



**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

City/Town

**A. General Information**

1. Project Location (Note: electronic filers will click on button for GIS locator): 5 parcels total

8 Conway Street (168-139)  
 71 North Main Street (169-11)  
 75 North Main Street (169-12)  
 85 North Main Street (169-14)  
 Landlocked parcel (168-140)

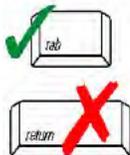
[see list to left](#)

a. Street Address Deerfield 01373  
 b. City/Town 01373 c. Zip Code  
 d. Latitude 42.479591793133416, -72.60770917510344  
 e. Longitude  
 f. Assessors Map/Plat Number 168 and 169  
 g. Parcel /Lot Number 168-139, 168-140, 169-11, 169-12, 169-14

8 Conway Street (168-139)  
 71 North Main Street (169-11)  
 75 North Main Street (169-12)  
 85 North Main Street (169-14)  
 Landlocked parcel (168-140)

Latitude and Longitude:

**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:

a. First Name Kayce b. Last Name Warren  
 c. Organization Town of Deerfield (Deerfield Senior Housing Ad Hoc Committee)  
8 Conway Street

d. Mailing Address Deerfield MA 01373  
 e. City/Town 01373 f. State MA g. Zip Code  
 h. Phone Number 413 665-1400 x105 i. Fax Number  
 j. Email Address townadmin@town.deerfield.ma.us

3. Property owner (if different from applicant):

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

a. First Name Town of Deerfield (see attached chart) b. Last Name  
 c. Organization 8 Conway St

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

d. Mailing Address South Deerfield MA 010373  
 e. City/Town 010373 f. State MA g. Zip Code  
 h. Phone Number 413-665-1400 i. Fax Number  
 j. Email Address

4. Representative (if any):

a. Contact Person First Name Jess b. Contact Person Last Name Schoendorf  
 c. Organization Berkshire Design Group  
 d. Mailing Address 4 Allen Place  
Northampton MA 01060  
 e. City/Town 01060 f. State MA g. Zip Code  
 h. Phone Number 413-582-7000 i. Fax Number  
 j. Email Address jess@berkshiredesign.com

Fees will be calculated for online users.

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

a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid



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**B. Area(s) Delineated**

1. Bordering Vegetated Wetland (BVW) 601.96 LF  
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:
 

Bank (MAHWL and first observable break in slope)	895.87 LF
a. Resource Area	b. Linear Feet Delineated
Land Under Waterway (MAHWL)	895.87 LF
c. Resource Area	d. Linear Feet Delineated

\*Riverfront is another Resource Area present, delineated as MAHWL is 895.87 LF

**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.



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**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

\_\_\_\_\_  
City/Town

**D. Fees**

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:

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



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

Provided by MassDEP:

\_\_\_\_\_  
 MassDEP File Number

\_\_\_\_\_  
 Document Transaction Number

\_\_\_\_\_  
 City/Town

### 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 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.

 Kayce D. Warren  
 1. Signature of Applicant

8/31/2023  
 2. Date

SEE ATTACHED 'PROPERTY OWNER INFORMATION' CHART

3. Signature of Property Owner (if different)

 Jessica Schoendorf  
 5. Signature of Representative (if any)

4. Date

8/30/23

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:

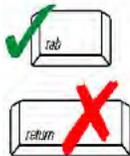
One copy of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; one copy of the ANRAD Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the MassDEP Regional Office (see Instructions) by certified mail or hand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



**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: 8 Conway Street (168-139)  
71 North Main Street (169-11)  
75 North Main Street (169-12)  
Landlocked parcel between 8 Conway and 75 North Main Street (168-140)

a. Street Address \$987.50 to state, \$1012.50 to town b. City/Town \_\_\_\_\_

c. Fee amount \_\_\_\_\_ d. Check number \_\_\_\_\_

2. Applicant:

Kayce Warren Town of Deerfield  
 a. First Name b. Last Name c. Company

townadmin@town.deerfield.ma.us  
 d. Mailing Address

Deerfield MA 01373  
 e. City/Town f. State g. Zip Code

h. Phone Number \_\_\_\_\_

3. Property Owner (if different):

Several parcels and property owners, see attached chart  
 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 type="checkbox"/>	single family house project	a. feet of BWW _____	x \$2.00 = _____	b. Fee for BVW _____
2. <input checked="" type="checkbox"/>	all other projects	601.96 LF	x \$2.00 = _____	\$1203.92
		a. feet of BWW _____	x \$2.00 = _____	b. Fee for BVW _____

**Other Resource Area (e.g., bank, riverfront area, etc.):** MAHWL delineation used for Bank, LUWB, & Riverfront

3. <input type="checkbox"/>	single family house project	a. linear feet _____	x \$2.00 = _____	b. Fee _____
4. <input checked="" type="checkbox"/>	all other projects	895.87 LF	x \$2.00 = _____	\$1791.74
		a. linear feet _____	x \$2.00 = _____	b. Fee _____

Total Fee for all Resource Areas: \$2,000 (max. amount)  
Fee

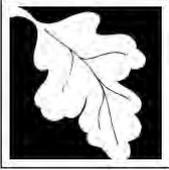
State share of filing fee: \$987.50

City/Town share of filing fee: Waived

5. 1/2 of total fee less \$12.50

6. 1/2 of total fee plus \$12.50

**Online users:** check box if fee exempt.



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**ANRAD Wetland Fee Transmittal Form**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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### **C. Submittal Requirements**

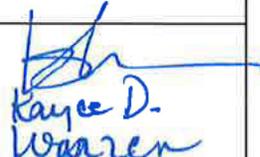
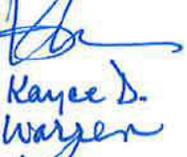
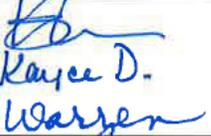
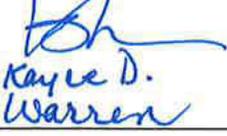
- a.) Send a copy of this form, with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts, to:

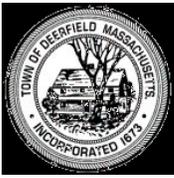
Department of Environmental Protection  
Box 4062  
Boston, MA 02211

- 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.)

WPA FORM 4A- ANRAD

Property Owner Information

PARCEL/LOT	OWNER NAME	OWNER ADDRESS	OWNER TELEPHONE #	OWNER SIGNATURE
8 Conway Street (168-139)	Town of Deerfield	8 CONWAY STREET SO DEERFIELD, MA 01373	413-665-1400	 Kayce D. Warren
Landlocked parcel between 8 Conway and 75 North Main Street (168-140)	Town of Deerfield	8 CONWAY STREET SO DEERFIELD, MA 01373	413-665-1400	 Kayce D. Warren
71 North Main Street (169-11)	Town of Deerfield	8 CONWAY STREET SO DEERFIELD, MA 01373	413-665-1400	 Kayce D. Warren
75 North Main Street (169-12)	Town of Deerfield	8 CONWAY STREET SO DEERFIELD, MA 01373	413-665-1400	 Kayce D. Warren
85 North Main Street (169-14)	Laurie Cuevas	85 N MAIN ST S DEERFIELD, MA 01373		 Laurie Cuevas



# 100 feet Abutters List Report

Deerfield, MA  
August 28, 2023

## Subject Properties:

Parcel Number: 168-139  
CAMA Number: 168-139  
Property Address: 8 CONWAY ST

Mailing Address: TOWN OF DEERFIELD TOWN HALL  
8 CONWAY STREET  
SO DEERFIELD, MA 01373

Parcel Number: 168-140  
CAMA Number: 168-140  
Property Address: OFF CONWAY ST

Mailing Address: TOWN OF DEERFIELD  
8 CONWAY ST  
SO DEERFIELD, MA 01373

Parcel Number: 169-11  
CAMA Number: 169-11  
Property Address: 71 NORTH MAIN ST

Mailing Address: TOWN OF DEERFIELD  
8 CONWAY STREET  
S DEERFIELD, MA 01373

Parcel Number: 169-12  
CAMA Number: 169-12  
Property Address: 75 NORTH MAIN ST

Mailing Address: TILTON LIBRARY TRUST OF C/O BORON  
R CHAIRMAN  
48 SO MILL RIVER RD  
SO DEERFIELD, MA 01373

Parcel Number: 169-14  
CAMA Number: 169-14  
Property Address: 85 NORTH MAIN ST

Mailing Address: CUEVAS LAURIE  
85 N MAIN ST  
S DEERFIELD, MA 01373

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## Abutters:

Parcel Number: 158-1  
CAMA Number: 158-1  
Property Address: 87 NORTH MAIN ST

Mailing Address: WRISLEY HAROLD J + JANE A +  
WRISLEY KEVIN A  
89 N MAIN ST  
S DEERFIELD, MA 01373

Parcel Number: 158-4  
CAMA Number: 158-4  
Property Address: 7 PLEASANT ST

Mailing Address: GRIFFIN KERRY B  
7 PLEASANT ST  
S DEERFIELD, MA 01373

Parcel Number: 159-27  
CAMA Number: 159-27  
Property Address: 21 PLEASANT ST

Mailing Address: TOWN OF DEERFIELD(ELEM SCHOOL)  
8 CONWAY ST  
SO DEERFIELD, MA 01373

Parcel Number: 168-129  
CAMA Number: 168-129  
Property Address: 61 NORTH MAIN ST

Mailing Address: GREENFIELD SAVINGS BANK  
400 MAIN ST  
GREENFIELD, MA 01301

Parcel Number: 168-130  
CAMA Number: 168-130  
Property Address: CONWAY ST

Mailing Address: BORDEAUX SHARON L  
5 CONWAY ST  
S DEERFIELD, MA 01373



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8/28/2023

Page 1 of 3



# 100 feet Abutters List Report

Deerfield, MA  
August 28, 2023

Parcel Number: 168-131 CAMA Number: 168-131 Property Address: 5 CONWAY ST	Mailing Address: BORDEAUX SHARON L 5 CONWAY ST S DEERFIELD, MA 01373
Parcel Number: 168-132 CAMA Number: 168-132 Property Address: 7 CONWAY ST	Mailing Address: BALESTRACCI TAMMY L 7 CONWAY ST S DEERFIELD, MA 01373
Parcel Number: 168-133 CAMA Number: 168-133 Property Address: 9 CONWAY ST	Mailing Address: KUZDEBA LAURA A + DZIURA WILLIAM T 9 CONWAY ST S DEERFIELD, MA 01373
Parcel Number: 168-134 CAMA Number: 168-134 Property Address: 11 CONWAY ST	Mailing Address: BELL ATLANTIC C/O DUFF AND PHELPS PO BOX 2749 ADDISON, TX 75001
Parcel Number: 168-135 CAMA Number: 168-135 Property Address: 12 RAILROAD ST	Mailing Address: LOST SAILOR LLC 12 RAILROAD ST S DEERFIELD, MA 01373
Parcel Number: 168-136 CAMA Number: 168-136 Property Address: 15 CONWAY ST	Mailing Address: MASTALIZ DAVID + SALLY/STEINER CAROL C/O HELEN MASTALIZ 15 CONWAY ST SO DEERFIELD, MA 01373
Parcel Number: 168-137.1 CAMA Number: 168-137.1 Property Address: 14 CONWAY ST	Mailing Address: BUDLIA LLC 589 BURTS PIT RD FLORENCE, MA 01062
Parcel Number: 168-138 CAMA Number: 168-138 Property Address: OFF CONWAY ST	Mailing Address: TOWN OF DEERFIELD 8 CONWAY ST SO DEERFIELD, MA 01373
Parcel Number: 169-13 CAMA Number: 169-13 Property Address: 81 NORTH MAIN ST	Mailing Address: CLARK JASON A + MELODY A 81 N MAIN ST S DEERFIELD, MA 01373
Parcel Number: 169-15 CAMA Number: 169-15 Property Address: 86 NORTH MAIN ST	Mailing Address: YABLONSKI HENRY S + SACCO CHRISTOPHER E+ 86 N MAIN ST S DEERFIELD, MA 01373
Parcel Number: 169-16 CAMA Number: 169-16 Property Address: 84 NORTH MAIN ST	Mailing Address: SNYDER KIMBERLY D 84 N MAIN ST S DEERFIELD, MA 01373
Parcel Number: 169-17 CAMA Number: 169-17 Property Address: 82 NORTH MAIN ST	Mailing Address: RUSSELL ROBERT D + GWEN E 82 N MAIN ST S DEERFIELD, MA 01373



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# 100 feet Abutters List Report

Deerfield, MA  
August 28, 2023

Parcel Number: 169-18  
CAMA Number: 169-18  
Property Address: 80 NORTH MAIN ST

Mailing Address: FRANCESCHI GREGORY MIDDENTS  
LISA B  
80 NORTH MAIN ST  
S DEERFIELD, MA 01373

Parcel Number: 169-19  
CAMA Number: 169-19  
Property Address: 76 NORTH MAIN ST

Mailing Address: ROSENBLUM JEFFREY  
83 CHESTNUT ST  
FLORENCE, MA 01062

Parcel Number: 169-20  
CAMA Number: 169-20  
Property Address: 74 NORTH MAIN ST

Mailing Address: JAMES PEROT LIVING TRUST PEROT  
JAMES + MELISSA H TRSTEE  
74 N MAIN ST  
S DEERFIELD, MA 01373

Parcel Number: 169-35  
CAMA Number: 169-35  
Property Address: 72 NORTH MAIN ST

Mailing Address: BROWN ERICH R + ELIZABETH M  
72 N MAIN ST  
S DEERFIELD, MA 01373

Parcel Number: 169-36  
CAMA Number: 169-36  
Property Address: 70 NORTH MAIN ST

Mailing Address: NUNEZ DAVID J  
70 N MAIN ST  
S DEERFIELD, MA 01373

Parcel Number: 169-37  
CAMA Number: 169-37  
Property Address: 68 NORTH MAIN ST

Mailing Address: GRYBKO LEONARD T JR + DIANE S  
13 BRAEBURN RD  
S DEERFIELD, MA 01373

Parcel Number: 169-38  
CAMA Number: 169-38  
Property Address: 66 NORTH MAIN ST

Mailing Address: MIDDENTS LISA B + FRANCESCHI  
GREGORY J  
80 N MAIN ST  
S DEERFIELD, MA 01373

Parcel Number: 169-39  
CAMA Number: 169-39  
Property Address: 64 NORTH MAIN ST

Mailing Address: ALBER MARY ANN + ROTKIEWICZ  
WILLIAM F JR  
59 BOYNTON RD WEST  
S DEERFIELD, MA 01373



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# Wendell Wetland Services

105 Montague Road  
Wendell, MA 01379  
(978) 544-5607  
ward.ves@gmail.com

May 31, 2023

Ms. Rachel Loeffler  
The Berkshire Design Group, Inc.  
4 Allen Place  
Northampton, MA 01060  
**Via electronic mail**

Re: Wetland Delineation, Deerfield Senior Housing Feasibility Study

Dear Ms. Loeffler:

As requested, Wendell Wetland Services (WWS) visited the above referenced site on May 24, 2023 in order to identify and delineate all wetlands that are protectable under the Massachusetts Wetlands Protection Act (M.G.L. chapter 131, section 40) and Regulations (310 CMR 10.00) in the area indicated on your email dated May 16, 2023. All wetlands in this vicinity have been marked in the field with consecutively numbered pink “wetland delineation” flagging tape. The Mean Annual High Water Line (MAHWL) of Bloody Brook has also been marked with pink “wetland delineation” flagging tape. While these boundaries have been accurately identified, only the Deerfield Conservation Commission, or the Massachusetts Department of Environmental Protection (DEP) on appeal, can make the final determination of the extent of the wetland resource areas on the site.

## **Delineation Methodology**

The methodology employed in delineating the “bordering vegetated wetland” boundary utilized both vegetation and hydrology as outlined in the Regulations at 310 CMR 10.55 and in the DEP handbook *Massachusetts Handbook for the Delineation of Bordering Vegetated Wetlands, Second Edition* (2022). Hydrophytic Vegetation was based upon the US Fish and Wildlife Service’s *National List of Plant Species that Occur in Wetlands* (2020), as well as all plant species listed in the Act. Wetland hydrology includes a high water table, water-stained leaves, and hydric soils. Hydric soils were determined based upon the interagency document *Field Indicators for Identifying Hydric Soils in New England, Version 4* (2019).

The Mean Annual High Water Line of Bloody Brook was delineated in accordance with the Regulations. On this site, since the Brook flows within well-defined banks, the MAHWL was coincident with the top of the “bank” resource area, which was determined to be the first observable break in the slope above the Brook.

## Site Description

The site consists of several parcels including the Deerfield Town Hall and Police Station, the baseball field, and existing buildings at 85 North Main Street. To the north, Bloody Brook is crossed by a footpath and culvert that provides access to Deerfield Elementary School. The Brook flows within a linear, well-defined channel that appears to have been dredged and straightened out many years ago. Flags HW-1 to HW-12 and 2HW-1 to 2HW-24 mark the MAHWL.

There are two wetland areas bordering on the Brook that lie within what appear to have once been meander channels for the original Brook. Both wetlands lie at the base of a steep upland slope.

To the west of the culvert and footpath, flags A-1 to A-13 mark a wetland with deep organic soils that is vegetated by cottonwood (*Populus deltoides*), silky dogwood (*Swida amomum*), sensitive fern (*Onoclea sensibilis*), and jewel weed (*Impatiens* spp.).

To the east of the culvert, a second wetland was marked by flags B-1 to B-15. This area is also in an old oxbow, and is vegetated by similar plant species.

## Wetland Resource Areas

Under the state Regulations (310 CMR 10.00), wetlands are broken up into different “resource areas,” each of which is regulated in a slightly different manner. The delineated wetlands contain the following resource areas, to which there is a 100 foot buffer zone:

- \* Bank (10.54)
- \* Bordering Vegetated Wetland (10.55) – the “A” and “B” lines
- \* Land Under a Waterway (10.56)

The following resource area is not field delineated, and does not have any additional “buffer zone:”

- \* Riverfront Area (10.58) – the area within 200 feet of the HW line

The site does not fall within the *Estimated Habitats of Rare Wildlife* or *Priority Habitats of Rare Species* according to the most recent online mapping. Therefore, unless new information becomes available, you should not have to make any filing with the Natural Heritage and Endangered Species Program.

## Project Planning

Any work within the 200-foot “Riverfront Area” will require the filing of a *Notice of Intent* (WPA form 3) with the Deerfield Conservation Commission.

The Regulations for the “Riverfront Area” are complex and cannot be adequately

summarized in this report. The “redevelopment” provision of the Riverfront Area Regulations allows work within the Riverfront Area provided that there are existing “previously developed” areas and the work “improves existing conditions.” The “redevelopment” provision is often the easiest means of permitting work within the Riverfront Area if it is applicable. Under this provision, work may be allowed within the 200 foot Riverfront Area provided that, among other requirements, 1:1 restoration of degraded areas (pavement, buildings, and un-vegetated sand and gravel) is provided and/or 2:1 enhancement is conducted on areas that are currently mown.

Please feel free to contact me if you have any questions regarding the delineation.

Sincerely,  
Wendell Wetland Services

Ward Smith, SPWS  
Senior Professional Wetland Scientist

Encl: DEP data forms



UPLAND SIDE

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: TOWN HALL + ADJACENT City/Town: DEERFIELD Sampling Date: 5/24/23
Applicant/Owner: VARIOUS Sampling Point or Zone: B-4
Investigator(s): WARD W. SMITH, SPWS Latitude/Longitude: 42°28'49"-72°36'28"
Soil Map Unit Name: Sudbury Sandy Loam (MWD) NWI or DEP Classification:
Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No
Are Vegetation No, Soil No, or Hydrology No significantly disturbed?
Are Vegetation No, Soil No, or Hydrology No naturally problematic?

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

Wetland vegetation criterion met? Yes No X
Hydric Soils criterion met? Yes No X
Wetlands hydrology present? Yes No X
Is the Sampled Area within a Wetland? Yes No X
Remarks, Photo Details, Flagging, etc.:
Hand-drawn site map showing 'OLD OXBOW' and 'B-4' sampling point with a 5' scale bar.

HYDROLOGY

Field Observations:
Surface Water Present? Yes No X Depth (inches)
Water Table Present? Yes No X Depth (inches) >24"
Saturation Present (including capillary fringe)? Yes No X Depth (inches) >24"
Wetland Hydrology Indicators
Table with 3 columns: Reliable Indicators of Wetlands Hydrology, Indicators that can be Reliable with Proper Interpretation, Indicators of the Influence of Water.
Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):
NO EVIDENCE OF WETLAND HYDROLOGY

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



**UPLAND SIDE**

Sampling Point B-4

VEGETATION – Use both common and scientific names of plants.

<u>Tree Stratum</u>		Plot size <u>30' radius</u>	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. Cottonwood	<i>Populus deltoides</i>	FAC	40	YES	YES	
2. Red Maple	<i>Acer rubrum</i>	FAC	25	YES	YES	
3. Elm	<i>Ulmus americana</i>	FACW	5	NO	YES	
4. Black Cherry	<i>Prunus serotina</i>	FACU	5	NO	NO	
5. Sugar Maple	<i>Acer saccharum</i>	FACU	5	NO	NO	
6.						
7.						
8.						
9.						
			<u>80</u> = Total Cover			
<u>Shrub/Sapling Stratum</u>		Plot size <u>15' radius</u>	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. Sugar Maple	<i>Acer saccharum</i>	FACU	15	YES	NO	
2. Morrow's Honeysuckle	<i>Lonicera morrowii</i>	FACU	5	NO	NO	
3. Burning Bush	<i>Euonymus alatus</i>	NL	10	YES	NO	
4.						
5.						
6.						
7.						
8.						
9.						
			<u>30</u> = Total Cover			
<u>Herb Stratum</u>		Plot size <u>5' radius</u>	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
1. False Solomon's Seal	<i>Maianthemum racemosum</i>	FACU	15	YES	NO	
2. Sensitive Fern	<i>Onoclea sensibilis</i>	FACU	15	YES	YES	
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
			<u>30</u> = Total Cover			

**UPLAND SIDE**

Sampling Point B-4

**VEGETATION – continued.**

<u>Woody Vine Stratum</u>		Plot size <u>30' radius</u>	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name	Scientific name					
1. <u>Virginia Creeper</u>	<u>Parthenocissus vitacea</u>	<u>FACU</u>	<u>30</u>	<u>YES</u>	<u>NO</u>	
2. <u>Bittersweet</u>	<u>Celastrus orbiculatus</u>	<u>UPL</u>	<u>10</u>	<u>YES</u>	<u>NO</u>	
3.						
4.						
			<u>40</u> = Total Cover			

**Rapid Test:** Do all dominant species have an indicator status of OBL or FACW? Yes \_\_\_\_\_ No X

<b>Dominance Test:</b>	Number of dominant species	Number of dominant species that are wetland indicator plants	Do wetland indicator plants make up ≥ 50% of dominant plant species?	
	<u>8</u>	<u>3</u>	Yes _____ No <u>X</u>	
<b>Prevalence Index:</b>		Total % Cover (all strata)	Multiply by:	Result
	OBL species		X 1	=
	FACW species		X 2	=
	FAC species		X 3	=
	FACU species		X 4	=
	UPL species		X 5	=
Column Totals	(A)			(B)
Prevalence Index	B/A =			Is the Prevalence Index ≤ 3.0? Yes _____ No _____

**Wetland vegetation criterion met?** Yes \_\_\_\_\_ No X

**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

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 %

WETLAND SIDE

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: Town Hall + Adjacent Area City/Town: Deerfield Sampling Date: 5/24/23  
Applicant/Owner: VARIOUS Sampling Point or Zone: B-4  
Investigator(s): WAND W. SMITH, SPURS Latitude/Longitude: 42° 28' 49" - 72° 36' 28"  
Soil Map Unit Name: SCARBORD (Very Poorly Drained) NWI or DEP Classification: \_\_\_\_\_  
Are climatic/hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks)  
Are Vegetation No, Soil No, or Hydrology No significantly disturbed? (If yes, explain in Remarks)  
Are Vegetation No, Soil No, or Hydrology No 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 _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soils criterion met?	Yes <input checked="" type="checkbox"/> No _____	
Wetlands hydrology present?	Yes <input checked="" type="checkbox"/> No _____	
Remarks, Photo Details, Flagging, etc.:		

HYDROLOGY

<b>Field Observations:</b>		
Surface Water Present? *	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches) _____
Water Table Present?	Yes <input checked="" type="checkbox"/> No _____	Depth (inches) <u>12"</u>
Saturation Present (including capillary fringe)?	Yes <input checked="" type="checkbox"/> No _____	Depth (inches) <u>0"</u>
<b>Wetland Hydrology Indicators</b>		
Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water
<input type="checkbox"/> Water-stained leaves <input type="checkbox"/> Evidence of aquatic fauna <input type="checkbox"/> Iron deposits <input type="checkbox"/> Algal mats or crusts <input type="checkbox"/> Oxidized rhizospheres/pore linings <input type="checkbox"/> Thin muck surfaces <input type="checkbox"/> Plants with air-filled tissue (aerenchyma) <input type="checkbox"/> Plants with polymorphic leaves <input type="checkbox"/> Plants with floating leaves <input type="checkbox"/> Hydrogen sulfide odor	<input type="checkbox"/> Hydrological records <input 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	<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 checked="" 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): <u>* surface water 10' from plot center</u>		

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

WETLAND SIDE

Sampling Point B-4

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Location <sup>2</sup>		
0-6	2.5Y 2.5/1	100					mucky silt loam	A horizon
6-14+	2.5Y 3/2	80	2.5Y 4/2	20	D	M	silt loam	B horizon

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

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

Restrictive Layer (if observed)    Type: \_\_\_\_\_    Depth (inches): \_\_\_\_\_

Remarks:

Hydric Soils criterion met?    Yes     No \_\_\_\_\_

WETLAND SIDE

Sampling Point B-4

VEGETATION – Use both common and scientific names of plants.

Tree Stratum		Plot size <u>30' radius</u>		Indicator	Absolute	Dominant?	Wetland
				Status	% Cover	(yes/no)	Indicator?
Common name	Scientific name						(yes/no)
1. Red Maple	<i>Acer rubrum</i>	FAC	5	YES	YES		
2. Norway Maple	<i>Acer platanoides</i>	UPL	5	YES	NO		
3. Sugar Maple	<i>Acer saccharum</i>	FACU	5	YES	NO		
4.							
5.							
6.							
7.							
8.							
9.							
				<u>15</u> = Total Cover			
Shrub/Sapling Stratum		Plot size <u>15' radius</u>		Indicator	Absolute	Dominant?	Wetland
				Status	% Cover	(yes/no)	Indicator?
Common name	Scientific name						(yes/no)
1. Morrow's Honeysuckle	<i>Lonicera morrowii</i>	FACU	30	YES	NO		
2. Arrow-wood	<i>Viburnum dentatum</i>	FAC	20	YES	YES		
3.							
4.							
5.							
6.							
7.							
8.							
9.							
				<u>50</u> = Total Cover			
Herb Stratum		Plot size <u>5' radius</u>		Indicator	Absolute	Dominant?	Wetland
				Status	% Cover	(yes/no)	Indicator?
Common name	Scientific name						(yes/no)
1. Sensitive Fern	<i>Onclea sensibilis</i>	FACU	60	YES	YES		
2. Jack in the pulpit	<i>Arisaema triphyllum</i>	FAC	20	YES	YES		
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
				<u>80</u> = Total Cover			

**VEGETATION** – continued.

<u>Woody Vine Stratum</u>		Plot size <u>30' radius</u>	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)
Common name	Scientific name					
1. <u>Virginia Creeper</u>	<u>Parthenocissus quinifolia</u>	<u>FACU</u>	<u>10</u>	<u>YES</u>	<u>NO</u>	
2.						
3.						
4.						
			<u>10</u> = Total Cover			

**Rapid Test:** Do all dominant species have an indicator status of OBL or FACW? Yes \_\_\_\_\_ No X

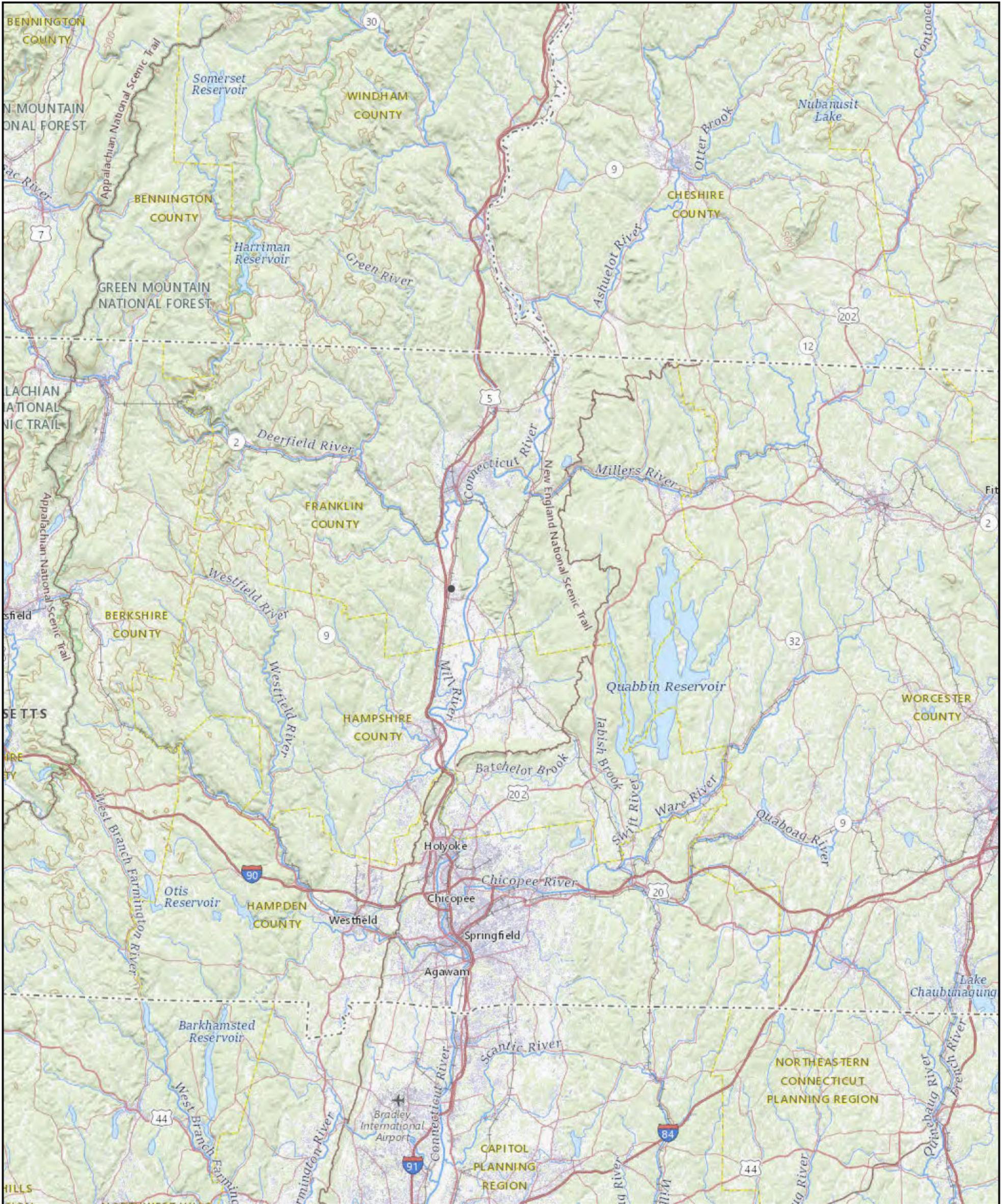
<b>Dominance Test:</b>	Number of dominant species <u>8</u>	Number of dominant species that are wetland indicator plants <u>5</u>	Do wetland indicator plants make up ≥ 50% of dominant plant species? Yes <u>X</u> No _____
<b>Prevalence Index:</b>		Total % Cover (all strata)	Multiply by: Result
	OBL species		X 1 =
	FACW species		X 2 =
	FAC species		X 3 =
	FACU species		X 4 =
	UPL species		X 5 =
	Column Totals	(A)	(B)
	Prevalence Index	B/A =	Is the Prevalence Index ≤ 3.0? Yes _____ No _____
<b>Wetland vegetation criterion met?</b>		Yes <u>X</u> No _____	

**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

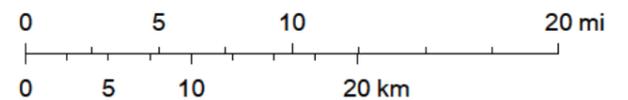
Cover Ranges	
Range	Midpoint
1-5 %	3.0 %
6-15 %	10.5 %
15-25 %	20.5 %
26-50 %	38.0 %
51-75 %	63.0 %
76-95 %	85.5 %
96-100 %	98.0 %

# The National Map Advanced Viewer



7/21/2023, 11:17:27 AM

1:577,791



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National

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Deerfield Senior Housing

ANRAD Submission

\*1"=40' IF PRINTED AT 24"X36"

Revisions

Date: July 25, 2023  
Scale: 1"=40'  
Drawn By:  
Checked By:

Sheet Number

**EX**



DEERFIELD - SENIOR CENTER FEASIBILITY STUDY 03-DESIGN PROCESS DRAWINGS/REVIEWS/030.DWG - PLOT DATE: 7/25/2023