

## **Notice of Intent**

April 24, 2020

**112 Myrtle Street  
Norfolk, Massachusetts**

*Prepared for*

**Theresa McNeely  
112 Myrtle Street  
Norfolk, Massachusetts 02056**

*Prepared by*

**Applied Ecological Sciences**

P.O. Box 184  
Norfolk, MA 02056  
(508) 528-2866  
(508) 740-0438 cell  
email: [rwaldron@earthlink.net](mailto:rwaldron@earthlink.net)

**AES** *Applied Ecological Sciences*  
*P.O. Box 184*  
*Norfolk, MA 02056*

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April 24, 2020

Hand Delivery

Norfolk Conservation Commission  
One Liberty Lane  
Norfolk, MA 02056

RE: Notice of Intent  
112 Myrtle Street  
Norfolk, Massachusetts

Dear Members of the Commission:

On behalf of the Applicant, Ms. Theresa McNeely, I am pleased to submit this *Notice of Intent (NOI)* for the construction of an addition to the existing home at the above referenced property. Applied Ecological Sciences (AES) conducted a site evaluation on March 21, 2020. Wetland resource areas protectable under the *Massachusetts Wetlands Protection Act* (M.G.L. c. 131, s. 40), the implementing *Regulations* (310 CMR 10.00), and the Town of Norfolk *Wetland Protection Bylaw and Regulations* were identified and characterized. The upland/wetland boundary to Bordering Vegetated Wetland (BVW) was delineated in the field with red flagging tape. The enclosed *Site Evaluation Report* (Section III) details the results of the field evaluation. A detailed Project Description is included in Section II of this filing.

I am pleased to be of assistance in this matter. Should you have any questions or require additional information please do not hesitate to contact me at (508) 528-2866.

Sincerely,  
*Russell E. Waldron*  
Russell E. Waldron

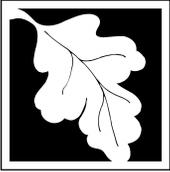
Cc: MA DEP CERO  
Applicant

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## **Notice of Intent Forms**



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

# WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Norfolk

City/Town

**Important:**

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



**Note:**

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

## A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

112 Myrtle Street

a. Street Address

Norfolk

b. City/Town

02056

c. Zip Code

Latitude and Longitude:

9-32

f. Assessors Map/Plat Number

42-07-50

d. Latitude

71-21-12

e. Longitude

29

g. Parcel /Lot Number

2. Applicant:

Theresa

a. First Name

McNeely

b. Last Name

c. Organization

112 Myrtle Street

d. Street Address

Norfolk

e. City/Town

MA

f. State

02056

g. Zip Code

508-523-9511

h. Phone Number

i. Fax Number

Tmcn112@gmail.com

j. Email Address

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

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

Russell E.

a. First Name

Waldron

b. Last Name

Applied Ecological Sciences (AES)

c. Company

P.O. Box 184

d. Street Address

Norfolk

e. City/Town

MA

f. State

02056

g. Zip Code

(508) 740-0438

h. Phone Number

i. Fax Number

rwaldron@earthlink.net

j. Email address

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

\$110.00

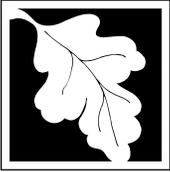
a. Total Fee Paid

\$42.50

b. State Fee Paid

\$67.50

c. City/Town Fee Paid



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

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

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### A. General Information (continued)

6. General Project Description:

Addition to an existing single-family home.

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

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

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1.  Yes  No      If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Norfolk

a. County

13785

c. Book

b. Certificate # (if registered land)

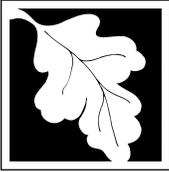
0259

d. Page Number

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

- Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands

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**B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)**

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - <b>specify coastal or inland</b>	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: \_\_\_\_\_ square feet

4. Proposed alteration of the Riverfront Area:

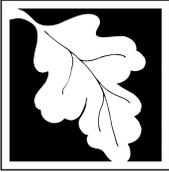
a. total square feet \_\_\_\_\_ b. square feet within 100 ft. \_\_\_\_\_ c. square feet between 100 ft. and 200 ft. \_\_\_\_\_

5. Has an alternatives analysis been done and is it attached to this NOI?  Yes  No

6. Was the lot where the activity is proposed created prior to August 1, 1996?  Yes  No

3.  Coastal Resource Areas: (See 310 CMR 10.25-10.35)

**Note:** for coastal riverfront areas, please complete **Section B.2.f.** above.



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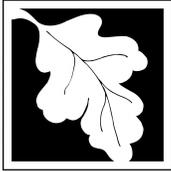
City/Town

**B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)**

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	
	_____	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	
	_____	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	_____	
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____	_____
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings



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### C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

#### Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to [http://maps.massgis.state.ma.us/PRI\\_EST\\_HAB/viewer.htm](http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm).

- a.  Yes  No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program  
Division of Fisheries and Wildlife  
1 Rabbit Hill Road  
Westborough, MA 01581**

2017

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review:

1.  Percentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2.  Assessor's Map or right-of-way plan of site

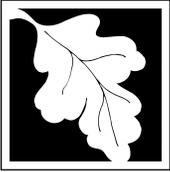
2.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work --

(a)  Project description (including description of impacts outside of wetland resource area & buffer zone)

(b)  Photographs representative of the site

· Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

-- MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

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

- (c)  MESA filing fee (fee information available at [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_fee\\_schedule.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm)). Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

*Projects altering 10 or more acres of land, also submit:*

- (d)  Vegetation cover type map of site
- (e)  Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following
1.  Project is exempt from MESA review.  
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_exemptions.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm); the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
  2.  Separate MESA review ongoing. \_\_\_\_\_  
a. NHESP Tracking # \_\_\_\_\_ b. Date submitted to NHESP
  3.  Separate MESA review completed.  
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a.  Not applicable – project is in inland resource area only      b.  Yes     No

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

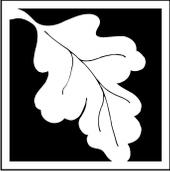
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [DMF.EnvReview-South@state.ma.us](mailto:DMF.EnvReview-South@state.ma.us)

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [DMF.EnvReview-North@state.ma.us](mailto:DMF.EnvReview-North@state.ma.us)

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

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

**Online Users:**

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

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a.  Yes  No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a.  Yes  No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a.  Yes  No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a.  Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1.  Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
  2.  A portion of the site constitutes redevelopment
  3.  Proprietary BMPs are included in the Stormwater Management System.
- b.  No. Check why the project is exempt:
1.  Single-family house
  2.  Emergency road repair
  3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

### D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

# WPA Form 3 – Notice of Intent

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Provided by MassDEP:
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Norfolk
City/Town

## D. Additional Information (cont'd)

3.  Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4.  List the titles and dates for all plans and other materials submitted with this NOI.

Building Permit Plan

a. Plan Title

Dunn McKenzie, Inc.

James Nieva P.L.S.

b. Prepared By

c. Signed and Stamped by

5/7/18

1" = 30'

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

5.  If there is more than one property owner, please attach a list of these property owners not listed on this form.

6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7.  Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8.  Attach NOI Wetland Fee Transmittal Form

9.  Attach Stormwater Report, if needed.

## E. Fees

1.  Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2694

2. Municipal Check Number

4/18/2020

3. Check date

2693

4. State Check Number

4/18/2020

5. Check date

Theresa

6. Payor name on check: First Name

McNeely

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 3 – Notice of Intent**

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**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.

*Heena McKeely*  
1. Signature of Applicant

*4/18/2020*  
2. Date

3. Signature of Property Owner (if different)  
*R. Waldron*  
5. Signature of Representative (if any)

4. Date  
*4/18/2020*  
6. Date

**For Conservation Commission:**

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

**For MassDEP:**

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

**Other:**

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



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

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



**A. Applicant Information**

1. Location of Project:

112 Myrtle Street	Norfolk
a. Street Address	b. City/Town
2693	\$42.50
c. Check number	d. Fee amount

2. Applicant Mailing Address:

Theresa	McNeely	
a. First Name	b. Last Name	
c. Organization		
112 Myrtle Street		
d. Mailing Address		
Norfolk	MA	02056
e. City/Town	f. State	g. Zip Code
508-523-9511	Tmcn112@gmail.com	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

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

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

**B. Fees**

Fee should be calculated using the following process & worksheet. **Please see instructions before filling out worksheet.**

**Step 1/Type of Activity:** Describe each type of activity that will occur in wetland resource area and buffer zone.

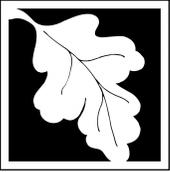
**Step 2/Number of Activities:** Identify the number of each type of activity.

**Step 3/Individual Activity Fee:** Identify each activity fee from the six project categories listed in the instructions.

**Step 4/Subtotal Activity Fee:** Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

**Step 5/Total Project Fee:** Determine the total project fee by adding the subtotal amounts from Step 4.

**Step 6/Fee Payments:** To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



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

**B. Fees** (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 1. (a.)	1	\$110.00	\$110.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
<b>Step 5/Total Project Fee:</b>			\$110.00

**Step 6/Fee Payments:**

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

**C. Submittal Requirements**

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

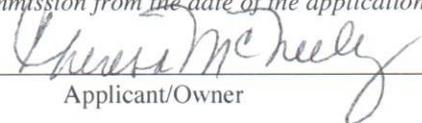
**To MassDEP Regional Office** (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

- g.) Fees for consultants the Commission may require are in addition to these fees and must be paid for by the applicant. The failure of the applicant to pay such fees may be grounds for denial of the project for lack of information.

Please complete:

Type of Activity:	Number of Activities:	Activity Fee:	Sub total:
Category 1. (a.)	1	\$200.00	\$200.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
		<b>Riverfront Fee:</b> (if applicable)	_____
		<b>Total</b>	<b>\$200.00</b>

I have read and accept responsibility for the fees and filing requirements of the Norfolk Conservation Commission. I give permission to the Norfolk Conservation Commission and its agents or staff to enter upon the property for the purposes of gathering information and data that is necessary for the Commission to review the project and issue its decision, which also includes taking photographs or any other materials that are deemed necessary by the Commission from the date of the application until the date of any final certificate of compliance.

X  Applicant/Owner      X 4/18/2020 Date

Wetland Regulations Submittal Requirements and Fee Schedule – revised January 14, 2009

**THERESA McNEELY** 02-96  
112 MYRTLE ST  
NORFOLK, MA 02056

2694  
53-7122/2113

4/18/2021 Date

Pay to the Order of Town of Norfolk \$ 67.50  
Sixty seven and 50/100 Dollars



For \_\_\_\_\_ Theresa McNeely MP

⑆ 211371227⑆ 0264002858⑆ 2694

**THERESA McNEELY** 02-96  
112 MYRTLE ST  
NORFOLK, MA 02056

2695  
53-7122/2113

4/18/2020 Date

Pay to the Order of Town of Norfolk \$ 200.00  
Two hundred and 00/100 Dollars



For \_\_\_\_\_ Theresa McNeely MP

⑆ 211371227⑆ 0264002858⑆ 2695

**THERESA McNEELY** 02-96  
112 MYRTLE ST  
NORFOLK, MA 02056

2693  
53-7122/2113

April 18, 2020 Date

Pay to the Order of Commonwealth of Massachusetts \$ 42.50  
Forty two and 50/100 Dollars



For \_\_\_\_\_ Theresa McNeely MP

⑆ 211371227⑆ 0264002858⑆ 2693

## **AFFIDAVIT OF SERVICE**

Under the *Massachusetts Wetlands Protection Act*

(To be submitted to the *Massachusetts Department of Environmental Protection* and the  
Conservation Commission when filing a Notice of Intent)

I, Russell E. Waldron, here-by certify under the pains and penalties of perjury that on April 27, 2020 I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by Theresa McNeely with the Norfolk Conservation Commission on April 27, 2020 for property located at 112 Myrtle Street in Norfolk, Massachusetts.

The form of notification, and a list of the abutters to whom it was given and their addresses are attached to this Affidavit of Service.

Signed: *Russell E. Waldron*

Dated: 4/24/2020

**Notification to Abutters Under the  
Massachusetts Wetlands Protection Act and the  
Town of Norfolk Wetlands Protection Bylaw**

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40 and Section 8(3)(a) 2 of the Town of Norfolk *Wetland Protection Bylaw Regulations*, you are hereby notified of the following:

- A. The name of the Applicant is Theresa McNeely.
- B. The Applicant has filed a *Notice of Intent (NOI)* with the Norfolk Conservation Commission seeking permission to remove, fill, dredge or alter an Area Subject to Protection Under the *Massachusetts wetlands Protection Act* (M.G.L. 131, § 40), the implementing *Regulations* (310 CMR 10.00), and the Town of Norfolk *Wetland Protection Bylaw and Regulations*.
- C. The address of the lot where activity is proposed is 112 Myrtle Street.
- D. Copies of the *NOI* may be examined at the Conservation Commission Office at One Liberty Lane, Norfolk, MA between the hours of 9:00 AM and 5:00 PM, Monday through Wednesday and between 9:00 AM and 7:30 PM on Thursdays.  
  
For more information you may call the Applicant's representative Applied Ecological Sciences (AES) at (508) 740-0438 or via email at [rwaldron@earthlink.net](mailto:rwaldron@earthlink.net).
- E. Copies of the *NOI* may be obtained from the Applicant's representative (for a fee) by calling (508) 740-0438 between the hours of 8:00 AM and 5:00 PM, Monday through Friday or via email at [rwaldron@earthlink.net](mailto:rwaldron@earthlink.net).
- F. Information regarding the date, time, and place of the public hearing may be obtained from the Norfolk Conservation Commission by calling (508) 541-8455 between the hours of 9:00 AM and 5:00 PM, Monday through Wednesday, and between 9:00 AM and 7:30 PM on Thursdays.

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

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

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

**Central Region: (508) 792-7650**

Northeast Region: (617) 654-6500

Southeast Region: (508) 946-2700

Western Region: (413) 784-1100

CERTIFIED ABUTTERS' LIST

Parcel ID	Location	Owner Name/Address
0009-0032-0029	112 MYRTLE ST	MCNEELY THERESA 112 MYRTLE ST NORFOLK, MA 02056
----- A B U T T E R S -----		
0009-0012-0006	1 RIVER RD	DONOVAN KAREN B RICHARD P SORICELLI 1 RIVER RD NORFOLK, MA 02056
0009-0012-0007	115 MYRTLE ST	SHERIDAN JOHN F III & LAUREN N CIARDIELLO 115 MYRTLE ST NORFOLK, MA 02056
0009-0012-0008	111 MYRTLE ST	PERRON RICHARD J & SUSAN J SKINNER P.O.BOX 126 NORFOLK, MA 02056
0009-0032-0014	11 GOLD ST	GRONROOS TODD S & KAREN R 11 GOLD ST NORFOLK, MA 02056
0009-0032-0030	110 MYRTLE ST	SANTOS JOSEPH E. & PAULA D. 110 MYRTLE ST NORFOLK, MA 02056
0009-0032-0039	116 MYRTLE ST	PISINI VICTOR A ETUX 22 MAIN ST FRANKLIN, MA 02038
0009-0032-0057	118 MYRTLE ST	PISINI VICTOR A ETUX 22 MAIN ST FRANKLIN, MA 02038
0009-0032-0101	120 MYRTLE ST	KOLENDA CHRISTOPHER & MELINDA WILLIAMS 120 MYRTLE ST NORFOLK, MA 02056

9 parcels listed

TOWN OF NORFOLK

Certified Abutters List

Map & Lot 9-32-29 @ 100'

Date 4/8/2020

By K. Marshall

## **Project Description**

**Proposed Project Description**  
**112 Myrtle Street**  
**Norfolk, Massachusetts**

The Applicant proposes add a 105.3 square-foot (13.5' x 7.8') addition to the southeast corner of the house. Proposed construction activities will take place within the 100-foot Buffer Zone to Bordering Vegetated Wetland (BVW). The closest distance to the BVW boundary is 87 feet. The addition location is currently comprised of crushed stone. The applicant proposes to mitigate the Buffer Zone disturbance at no less than a 1:1 ratio. Mitigation will consist of native shrub plantings along the upland wetland boundary.

Erosion and sedimentation controls consisting of a FilterMitt™ or similar will be installed prior to the start of construction activities. The erosion and sedimentation controls will be properly maintained throughout the construction process and will remain in place until all disturbed soil have been stabilized and re-vegetated. All excavated material not scheduled for reuse will be removed from the site. The site will be kept clean and any trash or debris will be picked up before the end of each day.

**Discussion**

Under 310 CMR 10.01 Introduction and Purpose:

(2) *Purpose. M.G.L. c. 131, § 40 sets forth a public review and decision-making process by which activities affecting Areas Subject to Protection Under M.G.L. c. 131, § 40 are to be regulated in order to contribute to the following interests:*

- protection of public and private water supply*
- protection of ground water supply*
- flood control*
- storm damage prevention*
- prevention of pollution*
- protection of land containing shellfish*
- protection of fisheries*
- protection of wildlife habitat*

Under Section 1 of the Town of Norfolk Wetlands Protection Regulations Introduction and Purpose:

(2) *Purpose: The Bylaw sets forth a public review and decision-making process by which activities affecting Areas Subject to Protection under the Bylaw are to be regulated in order to ensure the protection of the following interests:*

- private and public water supply*
- groundwater and groundwater supply*
- surface water quality in the numerous ponds, rivers, lakes and streams of the Town*

- *flood control - erosion and sedimentation control*
- *storm damage prevention*
- *water pollution prevention*
- *fisheries*
- *wildlife and wildlife habitat*
- *rare species and rare species habitat*
- *aesthetics*
- *agriculture*
- *aquaculture*
- *vernal pools and vernal pool habitat*

**Table 1.**

<b>Interest</b>	<b>Response</b>
1. Private and public water supply.	According to the Massachusetts Geographic Information Systems (MA GIS) <i>Water Supply Protection Areas Map</i> , the site is not located within a Zone II groundwater recharge area or an Interim Wellhead Protection Area.
2. Groundwater and groundwater supply.	See #1 above.
3. Surface water quality in the numerous ponds, rivers, lakes and streams of the Town.	<p>Disturbance to existing, natural vegetation will not be required. The addition location is currently comprised of crushed stone.</p> <p>Erosion and sedimentation controls consisting of a FilterMitt™ will be installed prior to the start of construction activities. The erosion and sedimentation controls will be properly maintained throughout the construction process and will remain in place until all disturbed soils have been stabilized and re-vegetated. All excavated material not scheduled for reuse will be removed from the site. Any excavated material scheduled for reuse will be stockpiled as far from the edge of the BVW as possible. If necessary, any stockpiled material will be covered and contained with additional erosion controls to ensure that no sediment reaches the wetland during rain events. The site will be kept clean and any trash or debris will be picked up before the end of each day.</p> <p>See #1 above.</p>

4. Flood control - erosion and sedimentation control.	Based on the Federal Emergency Management Agency Flood Insurance Rate Map for the town of Norfolk, Massachusetts (Map No. 25021C0163E), the construction site is located within Zone X (non-shaded), <i>Areas determined to be outside the 0.2% annual chance floodplain.</i>  See #3 above.
5. Storm damage prevention.	See #3 above.
6. Water pollution prevention.	See #3 above.
7. Fisheries	Not applicable.
8. Wildlife and wildlife habitat.	Disturbance to existing, natural vegetation will not be required. The addition location is currently comprised of crushed stone.  See #9 below.
9. Rare species and rare species habitat.	According to the <i>Massachusetts Natural Heritage and Endangered Species Program</i> habitat map ( <a href="http://maps.massgis.state.ma.us/map_ol/oliver.php">http://maps.massgis.state.ma.us/map_ol/oliver.php</a> ), the construction site is not located within an Estimated Habitat of Rare Wildlife or a Priority Habitat of Rare Species.
10. Aesthetics	Disturbance to existing, natural vegetation will not be required. The Applicant proposes native plantings to mitigate Buffer Zone disturbance.
11. Agriculture	Not applicable.
12. Aquaculture	Not applicable.
13. Vernal pools and vernal pool habitat.	According to the <i>Massachusetts Natural Heritage and Endangered Species Program</i> habitat map ( <a href="http://maps.massgis.state.ma.us/map_ol/oliver.php">http://maps.massgis.state.ma.us/map_ol/oliver.php</a> ), the construction site is not located within an Estimated Habitat of Rare Wildlife or a Priority Habitat of Rare Species.

## **Site Evaluation and Wetland Delineation Report**

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**Site Evaluation and Wetland Delineation  
112 Myrtle Street  
Norfolk, Massachusetts**

**Introduction**

A site evaluation was conducted at the above referenced property on March 21, 2020. Wetland resource areas protectable under the *Massachusetts Wetlands Protection Act* (M.G.L. c. 131, § 40), the implementing *Regulations* (310 CMR 10.55(2)), and the Town of Norfolk *Wetlands Protection Bylaw and Regulations* were identified and characterized. The upland/wetland boundary to Bordering Vegetated Wetland (BVW) delineated in the field with red flagging tape. Resulting data describing the floristic, edaphic, and topographic characteristics of the property has been utilized in the preparation of this *Site Evaluation*. The following narrative provides a general site description, wetland delineation methodology, and wetland resource description.

**General Site Description**

The subject property encompasses a residential lot located easterly of Myrtle Street in Norfolk, Massachusetts. Topography of the site is generally flat. A single-family home with unattached garage and open, manicured lawn occupies the western portion of the site. The remainder of the property is forested. Residential development abuts the site to the south. Forested land lies to the north and east.

**Forested Upland Description**

A moderately dense canopy of Norway Maple (*Acer platanoides*), Red Maple (*Acer rubrum*), Slippery Elm (*Ulmus rubra*), Black Cherry (*Prunus serotina*), and Eastern White Pine (*Pinus strobus*) dominates vegetation within the forested uplands. The woody understory consists of saplings from the canopy, Japanese Honeysuckle (*Lonicera japonica*), Multiflora Rose (*Rosa multiflora*), Crabapple (*Malus* spp.), and Eastern Burning bush (*Euonymus atropurpureus*). Ground cover species include seedlings from the canopy and shrub layers and Hay-Scented Fern (*Dennstaedtia punctilobula*).

**Soils**

Soils underlying the uplands consist of somewhat excessively drained Merrimac (254B, MmB), fine sandy loam, 3% to 8% slopes. The wetland is underlain by very poorly drained Scarboro and Birdsall soils (10, Sb) (USDA SCS 1989, Map #28).

## **Wetland Delineation Methodology**

The extent of vegetated wetland was determined through observations of the existing plant communities while verifying wetland hydrology through interpretation of soil characteristics and other indications of surface hydrology. Soils were analyzed for texture and color to determine soil morphology in accordance with the most up to date standards including *Field Indicators for Identifying Hydric Soils in New England* (2019). Evidence of surface hydrology was determined through visual inspection of existing site conditions, including typical indicators such as water marks, drift-lines, water-stained leaves, sediment deposits, and drainage patterns.

## **Wetland Resource Description**

Wetland resources associated with the site include Bordering Vegetated Wetland (BVW), Inland Bank, and Bordering Land Subject to Flooding (BLSF).

### **Bordering Vegetated Wetland (BVW)**

Seasonally saturated to seasonally flooded Forest Swamp (PFO1/E-C) (Cowardin et al 1979) is located within the northern and western portions of the site. Topography within the BVW is generally flat with distinct pit and mound micro-topography, drainage patterns, and leaf staining evident throughout. A moderately dense canopy of Red Maple and Slippery Elm dominates vegetation within the wetland. The woody understory consists of saplings from the canopy, Silky Dogwood (*Cornus amomum*), Winterberry (*Ilex verticillata*), Common Elderberry (*Sambucus canadensis*), Highbush Blueberry (*Vaccinium corymbosum*), Southern Arrowwood (*Viburnum dentatum*), Riverbank Grape (*Vitis riparia*), and Glossy Buckthorn (*Frangula alnus*). Ground cover species include seedlings from the canopy and understory, Jewelweed (*Impatiens capensis*), Skunk Cabbage (*Symplocarpus foetidus*), Sphagnum Moss (*Sphagnum* sp.), Sensitive Fern (*Onoclea sensibilis*), and Tussock Sedge (*Carex stricta*).

*The upland/wetland boundary to BVW located on or adjacent to site is delineated in the field with AES flagging stations #1 through #20.*

### **Inland Bank**

Inland Bank located on the site is associated with a mapped intermittent stream. The stream flows generally northerly to its confluence with the *Charles* River. A well-defined channel, approximately six to eight feet wide and twelve inches deep with a mud/sand streambed characterizes the stream. The banks are approximately twelve inches high and vegetated with wetland plant species. Approximately four to six inches of moderate flow was observed within the channel at the time of the evaluation.

### **Bordering Land Subject to Flooding (BLSF)**

Based on the Federal Emergency Management Agency Flood Insurance Rate Map for the town of Norfolk, Massachusetts (Map No. 25021C0163E), the site is located within Zone X (non-shaded), *Areas determined to be outside the 0.2% annual chance floodplain; Zone X (shaded), Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% chance annual flood; and Zone AE; Special flood areas subject to inundation by the 1% annual chance flood. Base flood elevations determined.* The base flood elevation established for the site is 137.8 to 138 feet.

### **NHESP Estimated & Priority Habitat**

According to the *Massachusetts Natural Heritage and Endangered Species* habitat map, the eastern portion of the site is located within an Estimated Habitat of Rare Wildlife and a Priority Habitat of Rare Species (PH 949).

### **Water Supply Protection Area**

Based upon to the Massachusetts Geographic Systems *Water Supply Protection Map*, the site is not located within a Zone II recharge area or an Interim Wellhead Protection Area (IWPA).

### **Outstanding Resource Water (ORW)**

Based upon to the Massachusetts Geographic Systems *Outstanding Resource Waters Map*, the site is not located within a contributing watershed to an ORW.

### **Buffer Zone**

Buffer Zone, as defined at 310 CMR 10.04, means:

*The area of land extending 100 feet horizontally outward from the boundary of any area specified in 310 CMR 10.02(1)(a).*

Section 3(1)(a) of the Town of Norfolk *Wetland Protection Bylaw Regulations* provides for:

*An undisturbed forest or naturally vegetated buffer at least 50 feet wide around any Resource Area specified in Section 2(1)(a), (c) and (f).*

The western portion of the site is contained within the regulatory Buffer Zones.

## **References**

- Cowardin et al, 1979. *A Classification of Wetlands and Deepwater Habitats of the United States*. United States Department of the Interior, Fish and Wildlife Service. FWS/OBS-79/31.
- Federal Emergency Management Agency (FEMA) Map Service Center, [www.fema.gov](http://www.fema.gov).
- Massachusetts Geographic Systems (MAGIS), [www.mass.gov/mgis](http://www.mass.gov/mgis).
- Natural Resources Conservation Service, [www.nesoil.com](http://www.nesoil.com), [websoilsurvey.nrcs.usda.gov](http://websoilsurvey.nrcs.usda.gov).
- New England Hydric Soils Technical Committee, 2019, 4th Ed. *Field Indicators for Identifying Hydric Soils in New England*. New England Interstate Water Pollution Control Commission. Lowell, MA.
- United States Department of Agriculture, Soil Conservation Service, 1989. *Soil Survey of Norfolk and Suffolk Counties, Massachusetts*.

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

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

Applicant: \_\_\_\_\_ Prepared by: Applied Ecological Sciences (AES) Project location: 112 Myrtle Street DEP File #: \_\_\_\_\_  
Norfolk, MA

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)

**DP-1 @ AES #13 - #14**

**Section I. Vegetation** Observation Plot Number: **DP-1 UPL** Transect Number: **1** Date of Delineation: **3/21/2020**

A. Sample Layer and Plant Species (by common/scientific name) B. Percent Cover (or dominance ratio) C. Percent Dominance D. Dominant Plant (yes or no) E. Wetland Indicator Category

**Trees**

Absent

TOTAL COVER = 0.0

**Woody Vines:**

Absent

TOTAL COVER = 0.0

**Shrubs:**

Absent

TOTAL COVER = 0.0 #DIV/0!

**Saplings:**

Absent

TOTAL COVER = 0.0

**Ground Cover**

Kentucky Bluegrass (*Poa pratensis*)

100%

yes

FACU

TOTAL COVER = 85.0

TOTAL COVER = 85.0

**Vegetation conclusion:**

Number of dominant wetland indicator plants: **0**

Number of dominant non-wetland indicator plants: **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**  
 DP-1 UPL

Other indicators of Hydrology: (check all that apply)

- 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 BWV:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded data (stream, lake, or tidal gauge; aerial photo; other)
- Other:

**1. Soil Survey** (nesoil.com, websoilsurvey.nrcs.usda.gov)

Is there a published soil survey for this site? Yes  
**title/date:** Soil Survey of Norfolk & Suffolk Counties, MA, 1989.  
**map number:** 28  
**soil type mapped:** Merrimac (254B, MmB), SED, fsl, 3% to 8% slopes.

**hydric soil inclusions:** None

Are field observations consistent with soil survey? No

**Remarks:**

**2. Soil Description**

Horizon	Depth	Matrix color	Redoximorphic features
A	0" - 18"	2.5Y 3/1 sl	
Bw1	18"+	10YR 4/3 sl	

**Remarks:** Landscape position: foot slope, 0% - 3%

**3. Other:** Sunny, dry

**Conclusion: Is soil hydric?** No

**Vegetation and Hydrology Conclusion:**

	yes	no
Number of wetland indicator plants greater than or equal to 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 BWV</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Applicant: \_\_\_\_\_

Prepared by: **Applied Ecological Sciences (AES)**

Project location: \_\_\_\_\_

**112 Myrtle Street  
Norfolk, MA**

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)

**DP-2 @ AES #13 - #14**

**Section I. Vegetation**      Observation Plot Number: **DP-2 WET**      Transect Number: **1**      Date of Delineation: **3/21/2020**

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or dominance ratio)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category
<b>Trees</b>				
Absent				
<b>Woody Vines:</b>				
Absent				
<b>Shrubs:</b>				
Silky Dogwood ( <i>Cornus amomum</i> )	10.5	8%	no	FACW*
Common Elderberry ( <i>Sambucus canadensis</i> )	20.5	16%	no	FACW-*
Glossy Buckthorn ( <i>Frangula alnus</i> )	38.0	29%	yes	FAC*
Witch-Hazel ( <i>Hamamelis virginiana</i> )	63.0	48%	yes	FAC-
<b>Saplings:</b>				
Absent				
<b>Ground Cover</b>				
Jewelweed ( <i>Impatiens capensis</i> )	63.0	33%	yes	FACW*
Joe-Pye-Weed ( <i>Eupatorium maculatum</i> )	63.0	33%	yes	FACW*
Pussytoes ( <i>Antennaria</i> spp.)	63.0	33%	yes	NI
<b>TOTAL COVER =</b>	<b>189.0</b>			
<b>TOTAL COVER =</b>	<b>0.0</b>			
<b>TOTAL COVER =</b>	<b>0.0</b>			

**Vegetation conclusion:**

Number of dominant wetland indicator plants: **3**

Number of dominant non-wetland indicator plants: **1**

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**  
**DP-2 WET**

Other indicators of Hydrology: (check all that apply)

- Site inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole: 4"
- Water marks:
- Drift lines:
- Sediment deposits:
- Drainage patterns in BWW: Mod. Distinct
- Oxidized rhizospheres:
- Water-stained leaves: Faint
- Recorded data (stream, lake, or tidal gauge; aerial photo; other)
- Other:

**1. Soil Survey** (nesoil.com, websoilsurvey.nrcs.usda.gov)

Is there a published soil survey for this site?

**title/date:** Soil Survey of Norfolk & Suffolk Counties, MA, 1989.

**map number:** 28

**soil type mapped:** Scarboro & Birdsall (10, Sb), VPD, 0% to 3% slopes.

**hydric soil inclusions:** Swansea, Raynham, Walpole

Are field observations consistent with soil survey? No  
**Remarks:**

**2. Soil Description**

Horizon	Depth	Matrix color	Redoximorphic features
A	0"- 8"	10YR 3/2 sl	
Bw1	8"- 16"+	10YR 5/2 sl	10YR 6/1 c/2/f (10%)

**Remarks:** Landscape position: toe slope, 0% - 3%

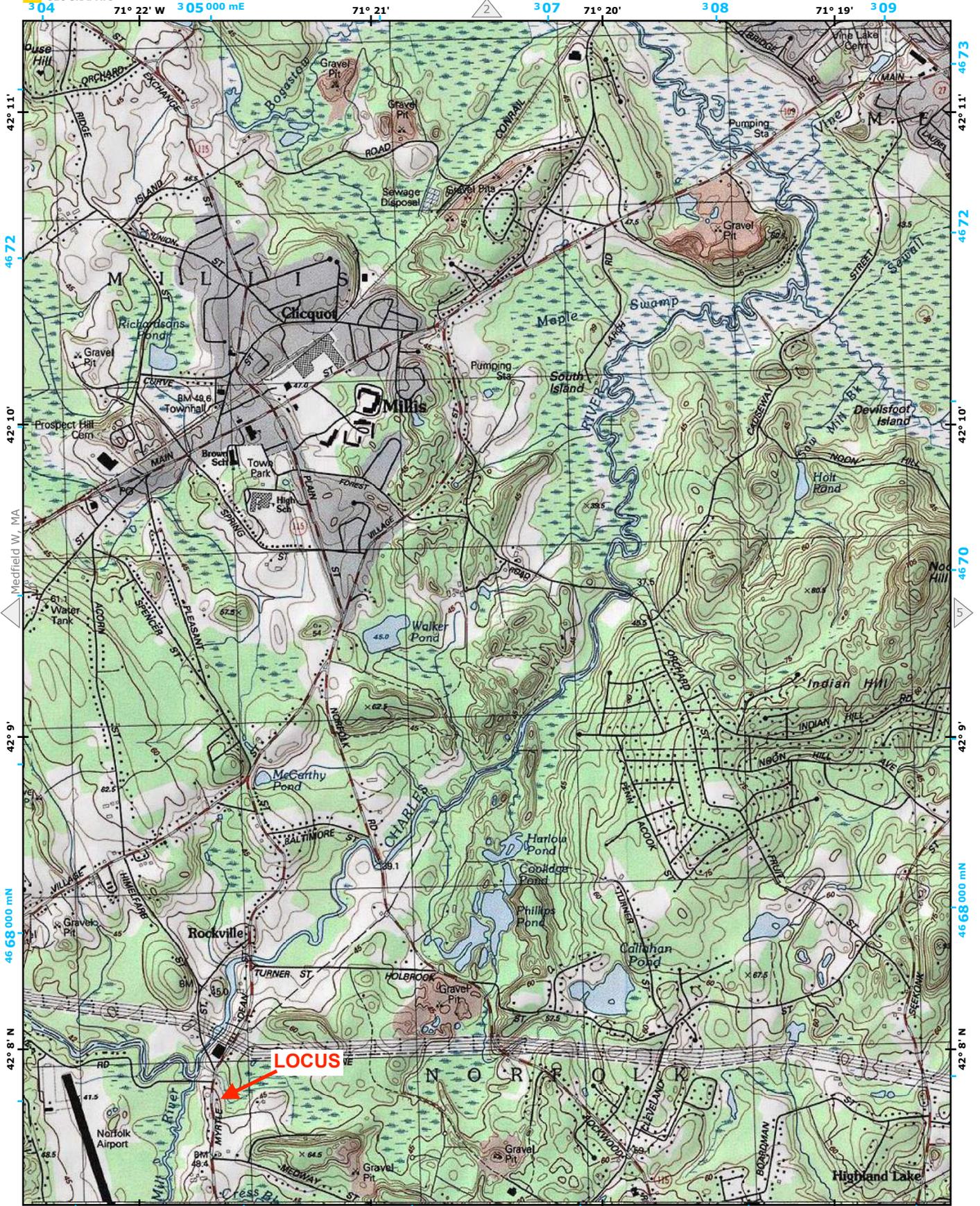
**3. Other:** Sunny, dry

**Conclusion: Is soil hydric?** Yes

**Vegetation and Hydrology Conclusion:**

	yes	no
Number of wetland indicator plants greater than or equal to 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 BWW</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

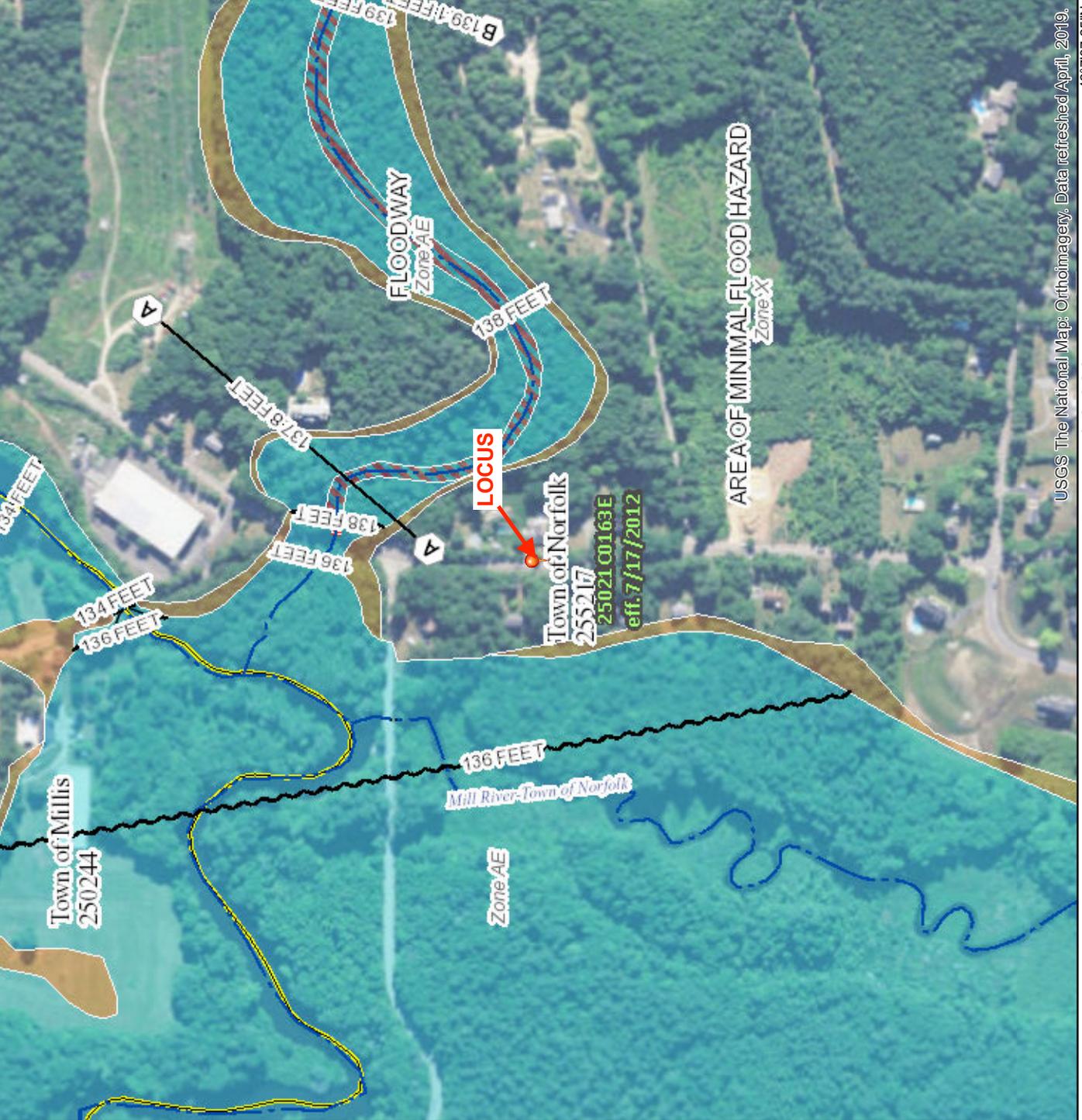
**Appendix B**  
**U.S.G.S Topo Map**  
**FEMA Map**  
**NHESP Map**



# National Flood Hazard Layer FIRMette



42° 8' 3.93" N



USGS The National Map: Orthoimagery. Data refreshed April, 2019.

42° 7' 37.25" N

1:6,000

Feet

2,000

1,500

1,000

500

250

0

## Legend

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

**SPECIAL FLOOD HAZARD AREAS**

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

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile  
*Zone X*

**OTHER AREAS OF FLOOD HAZARD**

- Future Conditions 1% Annual Chance Flood Hazard  
*Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes.  
*Zone X*
- Area with Flood Risk due to Levee  
*Zone D*

**OTHER AREAS**

- Area of Minimal Flood Hazard  
*Zone X*
- Effective LOMR
- Area of Undetermined Flood Hazard  
*Zone D*

**GENERAL STRUCTURES**

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**

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

**MAP PANELS**

- Digital Data Available
- No Digital Data Available
- Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/14/2020 at 7:13:40 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

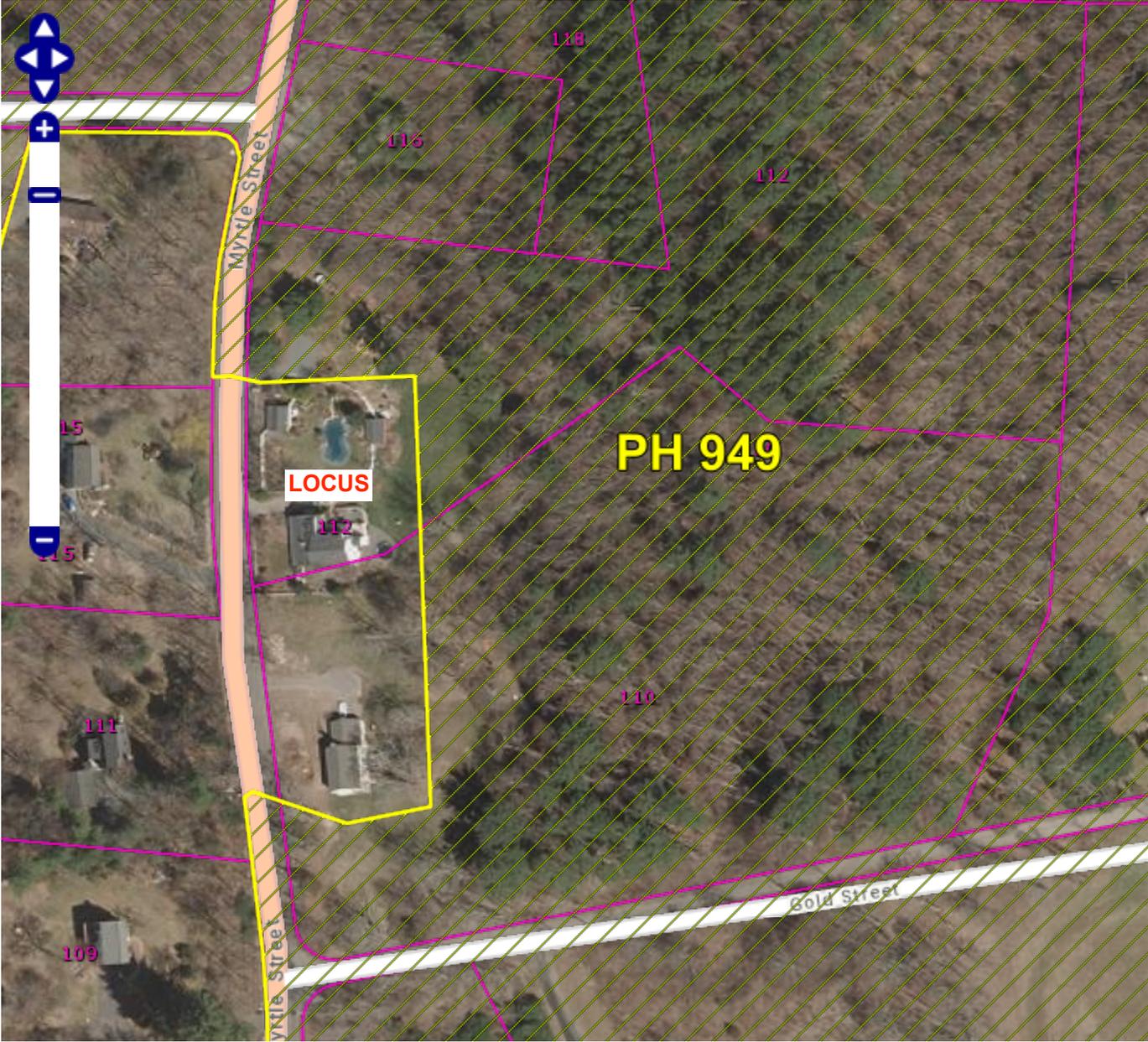
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

71° 21' 22.38" W

71° 21' 59.84" W

 OLIVER: MassGIS's Online Mapping Tool [OLIVER Updates](#)



**PH 949**

**LOCUS**

Myrtle Street

Gold Street

118, 116, 112, 110, 111, 109, 115, 115