

STAMSKI AND MCNARY, INC.

1000 Main Street
Acton, Massachusetts 01720
(978) 263-8585
FAX (978) 263-9883

PRINCIPALS

JOSEPH MARCH, P.E., P.L.S.
GEORGE DIMAKARAKOS, P.E.

ASSOCIATE

JONATHAN BOLLEN, P.L.S.

June 22, 2023
Conservation Commission
Town of Sudbury
322 Concord Road
Sudbury, MA 01776

Re: **Resource Area Delineation Plan**
Concord Road

Dear Members of the Commission,

On behalf of our client, Dan Dillon, a revised Resource Area Delineation Plan has been submitted for the referenced property in response to a site walk. The following changes have been made:

- New flags 77R, 154R are located and shown on the plan.
- Wetland flag 69 connects to wetland flag 72.
- Wetland flag 75 connects to new flag 77R then to flag 78.
- New flag 83A between 83 and 84 is now shown.

We thank you for your attention to this matter. If you have any questions regarding this matter, please feel free to contact our office.

Respectfully,

Stamski and McNary, Inc.

Aidan Schlotman

Aidan Schlotman

Joseph March

Joseph March, P.E., P.L.S.

Stamski and McNary, Inc.

Engineering - Planning – Surveying

1000 Main Street Acton, MA 01720 (978) 263-8585

www.stamskiandmcnary.com

Abbreviated Notice of Resource Area Delineation

Under the Massachusetts Wetland Protection Act,
M.G.L. c. 131, s. 40 &
Town of Sudbury Wetland Bylaw Regulations

for

**Concord Road
Sudbury, MA 01776
Map E12 Parcel 0007**

Applicant: Daniel Dillon
1011 Concord Road
Sudbury, MA 01776

Date: May 18, 2023

SM-7154

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- **WPA Form 4A** (ANRAD Wetland Fee Transmittal Form)
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- **Attachments:**
 - *U.S.G.S. Locus Map*
 - *DEP Bordering Vegetated Wetland Delineation Field Data Forms*
 - *Resource Area Delineation Plan by Stamski And McNary, Inc.*

WPA Form 4A (Abbreviated Notice of Resource Area Delineation)



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of
Resource Area Delineation
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

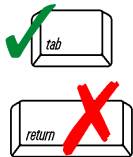
Sudbury
 City/Town

A. General Information

1. Project Location (**Note:** electronic filers will click on button for GIS locator):

Concord Road	Sudbury	01776
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	42° 24' 28.35"	71° 23' 15.83"
	d. Latitude	e. Longitude
E12	0007	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

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



2. Applicant:

Daniel	Dillon	
a. First Name	b. Last Name	
c. Organization		
1011 Concord Road		
d. Mailing Address		
Sudbury	MA	01776
e. City/Town	f. State	g. Zip Code
508-574-1300	dan@dillonfarm.com	
h. Phone Number	i. Fax Number	
j. Email Address		

3. Property owner (if different from applicant):

Check if more than one owner (attach additional sheet with names and contact information)

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		

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

4. Representative (if any):

Aidan	Schlotman	
a. Contact Person First Name	b. Contact Person Last Name	
c. Organization		
abs@stamskiandmcnary.com		
d. Mailing Address		
Acton	MA	01720
e. City/Town	f. State	g. Zip Code
978-263-8585x218	abs@stamskiandmcnary.com	
h. Phone Number	j. Email Address	

Fees will be calculated for online users.

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

\$200	\$87.50	\$112.50
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of
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 Sudbury

 City/Town

B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) 1262
Linear Feet of Boundary Delineated
2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:
 - a. MassDEP BVW Field Data Form (attached)
 - b. Other Methods for Determining the BVW boundary (attach documentation):
 1. 50% or more wetland indicator plants
 2. Saturated/inundated conditions exist
 3. Groundwater indicators
 4. Direct observation
 5. Hydric soil indicators
 6. Credible evidence of conditions prior to disturbance
3. Indicate any other resource area boundaries that are delineated:

a. Resource Area	b. Linear Feet Delineated
c. Resource Area	d. Linear Feet Delineated

C. Additional Information

Applicants must include the following plans with this Abbreviated Notice of Resource Area Delineation. 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. ANRAD (Delineation Plans only)
2. 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.)
3. Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and/or other resource areas, if applicable).
4. List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation.

D. Fees



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of
Resource Area Delineation
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Sudbury
City/Town

The fees for work proposed under each Abbreviated Notice of Resource Area Delineation must be calculated and submitted to the Conservation Commission and the Department (see Instructions and Wetland Fee Transmittal Form).

- 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 the attached Wetland Fee Transmittal Form) to confirm fee payment:

8771 _____

2. Municipal Check Number

5/15/23 _____

3. Check date

8770 _____

4. State Check Number

5/15/23 _____

5. Check date

Daniel & Sharon _____

6. Payor name on check: First Name

Dillon _____

7. Payor name on check: Last Name

E. Signatures

I certify under the penalties of perjury that the foregoing Abbreviated Notice of Resource Area Delineation and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of
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 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Sudbury
City/Town

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 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.

I hereby grant permission, to the Agent or member of the Conservation Commission and the Department of Environmental Protection, to enter and inspect the area subject to this Notice at reasonable hours to evaluate the wetland resource boundaries subject to this Notice, and to require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.

I acknowledge that failure to comply with these certification requirements is grounds for the Conservation Commission or the Department to take enforcement action.

1. Signature of Applicant _____
Samuel P. Wilton
 3. Signature of Property Owner (if different) _____
 5. Signature of Representative (if any) _____

2. Date _____
May 15, 2023
 4. Date _____
 6. Date _____

For Conservation Commission:

Two copies of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; two copies of the ANRAD Wetland Fee Transmittal Form; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; one copy of the ANRAD Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

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.

WPA Form 4A (ANRAD Wetland Fee Transmittal Form)



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
ANRAD 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:

Concord Road _____ Sudbury _____
 a. Street Address b. City/Town
 \$87.50 _____ 8770 _____
 c. Fee amount d. Check number

2. Applicant:

Daniel _____ Dillon _____
 a. First Name b. Last Name c. Company
 1011 Concord Road _____
 d. Mailing Address
 Sudbury _____ MA _____ 01776 _____
 e. City/Town f. State g. Zip Code
 508-574-1300 _____
 h. Phone Number

3. Property Owner (if different):

 a. First Name b. Last Name c. Company

 d. Mailing Address

 e. City/Town f. State g. Zip Code

 h. Phone Number

B. Fees

The fee is calculated as follows for each Resource Area Delineation included in the ANRAD (check applicable project type). The maximum fee for each ANRAD, regardless of the number of Resource Area Delineations, is \$200 activities associated with a single-family house and \$2,000 for any other activity.

Bordering Vegetated Wetland Delineation Fee:

1. <input checked="" type="checkbox"/>	single family house project	1262 _____ a. feet of BVW	\$2.00 _____ x \$2.00 =	\$200 (Maximum) _____ b. Fee for BVW
2. <input type="checkbox"/>	all other projects	_____ _____ a. feet of BVW	_____ _____ x \$2.00 =	_____ _____ b. Fee for BVW

Other Resource Area (e.g., bank, riverfront area, etc.):

3. <input type="checkbox"/>	single family house project	_____ _____ a. linear feet	_____ _____ x \$2.00 =	_____ _____ b. Fee
4. <input type="checkbox"/>	all other projects	_____ _____ a. linear feet	_____ _____ x \$2.00 =	_____ _____ b. Fee

Total Fee for all Resource Areas: \$200
Fee

State share of filing fee: \$87.50
5. 1/2 of total fee **less** \$12.50

City/Town share of filing fee: \$112.50
6. 1/2 of total fee **plus** \$12.50

Online users: check box if fee exempt.



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

C. Submittal Requirements

- a.) Send a copy of this form, with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts, to:

Department of Environmental Protection
Box 4062
Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Abbreviated Notice of Resource Area Delineation; a **copy** of this form; and the city/town fee payment.
- c.) **To DEP Regional Office:** Send one copy of the Abbreviated Notice of Resource Area Delineation (and any additional documentation required as part of a Simplified Review Buffer Zone Project); a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

Certified Abutters List / Affidavit / Notice to Abutters

abutters_id_field	abutters_owner1	abutters_owner2	abutters_address	abutters_town	abutters_state	abutters_zip	abutters_bookpage	abutters_location
D11-0104	AMES ADAM		285 MARLBORO RD	SUDBURY	MA	01776	19180-560	CONCORD RD
D11-0205	DONNELLAN BRENDON & CHRISTA		857 CONCORD RD	SUDBURY	MA	01776	63902-257	857 CONCORD RD
D12-0100	999 CONCORD ROAD LLC		999 CONCORD RD	SUDBURY	MA	01776	71084-555	CONCORD RD
D12-0106	TOWN OF SUDBURY	CONSERVATION	278 OLD SUDBURY RD	SUDBURY	MA	01776	46841-456	OFF CONCORD RD
E11-0001	COMM OF MASSACHUSETTS	FISHERIES & GAME	100 CAMBRIDGE ST	BOSTON	MA	02202	8412-366	CONCORD RD
E11-0002	TOWN OF SUDBURY	TREASURER	278 OLD SUDBURY ROAD	SUDBURY	MA	01776	13356-427	CONCORD RD
E12-0002	TOWN OF SUDBURY	TREASURER	278 OLD SUDBURY ROAD	SUDBURY	MA	01776	N-A	CONCORD RD
E12-0003	TOWN OF SUDBURY		278 OLD SUDBURY RD	SUDBURY	MA	01776	N-A	CONCORD RD
E12-0006	GAROFALO NICHOLAS R & LAURA		931 CONCORD RD	SUDBURY	MA	01776	72047-122	931 CONCORD RD
E12-0007	DILLON DANIEL P & SHARON T		1011 CONCORD RD	SUDBURY	MA	01176	79068-47	CONCORD RD
E12-0008	TOWN OF SUDBURY	CONSERVATION	278 OLD SUDBURY RD	SUDBURY	MA	01776	47967-502	CONCORD RD

Cynth Lerw
5/8/2023

Notification to Abutters
Under the Massachusetts Wetlands Protection Act
and the Sudbury Wetlands Administrative 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 Daniel Dillon
- B. The Applicant has filed a ANRAD with the Sudbury Conservation Commission seeking permission to work in an Area Subject to Protection (Wetland Resource Area and/or Buffer Zone) under the Massachusetts Wetlands Protection Act (General Laws Chapter 131, Sec.40) and the Town of Sudbury Wetlands Administrative Bylaw.
- C. The **address** of the lot where the activity is proposed: Concord Road Map E12 Parcel 0007
- D. The **proposed activity** is: Delineation of Bordering Vegetated Wetland Boundry
- _____
- _____
- E. A **Public Hearing** regarding this ANRAD will be held on:
Monday, June 5th at 6:45 PM.
- F. **Public Participation will be via Virtual Means Only** - In light of the ongoing COVID-19 coronavirus outbreak, Governor Baker issued an emergency Order on March 12, 2020, allowing public bodies greater flexibility in utilizing technology in the conduct of meetings under the Open Meeting Law. The Town of Sudbury Conservation Commission greatly values the participation of its citizens in the public meeting process, but given the current circumstances and recommendations at both the state and federal levels to limit or avoid public gatherings, including Governor Baker’s ban on gatherings of more than 10 people, together with the present closure of Sudbury Town Hall and other public buildings to the public, the Town has decided to implement the “remote participation” procedures allowed under Governor Baker’s emergency Order for all boards, committees, and commissions.
- G The public may participate in this meeting via Remote Participation:**
- From your computer, smart phone or tablet:
- <https://us02web.zoom.us/j/84085992361>
 - Meeting ID: 840 8599 2361
 - From your phone: **978-639-3366** or **470 250 9358**
- H Copies of the ANRAD may be examined by visiting this Website:
<https://sudbury.ma.us/conservationcommission/meetings/>
- I. Copies of the Notice of Intent may be obtained from either The Applicant, or the Applicant’s representative Stamski & McNary, INC, by calling this telephone number: 978-263-8585 x218 between the hours of 7:30 am-4pm Mon-Fri

Note: Public Hearing Notice, including its date, time, and place, will be published at least 5 days in advance in the MetroWest newspaper (at the applicant’s expense).

Narrative

Resource Area Description

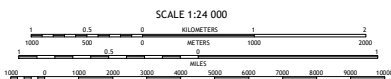
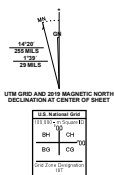
The subject property is a Vacant lot located at Concord Road in Sudbury. The property contains farmland. The vegetation consists of meadows and wooded areas. There is Flood plain overlay districted located from field survey on the lot. There are Bordering Vegetated Wetlands located throughout the lot. The applicant is seeking confirmation of the delineation of the Bordering Vegetated Wetland Flagging 60-83 and Flagging 151-158.

U.S.G.S. Locus Map



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 19T
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery: NAIP, July 2016 - September 2016
Roads: U.S. Census Bureau, 2016
Names: U.S. Census Bureau, 2016
Hydrography: National Hydrography Dataset, 2004
Contours: National Elevation Dataset, 2012
Boundaries: Multiple sources; see metadata file 2016 - 2017
Wetlands: FWS National Wetlands Inventory 1992 - 1995



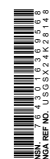
ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Route	and
Interstate Route	US Route
	State Route

1	2	3	1 Acton
4	5	2 Westford	
6	7	3 Billerica	
8	9	4 Hudson	
		5 Concord	
		6 Marlborough	
		7 Framingham	
		8 Needham	

ABSOLUTE QUADRANGLE

MAYNARD, MA
2021



DEP Bordering Vegetated Wetland Delineation Field Forms

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

Applicant: _____ Prepared by: B & C Associates Inc. Project location: 900 Concord Road, Sudbury 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: 1 Transect Number: A Date of Delineation: 10/27/2022

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 *	
Herbaceous:	Upland Grasses	<i>Graminae sp.</i>	63.0	60%	Yes	UPL
	Cauliflower	<i>Brassica oleracea</i>	20.5	20%	Yes	UPL
	Barnyard Grasses	<i>Echinochola crusgalli</i>	20.5/104.0	20%	Yes	FACU
Shrubs:	None					
Saplings:	None					
Lianas:	None					
Overstory:	None					

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 0 Number of dominant non-wetland Indicator plant: 3

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? NO

**Section II. Indicators of Hydrology
Hydric Soil Interpretation**

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 9/09/2022

map number: 31

soil type mapped: Scio very fine sandy loam

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A _p	0-18"	10 YR 3/2	
B	18-23"	2.5 Y 6/3	

Remarks: Sample point located in cultivated field

3. Other: 31' 9" to Wetland Flag # 41
42' 4" to Wetland Flag # 42

Conclusion: Is soil hydric? 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 ≥ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample location is in a BVW	<input type="checkbox"/>	<input checked="" 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: _____ Prepared by: B & C Associates Inc. Project location: 900 Concord Road, Sudbury 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: 2 Transect Number: A Date of Delineation: 10/27/2022

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 *	
Herbaceous:	Upland Grasses	<i>Graminae sp.</i>	63.0	52%	Yes	UPL
	Common Plantain	<i>Plantago major</i>	20.5	17%	No	FACU
	Reed Canary Grass	<i>Phalaris arundinacea</i>	20.5	17%	No	FACW+ *
	Barnyard Grass	<i>Echinochloa crusgalli</i>	10.5	9%	No	FACU
	Smartweed	<i>Polygonum pensylvanicum</i>	3.0	2%	No	FACW+ *
	Soft Rush	<i>Juncus effusus</i>	3.0/120.5	2%	No	FACW+ *
Shrubs:	Speckled Alder	<i>Alnus rugosa</i>	20.5/20.5	100%	Yes	FACW+ *
Saplings:	None					
Lianas:	None					
Overstory:	Red Maple	<i>Acer rubrum</i>	162.6/162.6	100%	Yes	FAC *

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:	
Number of dominant wetland indicator plants: <u>2</u>	Number of dominant non-wetland Indicator plant: <u>1</u>
Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? <u>YES</u>	

**Section II. Indicators of Hydrology
Hydric Soil Interpretation**

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 9/09/2022

map number: 31

soil type mapped: Birdsall mucky silt loam

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-9"	10 YR 3/2	
B _G	9-17"	2.5 Y 6/2	10 YR 6/8

Remarks: Sample point located at edge of cultivated field

3. Other: 35' 2" to Wetland Flag # 41
44' 8" to Wetland Flag # 42
20' 3" Downgradient from A1

Conclusion: Is soil hydric? YES

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 ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample location is in a BVW	<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: _____ Prepared by: B & C Associates Inc. Project location: 900 Concord Road, Sudbury 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: 1 Transect Number: B Date of Delineation: 11/02/2022

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 *	
Herbaceous:	Upland Grasses	<i>Graminae sp.</i>	98.0	76%	Yes	UPL
	Clover	<i>Trifolium sp.</i>	20.5	16%	No	FACU-
	Purple Vetch	<i>Vicia americana</i>	10.5/129.00	8%	No	FACU
Shrubs:	None					
Saplings:	None					
Lianas:	None					
Overstory:	None					

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 0 Number of dominant non-wetland Indicator plant: 1

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? NO

**Section II. Indicators of Hydrology
Hydric Soil Interpretation**

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 9/09/2022

map number: 31

soil type mapped: Scio very fine sandy loam

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A _p	0-10"	10 YR 3/3	
B	10-21"	2.5 Y 6/4	

Remarks:

3. Other: 31' 2" to Wetland Flag # 96
46' 8" to Wetland Flag # 97

Conclusion: Is soil hydric? 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 ≥ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample location is in a BVW	<input type="checkbox"/>	<input checked="" 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: _____ Prepared by: B & C Associates Inc. Project location: 900 Concord Road, Sudbury 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: 2 Transect Number: B Date of Delineation: 11/02/2022

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 *	
Herbaceous:	Upland Grasses	<i>Graminae sp.</i>	85.5	85%	Yes	UPL
	Reed Canary Grass	<i>Phalaris arundinacea</i>	10.5	10%	No	FACW+ *
	Goldenrods	<i>Solidago sp.</i>	3.0/99.0	3%	No	
Shrubs:	None					
Saplings:	None					
Lianas:	None					
Overstory:	None					

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 0 Number of dominant non-wetland Indicator plant: 1

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? NO

**Section II. Indicators of Hydrology
Hydric Soil Interpretation**

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 9/09/2022

map number: 31

soil type mapped: Birdsall mucky silt loam

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A _p	0-11"	10 YR 3/3	
B _G	11-22"	2.5 Y 6/2	10 YR 6/8

Remarks: Sample point located in tilled field

3. Other: 38' 3" to Wetland Flag # 96
42' 4" to Wetland Flag # 97
12' 11" Downgradient from B1

Conclusion: Is soil hydric? YES

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 ≥ number of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample location is in a BVW	<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: _____ Prepared by: B & C Associates Inc. Project location: 900 Concord Road, Sudbury 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: 1 Transect Number: C Date of Delineation: 11/04/2022

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 *	
Herbaceous:	Cinnamon Fern	<i>Osmunda cinnamomea</i>	63.0/63.0	100%	Yes	FACW	*
Shrubs:	Highbush Blueberry	<i>Vaccinium corymbosum</i>	38.0	62%	Yes	FACW-	*
	White Pine	<i>Pinus strobus</i>	20.5	33%	Yes	FACU	
	Red Maple	<i>Acer rubrum</i>	3.0/61.5	5%	No	FAC	*
Saplings:	Red Maple	<i>Acer rubrum</i>	20.5	40%	Yes	FAC	*
	White Pine	<i>Pinus strobus</i>	20.5	40%	Yes	FACU	
	Gray Birch	<i>Betula populifolia</i>	10.5/51.5	20%	Yes	FAC	*
Lianas:	None						
Overstory:	Red Maple	<i>Acer rubrum</i>	632.9	59%	Yes	FAC	*
	White Pine	<i>Pinus strobus</i>	435.1/1068.0	41%	Yes	FACU	

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:	
Number of dominant wetland indicator plants: 5	Number of dominant non-wetland Indicator plant: 3
Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES	

**Section II. Indicators of Hydrology
Hydric Soil Interpretation**

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 9/09/2022

map number: 31

soil type mapped: Scio very fine sandy loam

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-13"	10 YR 3/2	
B	13-21"	10 YR 4/2	

Remarks:

3. Other: 14' 1" to Wetland Flag # A20
27' 2" to Wetland Flag # A21

Conclusion: Is soil hydric? 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 ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydric soil present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
other indicators of hydrology present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample location is in a BVW	<input type="checkbox"/>	<input checked="" 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: _____ Prepared by: B & C Associates Inc. Project location: 900 Concord Road, Sudbury 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: 2 Transect Number: C Date of Delineation: 11/04/2022

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 *	
Herbaceous:	Cinnamon Fern	<i>Osmunda cinnamomea</i>	85.5/85.5	100%	Yes	FACW	*
Shrubs:	Highbush Blueberry	<i>Vaccinium corymbosum</i>	10.5	30%	Yes	FACW-	*
	European Buckthorn	<i>Rhamnus frangula</i>	10.5	30%	Yes	FAC	*
	White Pine	<i>Pinus strobus</i>	10.5	30%	Yes	FACU	
	Red Maple	<i>Acer rubrum</i>	3.0/34.5	9%	No	FAC	*
Saplings:	Red Maple	<i>Acer rubrum</i>	10.5/10.5	100%	Yes	FAC	*
Lianas:	None						
Overstory:	Red Maple	<i>Acer rubrum</i>	1036.1	69%	Yes	FAC	*
	White Pine	<i>Pinus strobus</i>	435.1	29%	Yes	FACU	
	Gray Birch	<i>Betula populifolia</i>	19.6/1490.8	1%	No	FAC	*

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:	
Number of dominant wetland indicator plants: 5	Number of dominant non-wetland Indicator plant: 2
Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES	

**Section II. Indicators of Hydrology
Hydric Soil Interpretation**

1. Soil Survey

Is there a published soil survey for this site? YES

title/date: Middlesex County 9/09/2022

map number: 31

soil type mapped: Birdsall mucky silt loam

hydric soil inclusions:

Are field observations consistent with soil survey? YES

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
O _t	3-0"		
A	0-8"	10 YR 3/1	
B _G	8-19"	10 YR 4/1	

Remarks:

3. Other: 10' 10" to Wetland Flag # A20
26' 9" to Wetland Flag # A21
16' 1" Downgradient from C1

Conclusion: Is soil hydric? YES

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 ≥ number of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present: hydric soil present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other indicators of hydrology present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample location is in a BVW	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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**Resource Area Delineation Plan by
Stamski and McNary, Inc.**