



EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES

100 Grove Street, Suite 203

Worcester, MA 01605-2629

508-752-9666 / www.ecotecinc.com

August 5, 2025

Ashland Conservation Commission
101 Main Street
Ashland, MA 01721

Re: 16 Sudbury Road, Ashland, MA

Subject: Notice of Intent

Dear Commission Members:

Enclosed please find two (2) copies of a Notice of Intent (“NOI”) and site plans submitted on behalf of the Applicant: Guy Richard Loguidice, Jr. This NOI is filed under the Massachusetts Wetlands Protection Act and the Ashland Wetland Bylaw for the above-referenced property.

A copy of this filing has been submitted electronically to the Department of Environmental Protection. One copy of this filing has also been provided to the property owner. A certified abutters list is attached and abutters will be notified upon receipt of public hearing information. Certified Mail receipts will be provided.

The project consists of demolition of an existing deck and replacement with an enclosed porch and a new deck. The work is associated with an existing, single-family home and will occur in an existing lawn area. The addition will be constructed on helical pilings with no excavation or grading proposed. The work is outside the 100-foot wetland buffer zone but within the Outer Riparian Zone. A staked straw wattle barrier will be provided at the limit of work until the disturbed area is stabilized. Access will be over a designated lawn area that will be restored to lawn following construction, as necessary. Construction staging will be on the existing driveway and the driveway will be swept and cleaned daily, as necessary.

The following attachments are included within this package:

- eDEP WPA Notice of Intent Form 3 w/ Fee Transmittal Form;
- Local Fee Calculation Worksheet;
- Certified Abutters List;
- EcoTec Wetland Evaluation Report with locus maps and DEP Wetland Data Forms;
- Site Plan by M.A. Elbag Engineering (1 sheet, dated July 31, 2025);
- Loguidice Residence – New Porch & Deck (Architectural Plans, 10 sheets).

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
Senior Environmental Scientist

AA/NOI/Ashland 16 Sudbury NOI Cover

Town of Ashland Conservation Commission

16 Subury Road NOI

LOCAL FILING FEE CALCULATION WORKSHEET

1. NOTICE OF INTENT (NOI)

C1: Work on Existing Single Family Lot \$110.00 X
This includes pools, additions, etc.

C2: Construction of Single Family House, Crossings for Driveways, etc. \$500.00

C3: Commercial Building, Road Construction, etc. \$1050.00

C4: Crossings for Development or Commercial Road, Bridge, etc. \$1450.00

C5: Work on Docks, Piers, Dikes, or other Engineering Structures in inland resource areas *\$4=
Linear Feet

C6: Resource Area Delineation Review *\$2=
Includes boundary delineations for vegetated wetlands as part of a permit application (ANRAD/ RDA with delineations/ NOI with delineations)
Linear Feet

*single family lots limited to \$200;
\$2000 limit for all others

All NOIs add 50% of the fee for work in Riverfront Area 110 *\$0.5= 165
Above Fee

2. STORMWATER MANAGEMENT PERMIT

Basic Residential Application \$100.00

Application for Residential Subdivision or Multifamily Development \$500.00

Commercial Application \$750.00

Notice of Completion for Non-Basic Residential \$150.00

Permit Extension \$150.00

True Copy Attest \$50.00 _____

Re-Inspection \$50.00 _____

3. OTHER PERMITS AND APPLICATIONS

Request for Determination of Applicability \$125.00 _____
Without boundary delineation

Request for Permit Extension \$100.00 _____
Not for Stormwater Management Permits

Amended Notice of Intent SEE NOI _____
Significant Revisions

Certificate of Compliance Single Family Lots \$100.00 _____
Without boundary delineation All Other Projects \$250.00 _____

Reissuance/ True Copy Attest \$50.00 _____
Not for Stormwater Management Permits

6. FILING FEE CALCULATION

Town Share of State Fees (See NOI Wetland Fee Transmittal Form) **(Check No. 1)** \$ 95

Local Filing Fee Calculated Above (Check No.2) \$ 165

State Share of Filing Fee (See NOI Wetland Fee Transmittal Form)

TOTAL Due DEP (Check No. 3) \$ 70

7. ADVERTISING FEE (Paid by phone to newspaper) TBD

The fee will be the exact amount the newspaper charges for that specific advertisement. Once the advertisement is placed with the paper by the Conservation Commission, the applicant will be notified of the cost and will be expected to contact the newspaper for payment within the specified deadline.

July 28, 2025

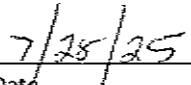
To The Conservation Commission
16 Sudbury Road
Guy Richard Jr. and Andrea Loguidice
Abutters To Map 14 Parcel 1

PARCEL ID	PARCEL ADDRESS	OWNER NAME 1	OWNER NAME 2	MAILING ADDRESS	CITY/TOWN	STATE	ZIP
014/013.0-0039-0000.0	0 SUDBURY RD	TOWN OF ASHLAND		101 MAIN ST	ASHLAND	MA	01721
014/013.0-0046-0000.0	20 SUDBURY RD	BERDELL RUTH A QUIN		20 SUDBURY RD	ASHLAND	MA	01721
014/013.0-0047-0000.0	0 MYRTLE ST	COMM OF MASS - MDC	HEADQUARTERS BLDG	20 SOMERSET	BOSTON	MA	02108
014/013.0-0174-0000.0	19 SUDBURY RD	LAVIDOR SHARI D		19 SUDBURY RD	ASHLAND	MA	01721
014/013.0-0175-0000.1	13 BIRCH LN	GONCALVES ELIAS M	ALICE C GONCALVES	13 BIRCH LN	ASHLAND	MA	01721
014/013.0-0175-0000.2	11 BIRCH LN	GONCALVES EUSEBIO M	ISABEL ALVES GONCALVES	11 BIRCH LN	ASHLAND	MA	01721
014/014.0-0002-0000.0	10 BIRCH LN	ELICONE PAUL	KATE ELICONE	10 BIRCH LN	ASHLAND	MA	01721

The above reflects the latest information available on our records.



Terry Capen
Senior Clerk



Date



Massachusetts Department of Environmental Protection

eDEP Transaction Copy

Here is the file you requested for your records.

To retain a copy of this file you must save and/or print.

Username: **ART3ALLEN**

Transaction ID: **1921130**

Document: **WPA Form 3 - NOI**

Size of File: **274.42K**

Status of Transaction: **In Process**

Date and Time Created: **8/5/2025:3:23:34 PM**

Note: This file only includes forms that were part of your transaction as of the date and time indicated above. If you need a more current copy of your transaction, return to eDEP and select to "Download a Copy" from the Current Submittals page.



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 #:
eDEP Transaction #:1921130
City/Town:ASHLAND

A.General Information

1. Project Location:

a. Street Address	16 SUDBURY ROAD		
b. City/Town	ASHLAND	c. Zip Code	01721
d. Latitude	42.26477N	e. Longitude	71.46901W
f. Map/Plat #	14	g.Parcel/Lot #	1

2. Applicant:

Individual Organization

a. First Name	GUY RICHARD	b.Last Name	LOGUIDICE, JR.
c. Organization			
d. Mailing Address	16 SUDBURY ROAD		
e. City/Town	ASHLAND	f. State	MA
g. Zip Code	01721		
h. Phone Number	603-401-2308	i. Fax	
j. Email	rloguidice@denronhall.com		

3.Property Owner:

more than one owner

a. First Name	GUY RICHARD	b. Last Name	LOGUIDICE, JR.
c. Organization			
d. Mailing Address	16 SUDBURY ROAD		
e. City/Town	ASHLAND	f.State	MA
g. Zip Code	01721		
h. Phone Number	603-401-2308	i. Fax	
j.Email	rloguidice@denronhall.com		

4.Representative:

a. First Name	ARTHUR	b. Last Name	ALLEN
c. Organization	ECOTEC, INC.		
d. Mailing Address	100 GROVE STREET, SUITE 203		
e. City/Town	WORCESTER	f. State	MA
g. Zip Code	01605		
h.Phone Number	508-752-9666	i.Fax	
j.Email	aallen@ecotecinc.com		

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

a.Total Fee Paid	165.00	b.State Fee Paid	70.00	c.City/Town Fee Paid	95.00
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6.General Project Description:

DEMOLITION OF A DECK AND ADDITION OF AN ENCLOSED PORCH AND NEW DECK. ADDITION TO BE BUILT ON HELICAL PILINGS WITHIN AN EXISTING LAWN AREA.

7a.Project Type:

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input type="checkbox"/> Other |

7b.Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310



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CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project:
2. Limited Project

8. Property recorded at the Registry of Deeds for:

a. County:	b. Certificate:	c. Book:	d. Page:
SOUTHERN MIDDLESEX		70113	452

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

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

This is a Buffer Zone only project - 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)

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	2. square feet
	3. cubic yards dredged	
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 checked="" type="checkbox"/> Riverfront Area	Sudbury River	
	1. Name of Waterway (if any)	
2. Width of Riverfront Area (check one)	<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only <input type="checkbox"/> 100 ft. - New agricultural projects only <input checked="" type="checkbox"/> 200 ft. - All other projects	
3. Total area of Riverfront Area on the site of the proposed project		30320 square feet
4. Proposed Alteration of the Riverfront Area:		
1005	0	1005
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.



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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)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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 Beaches	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
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, crea.
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

Restoration/Replacement

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 entered the additional amount here.

- a. square feet of BVW b. square feet of Salt Marsh

5.Projects Involves Stream Crossings

Project Involves Streams Crossings



Massachusetts Department of Environmental Protection

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If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

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 of Endangered Species program (NHESP)?

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

b. Date of map:FROM MAP VIEWER

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

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

3. Project plans for entire project site, including wetland resource areas and areas outside of wetland 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

c. MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" 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

d. 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, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; 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 Number

b. Date submitted to NHESP



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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City/Town:ASHLAND

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

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

- 2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?
 - a. Not applicable - project is in inland resource area only
 - b. Yes No

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

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

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 S. Rodney French Blvd
New Bedford, MA 02744

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it 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.

- 3. 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 DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

- 4. 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

- 5. 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

- 6. 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, Explain why the project is exempt:

1. Single Family Home

2. Emergency Road Repair



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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

Provided by MassDEP:
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City/Town:ASHLAND

- 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

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 by regular mail delivery.

- 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.
- 3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s).
- 4. List the titles and dates for all plans and other materials submitted with this NOI.

a. Plan Title:	b. Plan Prepared By:	c. Plan Signed/Stamped By:	c. Revised Final Date:	e. Scale:
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LOGUIDICE
RESIDENCE - NEW
PORCH & DECK
(ARCHITECTURAL
PLANS)

CHRIS ADCOCK
ARCHITECTURE

April 16, 2025

SITE PLAN
WETLAND
EVALUATION
REPORT W/ DEP DATA CPSS
FORMS

MARK A. ELBAG, PE

July 31, 2025

ARTHUR ALLEN,

May 2, 2025

- 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.



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 #:
eDEP Transaction #:1921130
City/Town:ASHLAND

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:

2. Municipal Check Number	3. Check date
4. State Check Number	5. Check date
6. Payer name on check: First Name	7. Payer name on check: Last Name

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
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 Section C, Items 1-3, 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
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Wetland Fee Transmittal
Form

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

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1921130
 City/Town:ASHLAND

A. Applicant Information

1. Applicant:

a. First Name	GUY RICHARD	b. Last Name	LOGUIDICE, JR.
c. Organization			
d. Mailing Address	16 SUDBURY ROAD		
e. City/Town	ASHLAND	f. State	MA
g. Zip Code	01721		
h. Phone Number	6034012308	i. Fax	
j. Email	rloguidice@denronhall.com		

2. Property Owner:(if different)

a. First Name	GUY RICHARD	b. Last Name	LOGUIDICE, JR.
c. Organization			
d. Mailing Address	16 SUDBURY ROAD		
e. City/Town	ASHLAND	f. State	MA
g. Zip Code	01721		
h. Phone Number	6034012308	i. Fax	
j. Email	rloguidice@denronhall.com		

3. Project Location:

a. Street Address	16 SUDBURY ROAD	b. City/Town	ASHLAND
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Are you exempted from Fee? (YOU HAVE SELECTED 'NO')

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
A.) WORK ON SINGLE FAMILY LOT; ADDITION, POOL, ETC.;	1	110.00	RFA MULTIPLIER 1.5	165.00
	City/Town share of filing fee	\$95.00	State share of filing fee	\$70.00
			Total Project Fee	\$165.00

EcoTec, Inc.
ENVIRONMENTAL CONSULTING SERVICES
100 Grove Street, Suite 203
Worcester, MA 01605-2629
508-752-9666 / www.ecotecinc.com

May 2, 2025

Guy Richard Loguidice
16 Sudbury Road
Ashland, MA 01721

RE: Wetland Resource Evaluation, 16 Sudbury Road, Ashland, MA

Dear Mr. Loguidice:

On April 17, 2025, 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”); and (2) the U.S. Clean Water Act (i.e., Section 404 and 401 wetlands). Arthur Allen, CPSS conducted the inspection.

The subject site consists of a 1-acre parcel located on the southeast side of Sudbury Road, approximately 100 feet southwest of the intersection between Birch Hill Road and Sudbury Road. The upland portions of the site are developed with a single-family home, driveway and lawn. There is a wooded area between the developed area and Mill Pond. 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 was delineated in the field in accordance with the definition set forth in the regulations at 310 CMR 10.55(2)(c). 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.” The methodology used to delineate Bordering Vegetated Wetlands is further described in *Massachusetts Handbook for Delineation of Bordering Vegetated Wetlands*, Second Edition, produced by the Massachusetts Department of Environmental Protection, dated September 2022. As recommended by the Department, the plant taxonomy used in this letter 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 wetland jurisdiction was reviewed in reference to the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0). Federal wetlands were presumed to have boundaries conterminous with the delineated Bordering Vegetated Wetlands and Bank. One set of *Bordering Vegetated Wetland Determination Forms* completed for observation plots located in the wetlands and uplands near flag W-3 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
W-1 to W-4 (W-1 connects to S-12 & W-4 connects between S-10 & S-11)	Blue Flags	Bordering Vegetated Wetlands on a low terrace associated with Mill Pond (an impoundment of the Sudbury River).
S-1 to S-18	Red Flags	Mean Annual High Water Line of Mill Pond (an impoundment of the Sudbury River).

Findings

Wetland W consists of a a wet lawn and wooded swamp fringe located to the east, within 100-feet, of 16 Sudbury Road. Plant species observed include red maple (*Acer rubrum*) trees and/or saplings; poison ivy (*Toxicodendron radicans*) climbing woody vines; highbush blueberry (*Vaccinium corymbosum*), sweet pepperbush (*Clethra alnifolia*) shrubs; and bristly blackberry (*Rubus hispιδus*), cinnamon fern (*Osmunda cinnamomea*), sensitive fern (*Onoclea sensibilis*), skunk-cabbage (*Symplocarpus foetidus*) and spotted touch-me-not (*Impatiens capensis*) ground cover. Evidence of wetland hydrology, including hydric soils, high groundwater, saturated soils, pore linings, evidence of flooding, and drainage patterns, was observed within the delineated wetland. This vegetated wetland borders a pond and a perennial stream; accordingly, the vegetated wetlands would be regulated as Bordering Vegetated Wetlands and the pond/stream would be regulated as Bank and Land Under Water Bodies and Waterways under the Act. A 100-foot Buffer Zone extends horizontally outward from the edge of Bordering Vegetated Wetlands and Bank under the Act.

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.” The project engineer should evaluate the most recent National Flood Insurance Program flood profile data to determine the location and elevation of Bordering Land Subject to Flooding 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 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), the perennial Sudbury River flows through Mill Pond adjacent to the site. The Sudbury River is listed in the Act Regulations as a Major River. The entire length and width to the mean annual high-water line of major rivers are considered to be rivers. Therefore, Riverfront Area is presumed to extend 200 feet horizontally upgradient from the mean annual high-water line of Mill Pond. Section 10.58(2)(a)2. states that the “Mean annual high-water line of a river is the line that is apparent from visible markings or changes in the character of soils or vegetation due to prolonged presence of water and that distinguishes between predominantly aquatic and predominantly terrestrial land. Field indicators of bankfull conditions shall

be used to determine the mean annual high-water line. Bankfull field indicators include but are not limited to: changes in slope, changes in vegetation, stain lines, top of pointbars, changes in bank materials, or bank undercuts.” Section 10.58(2)(a)2.a. states that “In most rivers, the first observable break in slope is coincident with bankfull conditions and the mean annual high-water line.” The mean annual high-water line of Mill Pond was delineated in the field with red flags S-1 to S-18 based upon the above-referenced regulation. Accordingly, except as noted above, Riverfront Area would not occur on the site. Riverfront Area does not have a Buffer Zone under the Act, but may overlap other wetland resources and their Buffer Zones.

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.

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, appearing to read 'Arthur Allen', is written over a faint circular stamp.

Arthur Allen, CWS, CPSS
Vice President

Attachments (5, 12 pages)

AA/Wetland/Ashland 16 Sudbury Wetland Report



EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES

100 Grove Street, Suite 203

Worcester, MA 01605-2629

508-752-9666 / www.ecotecinc.com

Arthur Allen, ASE, CPSS, CESSWI
Vice President
Soil & Wetland Scientist

Arthur Allen is the Vice President of EcoTec, Inc. and has been a senior environmental scientist there since 1995. His work with EcoTec has involved wetland delineation, wildlife habitat evaluation, environmental permitting (federal, state and local), environmental monitoring, expert testimony, peer reviews, contaminated site assessment and the description, mapping and interpretation of soils. His clients have included private landowners, developers, major corporations and regulatory agencies. Prior to joining EcoTec, Mr. Allen mapped and interpreted soils in Franklin County, MA for the U.S.D.A. Natural Resources Conservation Service (formerly Soil Conservation Service) and was a research soil scientist at Harvard University's Harvard Forest. Since 1994, Mr. Allen has assisted the Massachusetts Department of Environmental Protection and the Massachusetts Association of Conservation Commissions as an instructor in the interpretation of soils for wetland delineation and for the Title V Soil Evaluator program.

Mr. Allen has a civil service rating as a soil scientist, an undergraduate degree in Natural Resource Studies and a graduate certificate in Soil Studies. His work on the Franklin County soil survey involved interpretation of landscape-soil-water relationships, classifying soils and drainage, and determining use and limitation of the soil units that he delineated. As a soil scientist at the Harvard Forest, Mr. Allen was involved in identifying the legacies of historical land-use in modern soil and vegetation at a number of study sites across southern New England. He has a working knowledge of the chemical and physical properties of soil and water and how these properties interact with the plants that grow on a given site. While at Harvard Forest he authored and presented several papers describing his research results which were later published. In addition to his aforementioned experience, Mr. Allen was previously employed by the Trustees of Reservations as a land manager and by the Town of North Andover, MA as a conservation commission intern.

Education:

1993-Graduate Certificate in Soil Studies, University of New Hampshire

1982-Bachelor of Science in Natural Resource Studies, University of Massachusetts

2023-Connecticut DEEP Municipal Inland Wetlands Agency Comprehensive Training Program

Professional Affiliations:

Certified Professional Soil Scientist (ARCPACS CPSS #22529)

Registered Professional Soil Scientist – Society of Soil Scientists of SNE [Board Member (2000-2006)]

Certified Erosion, Sediment & Stormwater Inspector (#965)

Massachusetts Approved Soil Evaluator (#13764)

Massachusetts Arborists Association-Certified Arborist (1982 – 1998)

Soil Science Society of Southern New England – board member

New England Hydric Soils Technical Committee - member

Massachusetts Association of Conservation Commissions member

International Erosion Control Association, New England Chapter – board member

Refereed Publications:

Soil Science and Survey at Harvard Forest. A.Allen. In: Soil Survey Horizons. Vol. 36, No. 4, 1995, pp. 133-142.

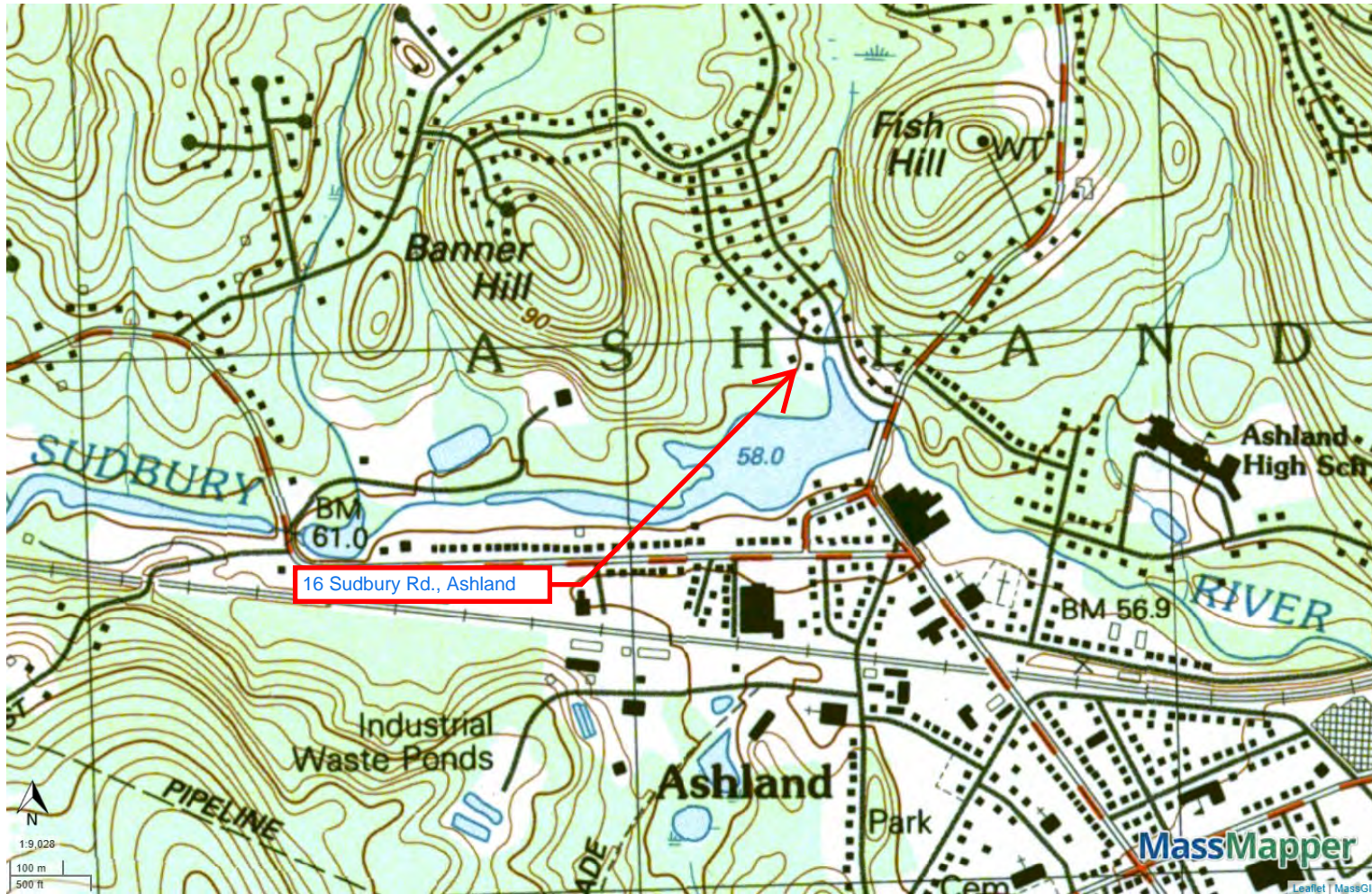
Controlling Site to Evaluate History: Vegetation Patterns of a New England Sand Plain. G.Motzkin, D.Foster,

A.Allen, J.Harrold, & R.Boone. In: Ecological Monographs 66(3), 1996, pp. 345-365.

Vegetation Patterns in Heterogeneous Landscapes: The Importance of History and Environment. G.Motzkin,

P.Wilson, D.R.Foster & A.Allen. In: Journal of Vegetation Science 10, 1999, pp. 903-920.

16 Sudbury USGS

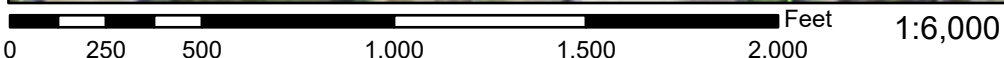
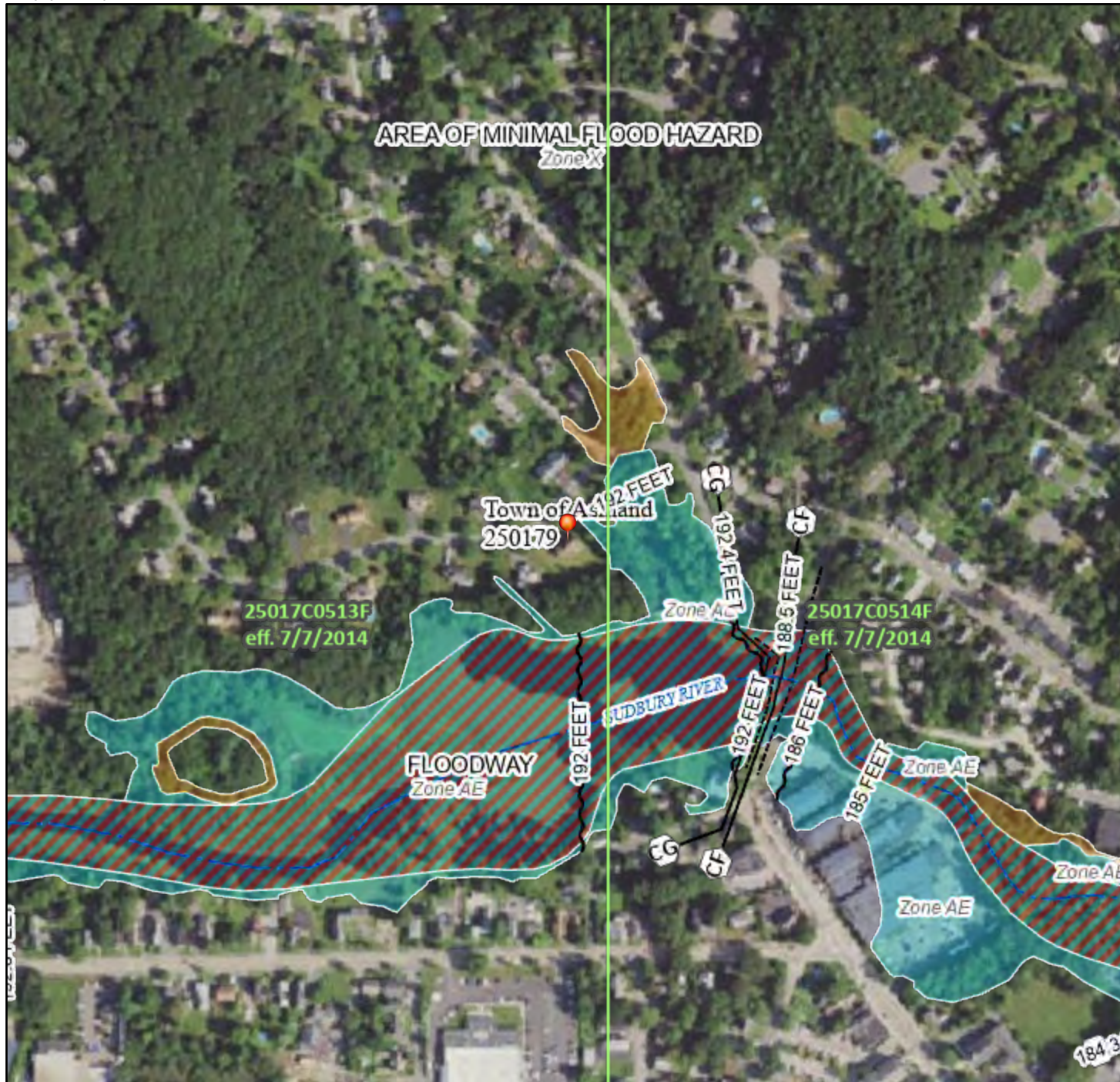


USGS Topographic Maps
Property Tax Parcels

National Flood Hazard Layer FIRMMette



71°28'28"W 42°16'7"N



71°27'50"W 42°15'40"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)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | 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 <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | 8 Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| MAP PANELS | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
| | | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. |

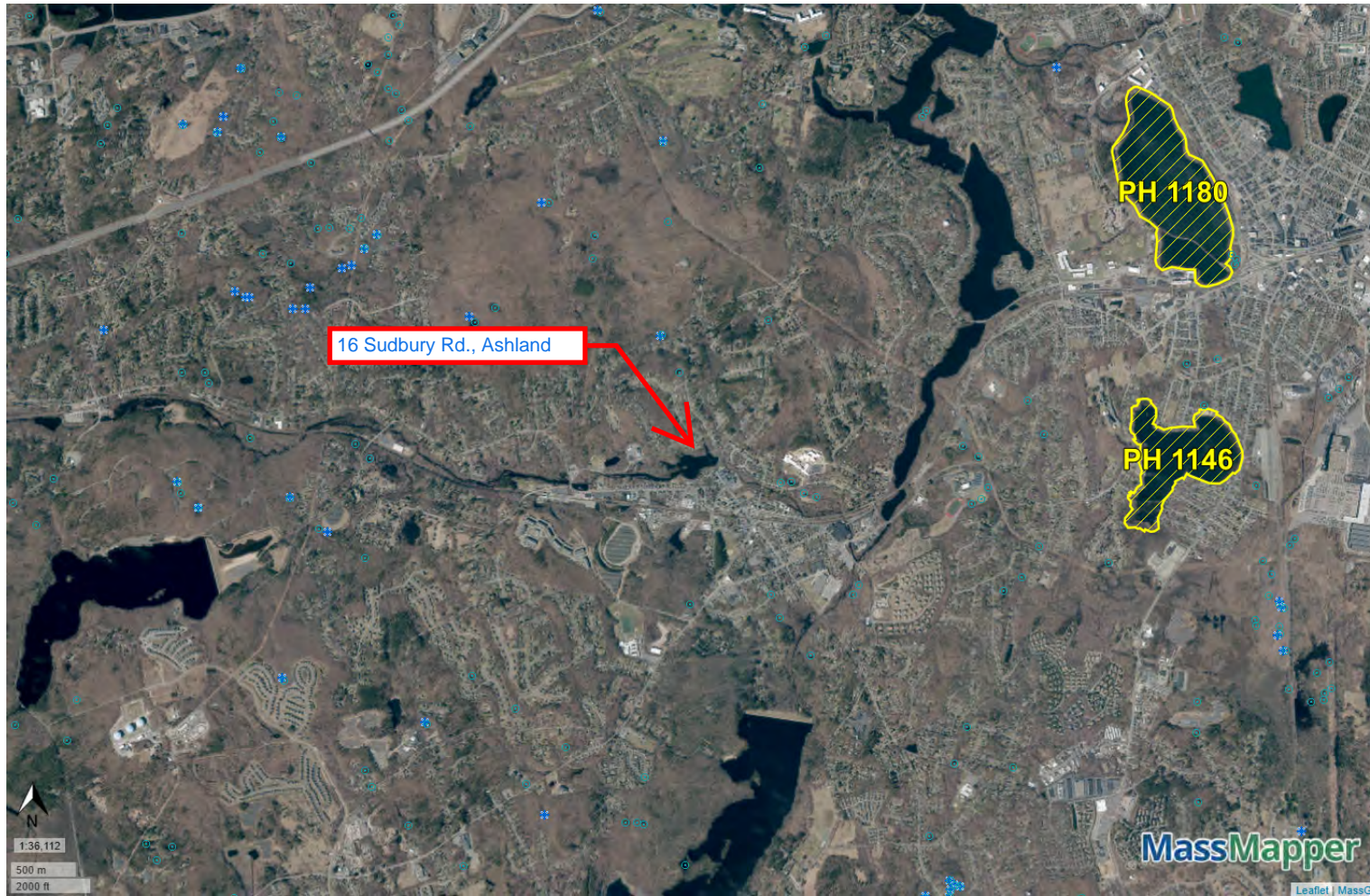


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **4/16/2025 at 2:58 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.

16 Sudbury NHESP



Potential Vernal Pools



NHESP Priority Habitats of Rare Species



NHESP Estimated Habitats of Rare Wildlife



NHESP Certified Vernal Pools



2023 Aerial Imagery

Property Tax Parcels

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 16 Sudbury Road City/Town: Ashland Sampling Date: 4/17/2025
 Applicant/Owner: Guy R. Loguidice Sampling Point or Zone: TPU@W3
 Investigator(s): Arthur Allen, EcoTec, Inc. Latitude / Longitude: 42.264792 / -71.469116
 Soil Map Unit Name: Sudbury 260B NWI or DEP Classification: n/a

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.: Some portions of the upland buffers have been historically disturbed by clearing and conversion to lawn.			

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 <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	Indicators that can be Reliable with Proper Interpretation <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	Indicators of the Influence of Water <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 foot diameter</u>				
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)	
Common name		Scientific name				
1.	Sasafras	Sasafras albidum	FACU	50.0	Yes	No
2.	Red Maple	Acer rubrum	FAC	40.0	Yes	Yes
3.	Red Oak	Quercus rubra	FACU	10.0	No	No
4.						
5.						
6.						
7.						
8.						
9.						
<u>100.0</u> = Total Cover						
<u>Shrub/Sapling Stratum</u>		Plot size <u>15-foot diameter</u>				
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)	
Common name		Scientific name				
1.	Glossy Buckthorn	Rhamnus cathartica	FAC	30.0	Yes	Yes
2.	Sasafras	Sasafras albidum	FACU	10.0	Yes	No
3.	Multi-Flora Rose	Rosa multiflora	FACU	10.0	Yes	No
4.	White Oak	Quercus alba	FACU	5.0	No	No
5.						
6.						
7.						
8.						
9.						
<u>55.0</u> = Total Cover						
<u>Herb Stratum</u>		Plot size <u>5 foot diameter</u>				
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)	
Common name		Scientific name				
1.	none					
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
<u>0.0</u> = Total Cover						

VEGETATION – continued.

<u>Woody Vine Stratum</u>		Plot size <u>5 foot diameter</u>			
Common name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. none					
2.					
3.					
4.					
<u>0.0</u> = Total Cover					

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?	
	5	2		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result	
	OBL species		X 1	= 0.00	
	FACW species		X 2	= 0.00	
	FAC species		X 3	= 0.00	
	FACU species		X 4	= 0.00	
	UPL species		X 5	= 0.00	
	Column Totals	(A) 0		(B) 0	
Prevalence Index		B/A = 0.00		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 %

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 16 Sudbury Road City/Town: Ashland Sampling Date: 4/17/2025
 Applicant/Owner: Guy R. Loguidice Sampling Point or Zone: TPW@W3
 Investigator(s): Arthur Allen, EcoTec, Inc. Latitude / Longitude: 42.264792 / -71.469116
 Soil Map Unit Name: Sudbury 260B NWI or DEP Classification: PFO1E

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.: Some portions of the wetland have been historically disturbed by clearing and conversion to lawn.			

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>12.00</u>
Saturation Present (including capillary fringe)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/> Depth (inches) <u>0.00</u>
Wetland Hydrology Indicators		
Reliable Indicators of Wetlands Hydrology <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	Indicators that can be Reliable with Proper Interpretation <input type="checkbox"/> Hydrological records <input checked="" type="checkbox"/> Free water in a soil test hole <input checked="" 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	Indicators of the Influence of Water <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 foot diameter</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name		Scientific name			
1.	Sasafras	Sasafras albidum	FACU	30.0	Yes No
2.	Red Maple	Acer rubrum	FAC	70.0	Yes Yes
3.					
4.					
5.					
6.					
7.					
8.					
9.					
<u>100.0</u> = Total Cover					
<u>Shrub/Sapling Stratum</u>		Plot size <u>15-foot diameter</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name		Scientific name			
1.	Grey Birch	Betula populifolia	FAC	20.0	Yes Yes
2.	Sweet Pepperbush	Clethra alnifolia	FAC	30.0	Yes Yes
3.					
4.					
5.					
6.					
7.					
8.					
9.					
<u>50.0</u> = Total Cover					
<u>Herb Stratum</u>		Plot size <u>5 foot diameter</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name		Scientific name			
1.	Skunk Cabbage	Symplocarpus foetidus	OBL	20.0	Yes Yes
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
<u>20.0</u> = Total Cover					

VEGETATION – continued.

<u>Woody Vine Stratum</u>		Plot size <u>5 foot diameter</u>			
		Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name	Scientific name				
1. none					
2.					
3.					
4.					
<u>0.0</u> = Total Cover					

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?	
	5	4		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result	
	OBL species		X 1	= 0.00	
	FACW species		X 2	= 0.00	
	FAC species		X 3	= 0.00	
	FACU species		X 4	= 0.00	
	UPL species		X 5	= 0.00	
	Column Totals	(A) 0		(B) 0	
Prevalence Index		B/A = 0.00		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"/>

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 %

