

TOWN OF WINCHENDON

WINCHENDON TOWN CLERK  
RCUD NOV 1 2022 AM 11:33

*DJA*

Conservation Commission



Telephone (978) 297-5410

109 Front Street  
Winchendon, Massachusetts 01475-1758

Legal Notice  
Winchendon Conservation Commission

Pursuant to the provisions of M.G.L. Chapter 131, Section 40, and the Town of Winchendon Wetlands Protection Bylaw, the Winchendon Conservation Commission will hold a public hearing on Thursday, December 8, 2022 at 6:10 pm to consider the Notice of Intent filed by Ken Matson, d/b/a Matson Homes. Property is located on Lot "B" Hitchcock Road, Assessor's Map 8, Parcel 16A. The proposed work includes construction of a three (3) bedroom single family home with a private well and septic system. All infrastructure and grading will be located outside 75' foot buffer zone. The hearing will be held in the Second Floor Auditorium at Town Hall - 109 Front St., Winchendon, MA 01475. Alternative translation and accommodation for disabled persons is available by advance request.

For additional information email [mmarro@townofwinchendon.com](mailto:mmarro@townofwinchendon.com).

November 30, 2022

**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 #:1441180

City/Town:WINCHENDON

**A.General Information**

1. Project Location:

a. Street Address	LOT "B" HITCHCOCK ROAD	c. Zip Code	01475
b. City/Town	WINCHENDON	e. Longitude	72.05409W
d. Latitude	42.65585N	g.Parcel/Lot #	16A
f. Map/Plat #	8		

2. Applicant:

Individual  Organization

a. First Name	KEN	b.Last Name	MATSON
c. Organization	MATSON HOMES		
d. Mailing Address	129 MASON ROAD		
e. City/Town	NEW IPSWITCH	f. State	NH
g. Zip Code			03071
h. Phone Number	603-547-7474	i. Fax	
		j. Email	

3.Property Owner:

more than one owner

a. First Name	KEN	b. Last Name	MATSON
c. Organization	MATSON HOMES		
d. Mailing Address	129 MASON ROAD		
e. City/Town		f.State	
g. Zip Code			
h. Phone Number		i. Fax	
		j.Email	

4.Representative:

a. First Name	CHRIS	b. Last Name	STODDARD
c. Organization	STODDARD ENGINEERING		
d. Mailing Address	1863, OLD KEENE ROAD		
e. City/Town	ATHOL	f. State	MA
g. Zip Code			01331
h.Phone Number	978-790-9731	i.Fax	
		j.Email	stoddard440@gmail.com

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

a.Total Fee Paid	500.00	b.State Fee Paid	237.50	c.City/Town Fee Paid	262.50
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6.General Project Description:

CONSTRUCTION OF A 3 BEDROOM SINGLE FAMILY HOME WITH A PRIVATE WELL AND SEPTIC SYSTEM. ALL INFRASTRUCTURE AND GRADING WILL BE LOCATED OUTSIDE THE TOWNS 75' NO BUILD ZONE. WETLANDS WERE DELINEATED BY CARON ENVIRONMENTAL ON OCT 3RD AND 12TH OF 2022.

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                                   |

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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 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:

<b>a. County:</b>	<b>b. Certificate:</b>	<b>c. Book:</b>	<b>d. Page:</b>
WORCESTER		61962	137

**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 type="checkbox"/> Riverfront Area                      | 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 type="checkbox"/> 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. |



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Project Involves Streams Crossings

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

**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 #:

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City/Town:WINCHENDON

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.

\* 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

**Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

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Provided by MassDEP:

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- 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**

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.  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.

**a. Plan Title:                      b. Plan Prepared By:      c. Plan Signed/Stamped By:      c. Revised Final Date:      e. Scale:**

SEWAGE DISPOSAL      CHRIS STODDARD      CHRIS STODDARD                      10-27-2022  
SYSTEM

- 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 #:1441180  
City/Town:WINCHENDON

**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.

Ken Matson	10/27/2022
_____	_____
1. Signature of Applicant	2. Date
Ken Matson	10/27/2022
_____	_____
3. Signature of Property Owner(if different)	4. Date
CHRIS STODDARD	10/27/2022
_____	_____
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 #:1441180  
 City/Town:WINCHENDON

**A. Applicant Information**

1. Applicant:

a. First Name KEN b. Last Name MATSON  
 c. Organization MATSON HOMES  
 d. Mailing Address 129 MASON ROAD  
 e. City/Town NEW IPSWITCH f. State NH g. Zip Code 03071  
 h. Phone Number 6035477474 i. Fax j. Email

2. Property Owner:(if different)

a. First Name KEN b. Last Name MATSON  
 c. Organization MATSON HOMES  
 d. Mailing Address 129 MASON ROAD  
 e. City/Town f. State g. Zip Code  
 h. Phone Number i. Fax j. Email

3. Project Location:

a. Street Address LOT "B" HITCHCOCK ROAD b. City/Town WINCHENDON

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.) CONSTRUCTION OF SINGLE FAMILY HOUSE;	1	500.00		500.00
		City/Town share of filling fee	State share of filing fee	Total Project Fee
		\$262.50	\$237.50	\$500.00



# Caron Environmental Consulting, LLC

Wetlands • Forestry • Permitting • Habitat Studies

October 17, 2022

Mr. Ken Matson  
Matson Homes, Inc.  
129 Mason Road  
New Ipswich, NH 03071

Re: Wetland Delineation  
75 Hitchcock Road/Winchendon

Dear Mr. Matson:

As requested, we have delineated the wetlands on the above-referenced site. The delineation was conducted on October 3 and 12, 2022. The delineation was based on observations of the soils, the plant communities and hydrology. The delineation was limited to the portion of the site indicated on the attached sketch.

The site had been previously flagged by another party and we had reviewed their flagging about four years ago. All but a couple of the old flags have been removed, but we believe the new flagging to be consistent with the previous delineation.

The edges of a Bordering Vegetated Wetlands were delineated with blue flagging labeled 22-A1 to 22-A17 and 22-B1 to 22-B21. The wetlands and uplands are both wooded.

Species which were observed to be dominant primarily in the wetlands include Yellow Birch, Speckled Alder, Goldthread, Blue Flag Iris, Fowl Meadow Grass, Poison Ivy, Cinnamon Fern, Sphagnum Moss and Winterberry. Several species are common in both the wetlands and uplands including Red Maple, Red Spruce, Eastern Hemlock and Interrupted Fern. Species abundant primarily in the uplands include Beech, Red Oak, White Pine, Sarsaparilla, Bracken Fern, Hayseeded Fern, Lowbush Blueberry, Partridgeberry, Checkerberry and Princess Pine. The attached Delineation Data Forms provide greater detail on the vegetation, soil conditions and hydrological indicators.

The MassGIS Online Viewer does not show any Estimated/Priority Habitat Areas or Certified Vernal Pools on the site.

The delineation was based on features visually apparent and the regulations in place at the time. As you are aware the interpretation of the boundaries of wetlands can vary depending on many factors including the time of year, growth phase of vegetation, groundwater levels, soil conditions, weather, and political factors. As a result, no delineation can be considered definitive until it has been reviewed and verified by all of the relevant approving authorities.

If you have any questions in regards to this matter, please feel free to contact us.

Very truly yours,  
CARON ENVIRONMENTAL CONSULTING, LLC  
By:

Charles E. Caron

## DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: Matson Homes, INC Prepared by: Caron Environmental Consulting Project location: Hitchcock Road/Winchendon DEP File #: \_\_\_\_\_

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

Section I. Vegetation		Observation Plot Number: A7-W	Transect Number: A7	Date of Delineation: 10/12/2022	
A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*	
<u>Herbs &amp; Seedlings</u>					
Cinnamon Fern/ <i>Osmunda cinnamomea</i>	38.0	62	Yes	FACW*	
Checkerberry/ <i>Gaultheria procumbens</i>	20.5	33	Yes	FACU	
Goldthread/ <i>Coptis trifolia</i>	3.0	5	No	FACW*	
<u>Shrubs</u>					
Maleberry/ <i>Lyonia ligustrina</i>	3.0	100	No	FACU	
<u>Saplings</u>					
Red Maple/ <i>Acer rubrum</i>	38.0	93	Yes	FAC*	
Red Spruce/ <i>Picea rubens</i>	3.0	7	No	FACU	
<u>Trees</u>					
Red Maple	3.031	36	Yes	FAC*	
White Pine/ <i>Pinus strobus</i>	2.645	32	Yes	FACU	
Eastern Hemlock/ <i>Tsuga canadensis</i>	1.450	17	No	FACU*	
Red Spruce	0.709	8	No	FACU	
Yellow Birch/ <i>Betula alleghaniensis</i>	0.485	6	No	FAC*	

\* Use an asterisk to mark wetland indicator plants

**Vegetation conclusion:**  
 Number of dominant wetland indicator plants: 3      Number of dominant non-wetland indicator plants: 2  
 Is the number of dominant wetland indicator plants equal to or greater than the number of dominant non-wetland indicator plants? Yes

**Section II. Indicators of Hydrology**

Plot A7-W

Other Indicators of Hydrology: (check all that apply and describe)

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/date: Soil Survey of Worcester County, Massachusetts

Northwestern Part

Map number: Online map

Soil type mapped: Bucksport and Wonsqueak Muck

Hydric soil inclusions:

Are field observations consistent with soil survey?  Yes  No

Remarks:

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color
O	0"-4"	10 YR 2/1	
A	4"-16"	10 YR 2/1	10 YR 6/1
Bg	16"-24"+	10 YR 4/1	10 YR 6/2 7.5 YR 4/4

Remarks:

Other:

Conclusion: Is soil hydric:  Yes  No

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; Aerial photo; other):
- Other:

**Vegetation and Hydrology Conclusion**

	Yes	No
Number of wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
>/= number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in a BVW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent.

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: Matson Homes, INC. Prepared by: Caron Environmental Consulting Project location: Hitchcock Road/Winchendon DEP File #:

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

Section I. Vegetation	Observation Plot Number: A7-U	Transect Number: A7	Date of Delineation: 10/12/2022	
A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<u>Herbs &amp; Seedlings</u>				
Cinnamon Fern	20.5	48	Yes	FACW*
Hayscented Fern/ <i>Demnstaedia punctilobula</i>	10.5	24	Yes	UPL
Checkerberry	3.0	7	No	FACU
Lowbush Blueberry/ <i>Vaccinium angustifolium</i>	3.0	7	No	FACU
Red Oak/ <i>Quercus rubra</i>	3.0	7	No	FACU
Indian Cucumber/ <i>Medeola virginiana</i>	3.0	7	No	FACU
<u>Shrubs</u>				
None				
<u>Saplings</u>				
Red Maple	20.5	87	Yes	FAC*
Red Spruce	3.0	13	No	FACU
<u>Trees</u>				
Red Oak	6.287	48	Yes	FACU
White Pine	5.465	42	Yes	FACU
Eastern Hemlock	1.063	8	No	FACU*
Red Spruce	0.349	3	No	FACU

\* Use an asterisk to mark wetland indicator plants

**Vegetation conclusion:**  
 Number of dominant wetland indicator plants: 2      Number of dominant non-wetland indicator plants: 3  
 Is the number of dominant wetland indicator plants equal to or greater than the number of dominant non-wetland indicator plants? No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology** Plot A7-U

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site?  Yes  No

Title/date: Soil Survey of Worcester County, Massachusetts  
Northwestern Part

Map number: Online map

Soil type mapped: Becket-Skerry Association

Hydric soil inclusions:

Are field observations consistent with soil survey?  Yes  No

Remarks:

2. Soil Description	Depth (inches)	Matrix Color	Mottles Color
Horizon OA	0"-2"	10 YR 2/2	
E	2"-3"	10 YR 4/1	None
Bh	3"-6"	10 YR 4/3	None
Bs	6"-12"	7.5 YR 5/8	None
Bw	12"-24"+	10 YR 5/6	None

Remarks:

Other:

Conclusion: Is soil hydric:  Yes  No

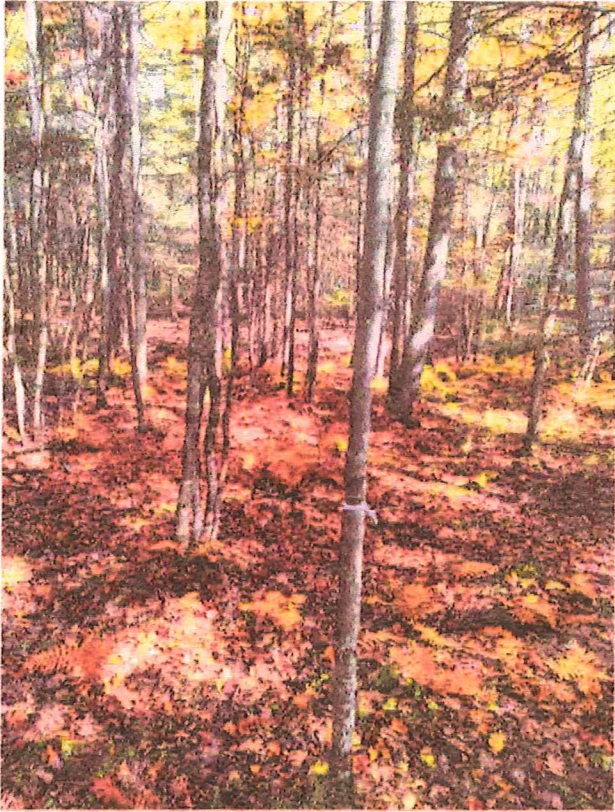
Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; Aerial photo; other):
- Other:

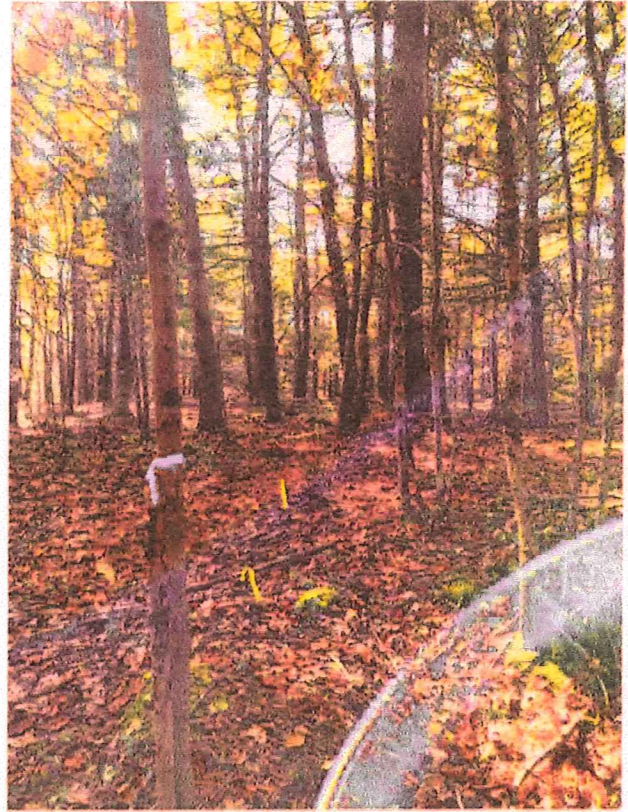
**Vegetation and Hydrology Conclusion**

	Yes	No
Number of wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
>/= number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Sample location is in a BVW</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Submit this form with the Request for Determination of Applicability or Notice of Intent.



Wetland at Plot A7-W



Upland at Plot A7-U



Soil at Plot A7-W



Soil at Plot A7-U

