



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Wales
City/Town

WPA Form 1- Request for Determination of Applicability

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

A. General Information

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



1. Applicant:

Norcross Wildlife Foundation

danjwilder@norcrosswildlife.org

Name

E-Mail Address

30 Peck road

Mailing Address

Wales

MA

01081

City/Town

State

Zip Code

413-245-1264

Phone Number

Fax Number (if applicable)

2. Representative (if any):

Firm

Contact Name

E-Mail Address

Mailing Address

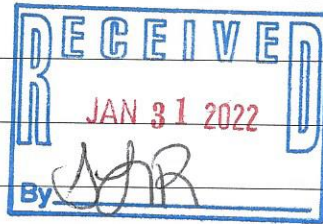
City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)



B. Determinations

1. I request the Wales Conservation Commission make the following determination(s). Check any that apply:

- ☐ a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- ☐ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- ☒ c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- ☐ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Name of Municipality

- ☐ e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



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C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

~369 Wales Rd

Street Address

159

Assessors Map/Plat Number

Monson

City/Town

002C

Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

Chapin Meadow sits on the Monson/Wales border and is composed of a nearly level bottomland bordered on both sides by moderate to steep, woodland hillsides. The site is characterized by glacial drift deposits, it is well-drained, and more fertile than the till deposits that tend to dominate the region. Within this site is a prominent drumlin with revictual pitch pines that have been mostly overtaken by white pine and red maple. Invasive species are prevalent on-site; multiflora rose (*Rosa multiflora*), autumn olive (*Elaeagnus umbellata*), common buckthorn (*Rhamnus cathartica*), and Morrow's honeysuckle (*Lonicera morrowii*) are all present in small to moderate amounts. Oriental bittersweet (*Celastrus orbiculatus*) and Japanese barberry (*Berberis thunbergii*) dominate large areas of the meadow edges and forest understory.

- c. Plan and/or Map Reference(s):

Parcel ID 159_002C, Location ID F_446369_2847724 via Mass Mapper

Title

1/21/2022

Date

Chapin Land Cover Map 2014 - attached

Title

2014

Date

Chapin Topo (USGS Topographic Map)

Title

1/21/2022

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

see attached

2. a. Work Description

Removal of invasive species. This work is a part of a larger habitat-improvement project aimed at restoring the cryptic pitch pine barren situated on the drumlin labeled as 'White Pine – 38' on the Chapin Meadow Land Cover Map 2014 (attached).

The majority of the work will be accomplished in two areas. These two areas are along the edges of the meadows (labeled as Wildflower Meadow – 22 acres) and within the understory of the area labeled as Red Maple – Pitch Pine – 4 acres). The third area is significantly smaller than the first two and is the area between the drumlin (labeled as White Pine – 38) and Vinica brook. While all invasive species will be treated the majority of the work will be targeted towards Asian bittersweet (*Celastrus orbiculatus*) on the meadow edges and Japanese barberry (*Berberis thunbergii*) under the maple/pine canopy. See below for detailed removal plans from our Invasive Removal Plan with Parterre Ecological Services (full plan available upon request).

1. Initial Barberry and Invasive Management in Woodland Understory

Identification and initial herbicide application of invasive Barberry (*Berberis thunbergii*), Bittersweet (*Celastrus orbiculatus*), and Multiflora Rose (*Rosa multiflora*) in woodland understory. Foliar herbicide applications will be completed with hand-pumped backpack sprayers mixed with a triclopyr based herbicide (trade name Garlon 3A). All Bittersweet found growing up trees will be cut & the stumps dabbed.

2. Initial Woodland Edge and Meadow Management

Identification and initial herbicide application of invasive Barberry (*Berberis thunbergii*), Bittersweet (*Celastrus orbiculatus*), and Multiflora Rose (*Rosa multiflora*) along woodland edges and meadow areas. Foliar herbicide applications will be completed with handpumped backpack sprayers mixed with a triclopyr based herbicide (trade name Garlon 3A). All Bittersweet found growing up trees will be cut out of trees & stumps dabbed with herbicide.

3. Initial Brook Bank Invasive Plant Management

Identification and initial cut & dab herbicide application of invasive Morrow's Honeysuckle (*Lonicera morrowii*), Bittersweet (*Celastrus orbiculatus*), and Multiflora Rose (*Rosa multiflora*) along Brook bank edge. Cut & dab herbicide application will be completed with a triclopyr based herbicide (trade name Garlon 3A).



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C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

The proposed work will not "remove, fill, dredge or alter" any areas at the Chapin Meadow site.

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- ☐ Single family house on a lot recorded on or before 8/1/96
- ☐ Single family house on a lot recorded after 8/1/96
- ☐ Expansion of an existing structure on a lot recorded after 8/1/96
- ☐ Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- ☐ New agriculture or aquaculture project
- ☐ Public project where funds were appropriated prior to 8/7/96
- ☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- ☐ Residential subdivision; institutional, industrial, or commercial project
- ☐ Municipal project
- ☐ District, county, state, or federal government project
- ☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



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D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Norcross Wildlife Foundation

Name

PO Box 269

Mailing Address

Wales

City/Town

MA

State

01081

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

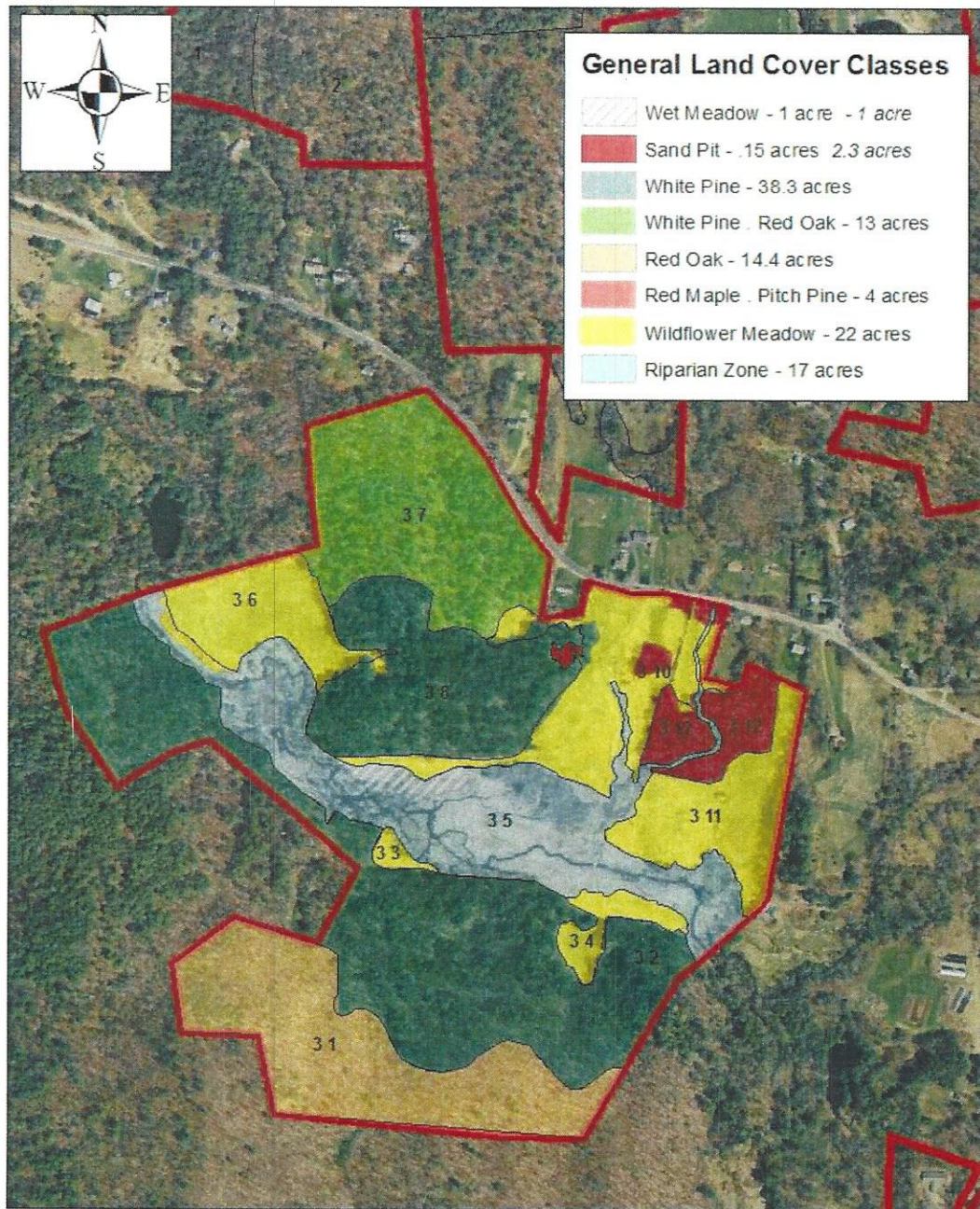
Date

2/22/22

Signature of Representative (if any)

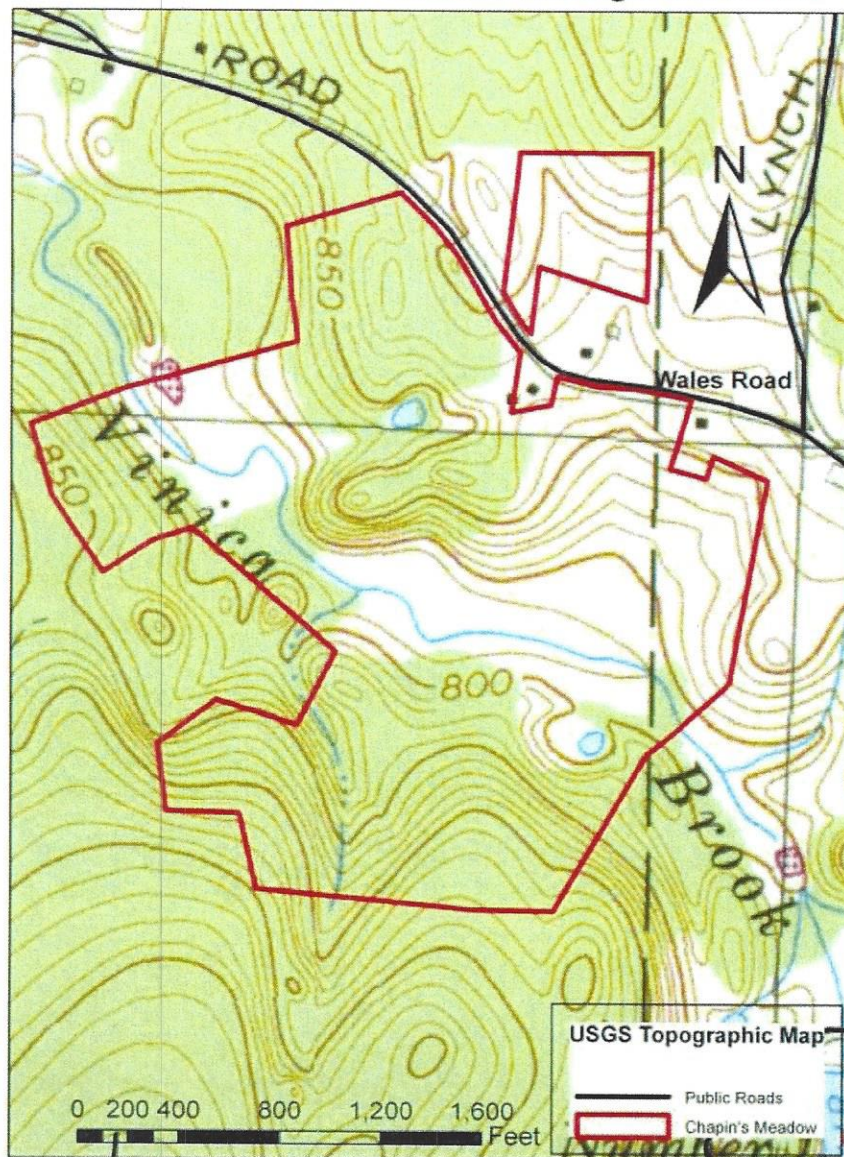
Date

Chapin Meadow Land Cover - 2014



dfdonahue 10/2016

Chapin's Meadow - Wildlife Management Plan



Topography: Chapin Meadow is composed of a nearly level bottomland bordered on both sides by moderate to steep, wooded hillsides. Vinica Brook is the most significant natural feature within this central riparian corridor. Two intermittent watercourses are low-flow tributaries to Vinica Brook. A more significant perennial tributary (Dunham Brook) merges with Vinica a few hundred feet upstream (southeast) of Chapin Meadow. The surface geology is notable because it is entirely different from Tupper Hill. The glacial drift deposits found here (mostly sand particles) are more porous, well-drained, and fertile than the till deposits that tend to dominate the area.