

**NOTICE OF PUBLIC HEARING
SUDBURY CONSERVATION COMMISSION**

The Sudbury Conservation Commission will hold a public hearing to review the Notice of Intent filing under the Wetlands Protection Act and Wetlands Bylaw for pruning and removal of hazard trees within the Buffer Zone and Riverfront Area at 245 Dutton Road, Sudbury MA, Donna Shibley/General Federation of Women's Club of Massachusetts, applicant. The hearing will be held virtually on Monday, January 25, 2021, at 6:45pm, via Zoom. Please see the Conservation Commission web page for further information.

<https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-january-25-2021/>

SUDBURY CONSERVATION COMMISSION
January 4, 2021



General Federation of Women's Clubs of Massachusetts

245 Dutton Road, Post Office Box 679, Sudbury, Massachusetts 01776

December 22, 2020

To the Sudbury Conservation Commission

Please consider this request by GFWC Massachusetts to remove the diseased and damaged trees surrounding our caretakers cottage at 245 Dutton Road, Sudbury. This summer/fall there were two microburst storms that toppled three large trees in the first storm and took down a large limb and scattered debris in the second storm. These storms caused extensive damage to the electric and cable lines servicing the GFWC MA buildings on the property. Fortunately no lives were lost. These trees surrounding the caretakers cottage represent a high risk to the building, to our caretaker and his significant other who reside there.

After our plan is accepted, we would hope to complete the tree removal work in stages (depending on monies available) with a reputable tree removal company. Please accept our application request so we can promptly address this threatening situation.

GFWC Massachusetts is a Sudbury property owner who takes pride in our buildings and land as well as our relationship with the Sudbury Valley Trustees. We had a Forest Management Plan for 10 years and are currently working with Gary Goldrup, New England Forestry Consultants, Inc. to update our existing Forest Stewardship Plan as well as establishing a new Foresters for Birds Program for 2020.

All paperwork and fees has been properly filed with the eDEP Commonwealth of Massachusetts, your office, and the Natural Heritage Endangered Species division of Fisheries and Wildlife. We appreciate your prompt attention to the matter.

I have included a bit of history about our GFWC Massachusetts property:

Our Forest and Wildlife Sanctuary property originally consisted of 277 acres of woodland, wetland and sandy meadow. It became Memorial Forest in 1950 when the then Massachusetts State Federation of Women's Clubs purchased the property from the Wayside Inn. The property included a small cottage, suitable for a caretaker, and a small rustic out building. The next 30 years were active years in the Memorial Forest where members enjoyed picnics, hikes and even canoe rides. At some point during these early years an easement was granted to the Tennessee Gas Company for a pipeline across the back of the property. Granting that easement seemed like a good idea at the time, but over time it came back to be a problem.

Ground was broken for a new GFWC MA Headquarters building in 1986 with dedication the following year. This brought many more members to the Memorial Forest for events ranging from meetings or workshops to art exhibits and receptions.



General Federation of Women's Clubs of Massachusetts

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Trespassers began entering the rear of the property mostly by way of the pipeline easement. Quiet fishermen were not noticed but hunters and teenage motor bike riders created a dangerous situation along with a "chop shop" dealing in stolen vehicles where depositing torched and abandoned stripped cars along the pipeline. The Governor's Task Force on Stolen Cars could not control the situation in

spite of several GFWC MA clean-up operations. When motorcyclists came and built their own make-shift motocross track, the noise attracted so much attention that a new neighbor, a self-employed environmental attorney, filed a law suit. The case was later dismissed but not until after it had caused GFWC MA much anguish and expense.

Through the years the Sudbury Valley Trustees (SVT), a well-respected, well-endowed conservation group, had periodically expressed interest in the Memorial Forest. When it had become clear GFWC MA could no longer successfully manage the western part of the property beyond Hop Brook an arrangement was worked out with the SVT whereby they would manage the western part of the property for three years with the option to buy that western section with the stipulation that it would forever retain the name, "Memorial Forest," and that GFWC MA members would be free to walk the trails at any time. The SVT promptly hired a professional property manager and recruited many volunteers who cleared the dumped cars and other debris, hired police to patrol on bicycles, and compelled the treatment facility to clean up the water pollution and repair or replace its bad equipment. They also rebuilt our foot bridges across the brook. The deed transfer to SVT occurred in 1999.

Feel free to reach out to me for any information that might be needed.

Thank you is extended to Lori Capone, Sudbury Conservation Coordinator who was helpful filling out the required paperwork.

A handwritten signature in cursive script that reads "Donna M. Shibley".

Donna M. Shibley
GFWC Massachusetts President
dmshibley@gmail.com
413-519-1845

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Intent
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1213939
City/Town:SUDBURY

A.General Information

1. Project Location:

a. Street Address	245 DUTTON ROAD		
b. City/Town	SUDBURY	c. Zip Code	01776
d. Latitude	42.22201N	e. Longitude	71.27541W
f. Map/Plat #	J03	g.Parcel/Lot #	0021

2. Applicant:

Individual Organization

a. First Name		b. Last Name	
c. Organization	GENERAL FEDERATION OF MASSACHUSETTS, INC.		
d. Mailing Address	P.O. BOX 679		
e. City/Town	SUDBURY	f. State	MASSACHUSETTS
g. Zip Code	01776	j. Email	dmshibley@gmail.com
h. Phone Number	978-443-1617	i. Fax	

3. Property Owner:

more than one owner

a. First Name	DONNA	b. Last Name	SHIBLEY
c. Organization	GFWC AGAWAM JUNIOR WOMEN'S CLUB		
d. Mailing Address	P.O. BOX 679		
e. City/Town	SUDBURY	f. State	MASSACHUSETTS
g. Zip Code	01776	j. Email	dmshibley@gmail.com
h. Phone Number	978-443-1617	i. Fax	

4. Representative:

a. First Name	DONNA	b. Last Name	SHIBLEY
c. Organization	GFWC MASSACHUSETTS		
d. Mailing Address	55 ROWLEY STREET		
e. City/Town	AGAWAM	f. State	MA
g. Zip Code	01001	j. Email	dmshibley@gmail.com
h. Phone Number	413-519-1845	i. Fax	

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

a. Total Fee Paid	165.00	b. State Fee Paid	70.00	c. City/Town Fee Paid	95.00
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6. General Project Description:

PRUNING AND REMOVAL OF HAZARD TREES WITHIN THE RIVERFRONT AREA.

7a. Project Type:

- | | |
|---------------------------------------------------------------|----------------------------------------------------------------------|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input checked="" type="checkbox"/> Other |

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

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1. Yes No If yes, describe which limited project applies to this project:
 2. Limited Project

8. Property recorded at the Registry of Deeds for:

a. County:	b. Certificate:	c. Book:	d. Page:
SOUTHERN MIDDLESEX		7531	154

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

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

This is a Buffer Zone only project - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.

2. Inland Resource Areas: (See 310 CMR 10.54 - 10.58, if not applicable, go to Section B.3. Coastal Resource Areas)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land under Waterbodies and Waterways	1. Square feet	2. square feet
	3. cubic yards dredged	
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	Hop Brook	
	1. Name of Waterway (if any)	
2. Width of Riverfront Area (check one)	<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only	
	<input type="checkbox"/> 100 ft. - New agricultural projects only	
	<input checked="" type="checkbox"/> 200 ft. - All other projects	
3. Total area of Riverfront Area on the site of the proposed project		96921 square feet
4. Proposed Alteration of the Riverfront Area:		
2500	2500	
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?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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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)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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 Beaches	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
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, crea.
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.Restoration/Enhancement

Restoration/Replacement

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 entered the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5.Projects Involves Stream Crossings

Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

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a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage of Endangered Species program (NHESP)?

a. Yes No

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

Natural Heritage and Endangered Species

Program

Division of Fisheries and Wildlife

1 Rabbit Hill Road

Westborough, MA 01581

b. Date of map:AUGUST 2017

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

1. Percentage/acreage of property to be altered:

(a) within Wetland Resource Area

.003

percentage/acreage

(b) outside Resource Area

percentage/acreage

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

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

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

b. Photographs representative of the site

c. MESA filing fee (fee information available at: <http://www.mass.gov/eca/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" and mail to NHESP at above address

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

d. Vegetation cover type map of site

e. Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the following

1. Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eca/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing.

a. NHESP Tracking Number

b. Date submitted to NHESP

3. Separate MESA review completed.

Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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City/Town:SUDBURY

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?
a. Not applicable - project is in inland resource area only

b. Yes No

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

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

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 S. Rodney French Blvd
New Bedford, MA 02744

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

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

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. Yes No

If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a. Yes No

5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L.c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L.c. 130, § 105)?

a. Yes No

6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a. Yes, Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol.2, Chapter 3)

2. A portion of the site constitutes redevelopment

3. Proprietary BMPs are included in the Stormwater Management System

b. No, Explain why the project is exempt:

1. Single Family Home

2. Emergency Road Repair

Massachusetts Department of Environmental Protection

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3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

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

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

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s). Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
4. List the titles and dates for all plans and other materials submitted with this NOI.

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

245 DUTTON ROAD
TREE REMOVAL

David T. Ropes

12/7/2020

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.

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Provided by MassDEP:
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E. Fees

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

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

2. Municipal Check Number	3. Check date
4. State Check Number GENERAL FEDERATION OF WOMENS CLUBS	5. Check date
6. Payer name on check: First Name	7. Payer name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

Donna M. Shutey
1. Signature of Applicant

12/22/2020
2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

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

For MassDEP:

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

Other:

If the applicant has checked the "yes" box in Section C, Items 1-3, above, refer to that section and the Instructions for additional submittal requirements.

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



140 Washington Street
Holliston, Massachusetts 01746
T 508.429.8733 F 508.429.7991
treespecialists.com

December 7, 2020

Donna Shibley
Massachusetts President
General Federation of Women's Clubs
PO Box 679
245 Dutton Road
Sudbury, MA 01776

RE: High risk trees around the residence at #245 Dutton Road, Sudbury Massachusetts

Dear Donna,

At your request, I visited the Dutton Road property on November 19, 2020, for the purpose of examining approximately 15 trees located around the residence there. While there, I performed a *Level 2 Risk Assessment*, as described in the *American National Standards Institute* (ANSI) publication "A300 (part 9)". This includes a 360-degree, ground-based visual inspection of the tree crown, trunk, trunk flare, above-ground roots, and site conditions around the tree in relation to potential targets. I also used a sounding hammer on the stems, which is a primitive but well-accepted technique for locating significant cavities and decay in trees.

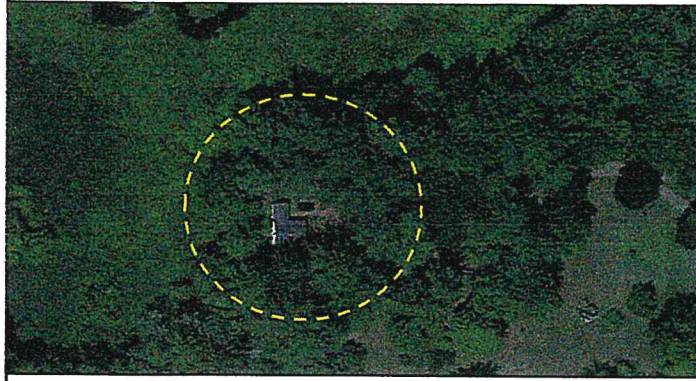
I can confirm that the trees I examined all possessed visible evidence of structural defects and/or structural decay. I also examined a couple of pines nearby that failed in a recent storm, which were of a similar size, age, and structural condition as the standing trees that were marked. Please review the attached images, which clearly illustrate the structural issues observed, including visible cavities, evidence of carpenter ant infestation, co-dominant stems with included bark, stem cracks, etc.

Further, the soil conditions on site, including sandy soil texture and a high water table, results in a very shallow root system that is more prone to uprooting during storm conditions. This is evident by examining the root plate of the uprooted trees (see attached photo). The fact that they are fully exposed to the wind coming across the open wetland is another factor.

Currently there is no tool or technique that allows arborists to predict with certainty if and when individual trees will fail. What we can do is apply our collective knowledge of trees that have failed in the past, and look for those same factors in the trees we are examining.

In this case, many factors are present:

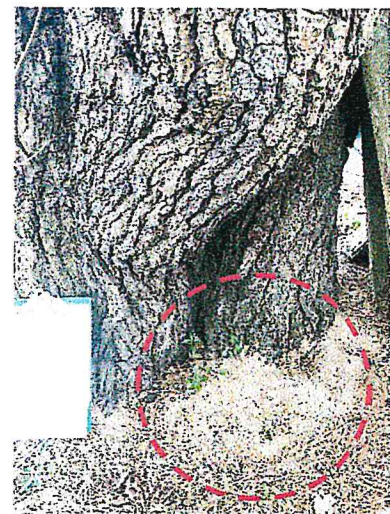
- Structural decay
- Structural defects within major stem structures
- Shallow, sandy soils with a high water table
- Full wind exposure, combined with dense, heavy foliar canopies.



1) Area of concern – surrounding historic residence at #245 Dutton Road, Sudbury



2) Visible cavity at base of large pine



3) Frass (excavated wood) is evidence of carpenter ant activity

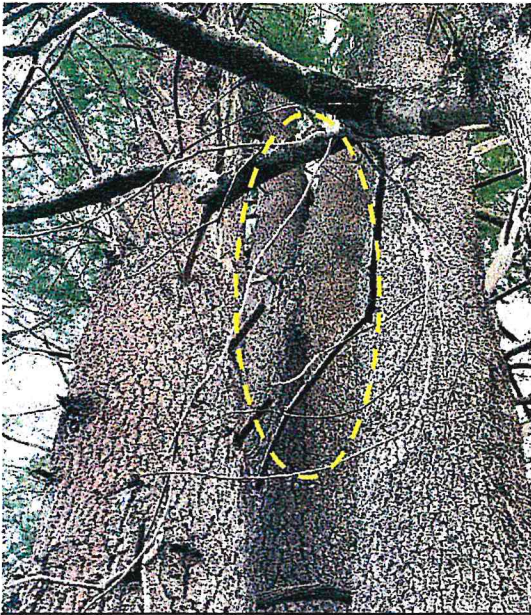


4) Large crack with visible decay is likely an old lightning injury

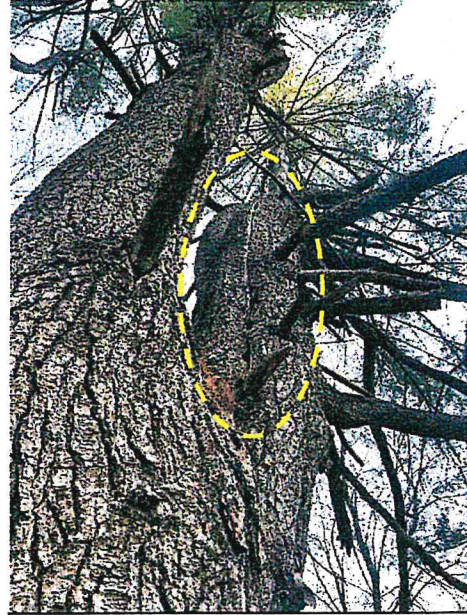


5) "Co-dominant" stem structure also represents significant weakness

images from site – taken on 11/19/20
General Federation of Women's Clubs
245 Dutton Road, Sudbury, MA 01776



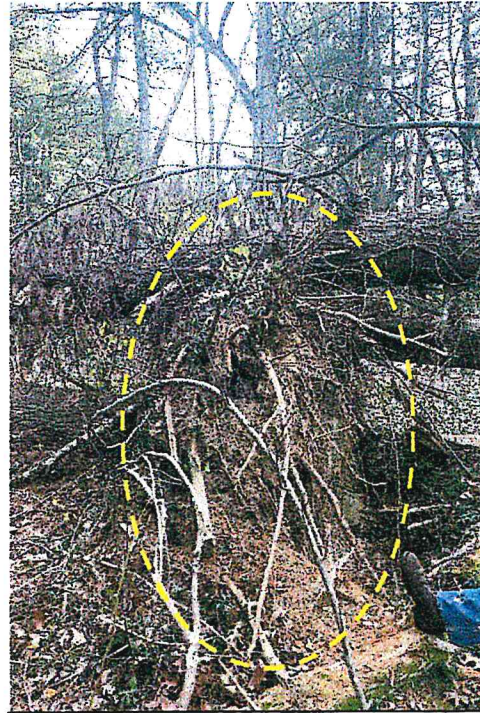
6) Another co-dominant stem with a large seam, further up the trunk on another tree



7) Another tree with crack and associated decay – again, consistent with lightning damage



8) Trunk of nearby tree that failed due to the same types of structural defects as those found in the marked trees



9) Uprooted tree nearby exhibits shallow root system that is common with pines on sandy soils with a high water table



FOREST MANAGEMENT PLAN

Submitted to: Massachusetts Department of Conservation and Recreation
For enrollment in CH61/61A/61B and/or Forest Stewardship Program



CHECK-OFFS					Administrative Box		
CH61 cert. <input type="checkbox"/>	CH61A cert. <input type="checkbox"/>	CH61B cert. <input type="checkbox"/>	STWSHP new <input checked="" type="checkbox"/>	C-S EEA <input type="checkbox"/>	Case No. _____	Orig. Case No. _____	
recert. <input type="checkbox"/>	recert. <input type="checkbox"/>	recert. <input type="checkbox"/>	renew <input type="checkbox"/>	Other <input type="checkbox"/>	Owner ID _____	Add. Case No. _____	
amend <input type="checkbox"/>	amend <input type="checkbox"/>	amend <input type="checkbox"/>	Green Cert <input type="checkbox"/>		Date Rec'd _____	Ecoregion _____	
Plan Change: _____ to _____			Conservation Rest. <input type="checkbox"/>		Plan Period _____	Topo Name <u>Framingham</u>	
			CR Holder _____		Rare Sp. Hab. _____	River Basin <u>Concord</u>	

OWNER, PROPERTY, and PREPARER INFORMATION

Property Owner(s) General Federation of Woman's Clubs of Massachusetts
 Mailing Address 17 Balsam Road, Reading, MA 01867 Phone 978-443-4569

Property Location: Town(s) Sudbury & Marlborough Road(s) Off Dutton Road

Plan Preparer Gary H. Gouldrup, New England Forestry Cons., Inc. Mass. Forester License # 81
 Mailing Address 72 Townsend Street, Pepperell, MA 01463 Phone 978-433-8780

RECORDS

Assessor's Map No.	Lot/Parcel No.	Deed Book	Deed Page	Total Acres	Ch61/61A 61B Excluded Acres	Ch61/61A 61B Certified Acres	Stewshp Excluded Acres	Stewshp Acres
<u>Sudbury</u>								
<u>J03</u>	<u>0020</u>	<u>7531</u>	<u>154</u>	<u>38.50</u>	<u>NA</u>	<u>NA</u>	<u>0.00</u>	<u>38.50</u>
<u>Marlborough</u>								
		<u>7531</u>	<u>154</u>	<u>0.50</u>	<u>NA</u>	<u>NA</u>	<u>0.00</u>	<u>0.50</u>
TOTALS				<u>39.00</u>	<u>NA</u>	<u>NA</u>	<u>0.00</u>	<u>39.00</u>

Excluded Area Description(s) (if additional space needed, continue on separate paper)

There are no excluded areas.

HISTORY Year acquired 1944 Year management began 1944

Is subdivision plan on file with municipality? Yes No
 Are boundaries blazed/painted? Yes No Partially
 Have forest products been cut within past 2 years? Yes No

What treatments have been prescribed, but not carried out (last 10 years if plan is a recert.)?

stand no. NA treatment NA reason NA
 (if additional space needed, continue on separate page)

Previous Management Practices (last 10 years)

Stand #	Cutting Plan #	Treatment	Yield	Value	Acres	Date
<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>

Remarks: (if additional space needed, continue on separate page)

RECORDS (continued)

Assessor's Map No.	Lot/Parcel No.	Deed Book	Deed Page	Total Acres	Ch61/61A 61B Excluded Acres	Ch61/61A 61B Certified Acres	Stewshp Excluded Acres	Stewshp Acres
<i>Sudbury</i>								
J03	0020	7531	154	38.50	NA	NA	0.00	38.50
<i>Marlborough</i>								
		7531	154	0.50	NA	NA	0.00	0.50
TOTALS				39.00	NA	NA	0.00	39.00

EXCLUDED AREA DESCRIPTION (continued):

There are no excluded areas.

HISTORY (continued):

The property was acquired in 1944. The property is historically known as part of the "Memorial Forest", for the trees that have been planted in memory of those who lost their lives in serving the United States in World War II.

Trail maintenance is the only management that has been pursued on the property.

There is no evidence of commercial timber harvesting on the property.

Owner(s) General Federation of Woman's Clubs of Massachusetts Town(s) Sudbury & Marlborough



Property Overview, Regional Significance, and Management Summary

This 39-acre forest is located along the Sudbury and Marlborough town line in a southwestern section of Sudbury. A small portion of the property (0.50-acres) is in the town of Marlborough. The Sudbury Valley Trustees own the 220-acre "Memorial Forest" abutting the property to the north which was once owned by the General Federation of Woman's Clubs of Massachusetts. The Sudbury State Forest (581-acres) and the Sudbury Conservation Commission's Hop Brook property (88-acres) are two other significant parcels of protected lands that lie just northwest and north of the property. Adjacent properties to the south and east have been mostly developed with residential homes. There is no direct access to the property off of any town or State roads. The property is land-locked.

The property lies in the Concord River Watershed. Locally, at the Conservation Commission office, the watershed is known as the Wayside Watershed. Water that passes through the property flows north into Trout Brook which is 100 feet north of the northern property line. The water then flows east and northeast into Hop Brook which is approximately 900 feet from the northeast corner of the property. Water eventually empties into the Sudbury River approximately 5-miles east of the property. Trout Brook is known to support a population of native brook trout. Protecting water quality is very important to the Federation. Local residents obtain water from private wells.

The property is comprised of mature forest types which include pitch-pine oak (44%), white pine (20%), mixed oak (25%) and red maple (8%). There is a gas line right-of-way that is periodically cleared which harbors the only young forest and early successional forest types on the property (3%). Forest fires have played a significant role in the development of this forest over time. There are approximately 5-acres of pitch pine and scrub oak barrens in a central section of the property. However, the barrens are slowly succeeding to mature mixed oak and white pine forest types with a closed canopy. This threatened natural community provides valuable habitat for several plant and wildlife species. A small stand of swamp white oak trees are located in a wetland resource area in Stand #2. A small pocket of planted Norway spruce is located in the northeast corner of Stand #4. The General Federation of Woman's Clubs of Massachusetts acquired this property as well as the 220-acre Sudbury Valley Trustees "Memorial Forest" in 1944. An extensive tree planting program was initiated by the Federation in cooperation with the U.S. Department of the Interior for the dedication of trees to the memory of soldiers that died in serving the United States in World War II. It is most likely that these Norway spruce trees were planted by the Federation during or just after the War. Efforts will be made to protect and enhance the health and vigor of the Norway spruce trees.

The majority of the forest soils on the property are well drained, loamy sand and fine sandy loam (Hinckley-Charlton-Hollis). The upland soil types occupy approximately 90% of the land area. The low lying areas near Trout Brook are very poorly drained, organic muck (Swansea-Freetown), and the upland drainage ways tend to be seasonally wet and poorly drained, mucky fine sandy loam (Scarboro). The soils are productive and best suited for growing high quality white pine timber resources. The site index is low for the production of oak and hardwood timber resources.

Owner(s) General Federation of Woman's Clubs of Mass. Town(s) Sudbury & Marlborough



Property Overview, Regional Significance, and Management Summary

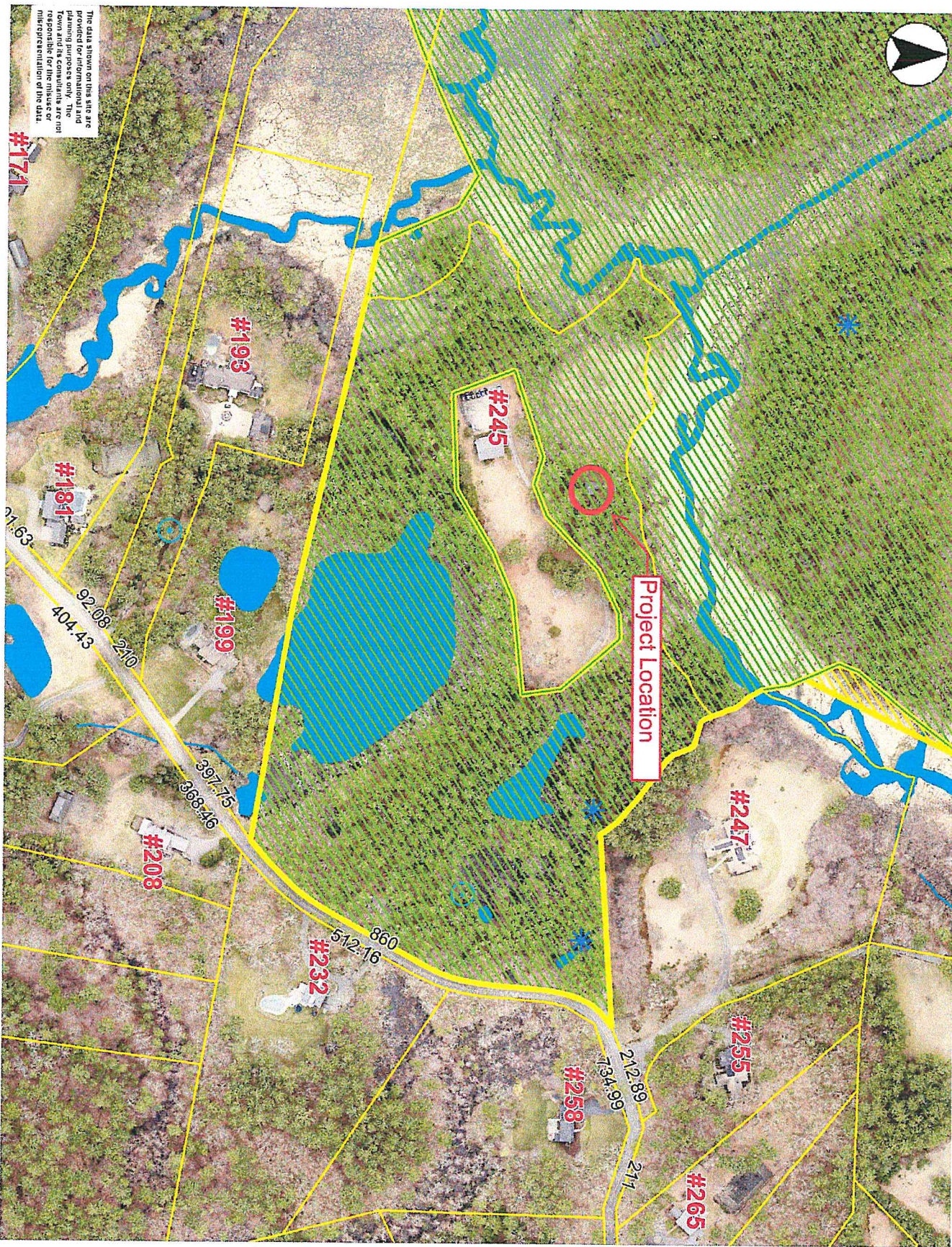
The Massachusetts Natural Heritage Endangered Species Program (NHESP) identifies portions of the property as “Priority Habitat for Rare Species” which include the Box Turtle, Wood Turtle, Four-Toed Salamander, and potential vernal pools on the property. The Pale Green Orchid may also be on the property. A volunteer of the Sudbury Valley Trustees has documented it’s presence in the area. Invasive and non-native vegetation on the property includes glossy buckthorn, firebush (winged euonymus) and Japanese barberry.

Management goals for the property will be in concert with the management planning of abutting lands. The Sudbury Valley Trustees have also prepared a Forest Stewardship Plan this year for their “Memorial Forest” which abuts the property to the north. Efforts to coordinate the management of both properties to meet common goals will be made for reducing costs associated with projects, and help improve the efficiencies and success of land management for both landowners. The following goals are of “High Importance” to the Federation:

- Enhancing the quality of timber resources
- Promote biological diversity
- Enhance habitat for birds as well as small and large animals
- Maintain or enhance privacy
- Protect water quality

Timber resource management will focus on developing an unevenaged forest structure that will promote the growth and development of high quality timber resources while preserving and enhancing the pitch pine and scrub oak barrens on the property. All timber harvesting activities will follow the Natural Heritage Endangered Species Program’s (NHESP) recommendations for timber harvesting in the areas where there is habitat for the Wood Turtle, Box Turtle, Four-Toed Salamander and Pale Green Orchid. Permission to access the property will be needed from one, or more, of the abutting landowners for timber harvesting projects. Promoting biological diversity will include protection of the property from invasive species and encouraging multiple age classes and tree species within the forest. Preserving and improving the pitch pine-scrub oak natural community will also be done by prescribed burning or through the removal of undesirable vegetation during commercial timber harvesting practices. Enhancing wildlife habitat will be done through active timber management as well. For a great guide to wildlife management, please refer to *“Enhancing Wildlife Habitats: A Practical Guide For Forest Landowners”*. Recreation will concentrate on maintaining a safe trail system on the property. Developing a comprehensive list of the flora and fauna of the property is also recommended prior to land management activities. Educational opportunities may arise from workshops and site walks held by the Sudbury Valley Trustees. Protecting and enhancing any memorial trees that were planted in memory of those that died in World War II will also be done.

Owner(s) General Federation of Woman’s Clubs of Mass. Town(s) Sudbury & Marlborough



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- Parcels with Outlines
- Certified Vernal Pools
- Estimated Habitats of Rare Potential Vernal Pools - 12
- Priority Habitats of Rare Sr
- Streams Ortho
- Streams CIR
- Lake/Reservoir
- MA Highway
- US Highway
- Numbered Routes
- Town Boundary

NHESP Map