. Department of the Interior, 1988). Federal wetlands were presumed to have boundaries conterminous with the delineated Bordering Vegetated Wetlands and Bank. One set of DEP Bordering Vegetated Wetland Delineation Field Data Forms completed for observation plots located in the wetlands and uplands near flag A-25 is attached. The table below provides the Flag Numbers, Flag Type, and Wetland Types and Locations for the delineated wetland resources.

Flag Numbers	Flag Type	Wetland Types and Locations
Start A1 to A43 Stop	Blue Flags	Boundary of Bank/narrow fringe of Bordering Vegetated Wetlands located in the southern portion of the site that is associated with Stiles Reservoir.

Findings

Wetland A (i.e., flags A1 to A43) consists of a fringe of forested/shrub swamp located in the western portion of the site that is associated with a pond. Plant species observed include willow (*Salix sp.*), common buttonbush (*Cephalanthus occidentalis*), American elder (*Sambucus canadensis*), steeple-bush (*Spiraea tomentosa*), and broad-leaf meadow-sweet (*Spiraea latifolia*) shrubs; and grasses (Gramineae sp.), sedges (Cyperaceae sp.), rushes (Juncaceae sp.), broad-leaf cattail (*Typha latifolia*), narrow-leaf cattail (*Typha angustifolia*), purple loosestrife (*Lythrum salicaria*), wool-grass (*Scirpus cyperinus*), tussock sedge (*Carex stricta*), soft rush (*Juncus effusus*), spotted touch-me-not (*Impatiens capensis*), golden-rods (*Solidago sp.*), fragrant-golden-rods (*Euthamia sp.*), sensitive fern (*Onoclea sensibilis*), bedstraw (*Gallium sp.*), aster (*Aster sp.*), beggar-tick's (*Bidens sp.*), blueflag (*Iris versicolor*), common boneset (*Eupatorium perfoliatum*), butter-cup (*Ranunculus sp.*), blue vervain (*Verbena hastata*),

smartweed (*Polygonum sp.*), horsetail (*Equisetum sp.*), skunk-cabbage (*Symplocarpus foetidus*), spotted Joe-pye-weed (*Eupatoriadelphus maculatus*), swamp Jack-in-the-pulpit (*Arisaema triphyllum*), and sphagnum moss (*Sphagnum sp.*) ground cover. Evidence of wetland hydrology, including hydric soils, high groundwater, saturated soils, evidence of flooding, and drainage patterns, was observed within the delineated wetland. This vegetated wetland borders a pond; accordingly, the vegetated wetlands would be regulated as Bordering Vegetated Wetlands and the pond would be regulated as Bank and Land Under Water Bodies and Waterways under the Act and Bylaw. A 100-foot Buffer Zone extends horizontally outward from the edge of Bordering Vegetated Wetlands and Bank under the Act and Bylaw.

Bordering Land Subject to Flooding is an area that floods due to a rise in floodwaters from a bordering waterway or water body. Where flood studies have been completed, the boundary of Bordering Land Subject to Flooding is based upon flood profile data prepared by the National Flood Insurance Program. Section 10.57(2)(a)3. states that “The boundary of Bordering Land Subject to Flooding is the estimated maximum lateral extent of flood water which will theoretically result from the statistical 100-year frequency storm.” Based upon a review of the Flood Insurance Rate Map, Worcester County, Massachusetts, Map Number 25027C0780F, Effective Date June 21, 2023, there is a mapped Zone A (i.e., 100-year floodplain with an unspecified flood elevation) located over the reservoir. The project engineer should evaluate the most recent National Flood Insurance Program flood profile data to determine if Bordering Land Subject to Flooding occurs on the site. Bordering Land Subject to Flooding would occur in areas where the 100-year flood elevation is located outside of or upgradient of the delineated Bordering Vegetated Wetlands or Bank boundary. Bordering Land Subject to Flooding does not have a Buffer Zone under the Act.

The Massachusetts Rivers Protection Act amended the Act to establish an additional wetland resource area: Riverfront Area. Based upon a review of the current USGS Map (attached) and observations made during the site inspection, there are no mapped or unmapped streams located within 200 feet of the site. Accordingly, Riverfront Area would not occur on the site. Riverfront Area does not have a Buffer Zone under the Act.

The Regulations require that no project may be permitted that will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures set forth at 310 CMR 10.59. Based upon a review of the *Massachusetts Natural Heritage Atlas*, 15th edition, Priority Habitats and Estimated Habitats from the NHESP Interactive Viewer, valid from August 1, 2021, and Certified Vernal Pools from MassGIS, there are no Estimated Habitats [for use with the Act and Regulations (310 CMR 10.00 *et seq.*)], Priority Habitats [for use with Massachusetts Endangered Species Act (M.G.L. Ch. 131A; “MESA”) and MESA Regulations (321 CMR 10.00 *et seq.*)], or Certified Vernal Pools on or in the immediate vicinity of the site. A copy of this map is attached.

211 Baldwin Street, Leicester

July 7, 2023

Page 4.

The reader should be aware that the regulatory authority for determining wetland jurisdiction rests with local, state, and federal authorities. A brief description of my experience and qualifications is attached. If you have any questions, please feel free to contact me at any time.

Cordially,
ECOTEC, INC.

A handwritten signature in blue ink, reading "Scott M. Morrison". The signature is written in a cursive, flowing style. The first name "Scott" is written in a larger, more prominent script, followed by "M." and "Morrison". The signature is set against a light yellow background.

Scott M. Morrison, PWS
Senior Environmental Scientist

Attachments (5, 11 pages)

17/E/LeicesterBaldwin211Report

EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES

102 Grove Street

Worcester, MA 01605-2629

508-752-9666 – Fax: 508-752-9494

Scott M. Morrison, PWS, CERP, RPSS, SE **Senior Environmental Scientist**

Scott Morrison is a Senior Environmental Scientist with EcoTec, Inc. Since joining EcoTec in 2000, Mr. Morrison's project experience include wetland resource evaluation, delineation, and permitting at the local, state, and federal levels; wildlife habitat evaluation; pond and stream evaluation; vernal pool evaluation, monitoring, and certification; wetland replacement, replication, and restoration area design, construction, and monitoring; soil evaluations to determine infiltration rates and seasonal high groundwater elevations for detention basin construction; environmental sampling and analysis tasks, including soil and groundwater sample collection and handling; and expert testimony preparation. He has conducted rare species habitat assessments for the eastern box turtle, wood turtle, Blanding's turtle, spotted turtle, and marbled salamander. He has participated in rare species studies for rare species including the marbled salamander, piping plover, eastern box turtle, and northern diamondback terrapin and developed mitigation strategies for the marbled salamander, spotted turtle, eastern box turtle and wood turtle. He has participated in visual preconstruction sweeps for the wood turtle and both preconstruction and research projects for the eastern box turtle. He has served as a consultant to municipalities, conservation commissions, engineering and survey firms. He has completed numerous wetland related projects including environmental impact assessments for proposed development, erosion control and environmental monitoring for subdivisions, commercial developments, golf courses and landfills. He has prepared Massachusetts Environmental Policy Act (MEPA) documentation, including Environmental Notification Forms (ENFs), Notice of Project Changes (NPCs), and Draft and Final Environmental Impact Reports (EIRs) including Green House Gas Assessments for various projects including subdivisions, commercial buildings, and dredging projects. Prior to joining EcoTec, Inc. Mr. Morrison worked for the Massachusetts Department of Environmental Management (currently the Department of Conservation and Recreation) where he was involved with the monitoring and protection of endangered species and rare old growth forest. He was an active member of the Spencer Conservation Commission from 1998 to 2000 where he provided oversight of proposed wetland replication projects and review of projects submitted for wetland permitting. His educational background includes courses in forestry, ecology, chemistry, soils, and natural resource policy. His prior research experience includes research on forest succession and field research on nesting piping plovers, an endangered coastal shore bird.

Education:

Graduate Soil Science Certificate Program
University of Massachusetts at Amherst, 2006
Bachelor of Science: Natural Resource Studies
University of Massachusetts at Amherst, 1998
Associate of Science: Business Administration
Quinsigamond Community College, 1996

Professional Affiliations:

Registered Professional Soil Scientist, Society of Soil Scientists of
Southern New England (SSSSNE)
Massachusetts Association of Conservation Commissioners
Association of Massachusetts Wetland Scientists
Society of Wetland Scientists
Society for Ecological Restoration-

Certifications:

Society of Wetlands Scientists Professional Wetland Scientist,
Certification Number 2583
Massachusetts Department of Environmental Protection Soil Evaluator,
Certification Number SE 13766
Society for Ecological Restoration-Certified Ecological Restoration Practitioner
Certification Number 0648
OSHA Health and Safety Training, 40-Hour, 29 CFR 1910.120
University of Massachusetts Extension, Invasive Species Management

USGS Topographic Mapping
Leicester Quadrangle, 1979,
Scale: 1:25,000, Metric

approximate site
locus

211 Baldwin Street, Leicester, NHESP



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

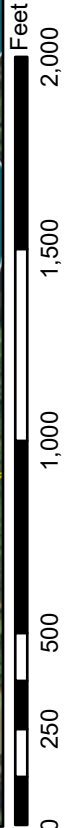
Natural Heritage Atlas
Online Data Viewer,
15th edition, valid
August 1, 2021
created: 6/29/2023
211 Baldwin Street,
Leicester

approx. site
locus

National Flood Hazard Layer FIRMette



71°56'37"W 42°12'17"N



71°56'W 42°11'50"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth
Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
Zone X
- Future Conditions 1% Annual Chance Flood Hazard
Zone X
- Area with Reduced Flood Risk due to Levee. See Notes.
Zone X
- Area with Flood Risk due to Levee
Zone D

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard
Zone X
- Effective LOMRS
- Area of Undetermined Flood Hazard
Zone D
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

OTHER FEATURES

- Digital Data Available
- No Digital Data Available
- Unmapped

MAP PANELS

- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **6/30/2023 at 12:46 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 211 Baldwin St City/Town: leicester Sampling Date: 6/30/23
 Applicant/Owner: _____ Sampling Point or Zone: Upland
 Investigator(s): Scott Morrison Latitude / Longitude: _____
 Soil Map Unit Name: Montauk NWI or DEP Classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? (If yes, explain in Remarks)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.

Wetland vegetation criterion met?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soils criterion met?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetlands hydrology present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks, Photo Details, Flagging, etc.:			

HYDROLOGY

Field Observations:		
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches) _____
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches) _____
Saturation Present (including capillary fringe)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches) _____
Wetland Hydrology Indicators		
Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water
<input type="checkbox"/> Water-stained leaves <input type="checkbox"/> Evidence of aquatic fauna <input type="checkbox"/> Iron deposits <input type="checkbox"/> Algal mats or crusts <input type="checkbox"/> Oxidized rhizospheres/pore linings <input type="checkbox"/> Thin muck surfaces <input type="checkbox"/> Plants with air-filled tissue (aerenchyma) <input type="checkbox"/> Plants with polymorphic leaves <input type="checkbox"/> Plants with floating leaves <input type="checkbox"/> Hydrogen sulfide odor	<input type="checkbox"/> Hydrological records <input type="checkbox"/> Free water in a soil test hole <input type="checkbox"/> Saturated soil <input type="checkbox"/> Water marks <input type="checkbox"/> Moss trim lines <input type="checkbox"/> Presence of reduced iron <input type="checkbox"/> Woody plants with adventitious roots <input type="checkbox"/> Trees with shallow root systems <input type="checkbox"/> Woody plants with enlarged lenticels	<input type="checkbox"/> Direct observation of inundation <input type="checkbox"/> Drainage patterns <input type="checkbox"/> Drift lines <input type="checkbox"/> Scoured areas <input type="checkbox"/> Sediment deposits <input type="checkbox"/> Surface soil cracks <input type="checkbox"/> Sparsely vegetated concave surface <input type="checkbox"/> Microtopographic relief <input type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)
Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):		

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

VEGETATION – Use both common and scientific names of plants.

<u>Tree Stratum</u>		Plot size <u>30' Radius</u>		Indicator Status	Absolute/ Relative % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name*	Scientific name						
1. white pine	<i>Pinus strobus</i>	FACU	60	Yes	No		
2. red maple	<i>Acer rubrum</i>	FAC	20	Yes	Yes		
3. red oak	<i>Quercus borealis</i>	FACU-	20	Yes	No		
4.							
5.							
6.							
7.							
8.							
9.							
<u>100</u> = Total Absolute Cover							
<u>Shrub/Sapling Stratum</u>		Plot size <u>15' Radius</u>		Indicator Status	Absolute/ Relative % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name*	Scientific name						
1. mountain laurel	<i>Kalmia latifolia</i>	FACU	60	Yes	No		
2. witch-hazel	<i>Hamamelis virginiana</i>	FAC-	20	Yes	No		
3.							
4.							
5.							
6.							
7.							
8.							
9.							
<u>80</u> = Total Absolute Cover							
<u>Herb Stratum</u>		Plot size <u>5' Radius</u>		Indicator Status	Absolute/ Relative % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name*	Scientific name						
1. wild sarsaparilla	<i>Aralia nudicaulis</i>	FACU	30	Yes	No		
2. starflower	<i>Trientalis borealis</i>	FAC	20	Yes	Yes		
3. witch-hazel	<i>Hamamelis virginiana</i>	FAC-	10	No	No		
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
<u>60</u> = Total Absolute Cover							

* 1988 Plant List

VEGETATION – continued.

<u>Woody Vine Stratum</u>		Plot size <u>30' Radius</u>			
Common name*	Scientific name	Indicator Status	Absolute/ Relative % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1.					
2.					
3.					
4.					
			_____ = Total Absolute Cover		

* 1988 Plant List

Rapid Test: Do all dominant species have an indicator status of OBL or FACW?				Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants		Do wetland indicator plants make up ≥ 50% of dominant plant species?	
				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result	
	OBL species		X 1	= 0.0	
	FACW species		X 2	= 0.0	
	FAC species		X 3	= 0.0	
	FACU species		X 4	= 0.0	
	UPL species		X 5	= 0.0	
	Column Totals	(A) 0.0		(B) 0.0	
Prevalence Index		B/A = 0.0		Is the Prevalence Index ≤ 3.0?	
				Yes <input type="checkbox"/> No <input type="checkbox"/>	
Wetland vegetation criterion met? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

Definitions of Vegetation Strata

- Tree - Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height
- Shrub / Sapling - Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall
- Herb - All herbaceous (non-woody plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall
- Woody vines - All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)								
Horizon/ Depth	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Location ²		
A/0-4	10YR 3/2						fsl	
Bw/4-16	10YR 4/4						stony, fsl	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains

²Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators (Check all that apply)		Indicators for Problematic Hydric Soils
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Polyvalue Below Surface (S8)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Dark Surface (S7)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Polyvalue Below Surface (S8)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Thin Dark Surface (S9)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Redox Dark Surface (F7)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Dark Surface (F8)	<input type="checkbox"/> Mesic Spodic (A17)
<input type="checkbox"/> Sandy Mucky Mineral (S1)		<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Sandy Gleyed Matrix (S4)		<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Sandy Redox (S5)		<input type="checkbox"/> Other (Include Explanation in Remarks)
<input type="checkbox"/> Stripped Matrix (S6)		
<input type="checkbox"/> Dark Surface (S7)		

Restrictive Layer (if observed) Type: _____

Depth (inches): _____

Remarks:

Hydric Soils criterion met? Yes ☐ No ☒

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 211 Baldwin Street City/Town: Leicester Sampling Date: 6/30/23
 Applicant/Owner: _____ Sampling Point or Zone: Wetland
 Investigator(s): Scott Morrison Latitude / Longitude: _____
 Soil Map Unit Name: Montauk NWI or DEP Classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? (If yes, explain in Remarks)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc.

Wetland vegetation criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soils criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Wetlands hydrology present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Remarks, Photo Details, Flagging, etc.:			

HYDROLOGY

Field Observations:			
Surface Water Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (inches) _____
Water Table Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Depth (inches) <u>0</u>
Saturation Present (including capillary fringe)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Depth (inches) <u>0</u>
Wetland Hydrology Indicators			
Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water	
<input checked="" type="checkbox"/> Water-stained leaves <input type="checkbox"/> Evidence of aquatic fauna <input type="checkbox"/> Iron deposits <input type="checkbox"/> Algal mats or crusts <input type="checkbox"/> Oxidized rhizospheres/pore linings <input type="checkbox"/> Thin muck surfaces <input type="checkbox"/> Plants with air-filled tissue (aerenchyma) <input type="checkbox"/> Plants with polymorphic leaves <input type="checkbox"/> Plants with floating leaves <input type="checkbox"/> Hydrogen sulfide odor	<input type="checkbox"/> Hydrological records <input type="checkbox"/> Free water in a soil test hole <input type="checkbox"/> Saturated soil <input type="checkbox"/> Water marks <input type="checkbox"/> Moss trim lines <input type="checkbox"/> Presence of reduced iron <input type="checkbox"/> Woody plants with adventitious roots <input type="checkbox"/> Trees with shallow root systems <input type="checkbox"/> Woody plants with enlarged lenticels	<input type="checkbox"/> Direct observation of inundation <input type="checkbox"/> Drainage patterns <input type="checkbox"/> Drift lines <input type="checkbox"/> Scoured areas <input type="checkbox"/> Sediment deposits <input type="checkbox"/> Surface soil cracks <input type="checkbox"/> Sparsely vegetated concave surface <input type="checkbox"/> Microtopographic relief <input type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)	
Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):			

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

VEGETATION – Use both common and scientific names of plants.

<u>Tree Stratum</u>		Plot size <u>30' Radius</u>		Indicator Status	Absolute/ Relative % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name*	Scientific name						
1. white pine	<i>Pinus strobus</i>	FACU	60	Yes	No		
2. red maple	<i>Acer rubrum</i>	FAC	40	Yes	Yes		
3.							
4.							
5.							
6.							
7.							
8.							
9.							
			100 = Total Absolute Cover				
<u>Shrub/Sapling Stratum</u>		Plot size <u>15' Radius</u>		Indicator Status	Absolute/ Relative % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name*	Scientific name						
1. fetherbush	<i>Leucothoe racemosa</i>	FACW	40	Yes	Yes		
2. highbush blueberry	<i>Vaccinium corymbosum</i>	FACW	20	Yes	Yes		
3. winterberry	<i>Ilex verticillata</i>	FACW	20	Yes	Yes		
4. mountain laurel	<i>Kalmia latifolia</i>	FACU	20	Yes	No		
5.							
6.							
7.							
8.							
9.							
			100 = Total Absolute Cover				
<u>Herb Stratum</u>		Plot size <u>5' Radius</u>		Indicator Status	Absolute/ Relative % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name*	Scientific name						
1. lurid sedge	<i>Carex lurida</i>	OBL	20	Yes	Yes		
2. marsh fern	<i>Thelypteris thelypteroides</i>	FACW+	20	Yes	Yes		
3. sphagnum	<i>Sphagnum sp.</i>	OBL	20	Yes	Yes		
4. tussock sedge	<i>Carex stricta</i>	OBL	20	Yes	Yes		
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
			80 = Total Absolute Cover				

* 1988 Plant List

VEGETATION – continued.

<u>Woody Vine Stratum</u>		Plot size <u>30' Radius</u>			
Common name*		Scientific name	Indicator Status	Absolute/ Dominant? Relative % (yes/no) Cover	Wetland Indicator? (yes/no)
1.					
2.					
3.					
4.					
					_____ = Total Absolute Cover

* 1988 Plant List

Rapid Test: Do all dominant species have an indicator status of OBL or FACW?				Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants		Do wetland indicator plants make up ≥ 50% of dominant plant species?	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result	
	OBL species		X 1	= 0.0	
	FACW species		X 2	= 0.0	
	FAC species		X 3	= 0.0	
	FACU species		X 4	= 0.0	
	UPL species		X 5	= 0.0	
	Column Totals	(A) 0.0		(B) 0.0	
Prevalence Index		B/A = 0.0		Is the Prevalence Index ≤ 3.0?	
				Yes <input type="checkbox"/> No <input type="checkbox"/>	
Wetland vegetation criterion met?			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

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Cover Ranges	
Range	Midpoint
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26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains ²Location: PL=Pore Lining, M=Matrix

Restrictive Layer (if observed) Type: _____ Depth (inches): _____

Remarks:

Hydric Soils criterion met?

Yes ☒ No ☐