

**Massachusetts Department of Conservation and Recreation**  
**Division of Water Supply Protection, Office of Watershed Management**  
*Forest Management Project Summary*

**Project Title:** Mailbox Lot

**DWSP Harvest Permit Number:** 4411

**DWSP Proposal ID:** WR-21-41-4

**DCR Forest Cutting Plan File Number:** 140.42845.24

**Site Information**

**Watershed:** Ware River

**Town(s):** Hubbardston

**Acres:** 47.1

**Nearest Road:** New Westminster Rd

**Natural Heritage Atlas overlap?:** No

**Public Drinking Water Supply Watershed?:** Yes

**Forest Types:** Red oak, white pine, white pine/hardwood

**ACEC?:** No

**Soils:** - Berkshire-Marlow association - Well drained thick, Peru-Marlow association - Moderately well drained, Becket-Skerry association - Well drained thick, Allagash fine sandy loam - Well drained thick

**Wetland Resources:** This harvest is surrounded by wetlands. No harvesting in wetlands.

**Vernal Pools:** Three verified vernal pools. No harvesting near the vernal.

**Harvest Information**

Harvest Start Date: After 6/25/24

Harvest End Date: Before 6/18/26

Number of Wetland Crossings: None

Number of Stream Crossings: None

**Best Management Practices Applied**

Stream Crossings: No stream crossings

Filter Strips: No harvesting in a filter strip

Wetland Crossings: No wetland crossings

Harvesting in Wetlands: No harvesting in wetlands

**DWSP Forester supervising this harvest**

Name: Russ Wilmot

Forester License #: 426

Phone #: 857-262-3809

Email: russell.wilmot@mass.gov

## **NARRATIVE**

### **General Description/Forest Composition/History**

The harvest area is in the town of Hubbardston, North of New Westminster Rd. It consists of about 29 acres of red oak and about 18 acres of white pine and white pine hardwood. Tree species present in the overstory are white pine, red, black, and white oaks with lesser amounts of red maple, black cherry, black birch, white pine, paper birch, white ash, hemlock, and American beech. The understory consists of a few patches of mountain laurel and present but spotty regeneration of red maple, black birch, American beech, hemlock, yellow birch, red oak, white pine, and white oak. Bittersweet, barberry, and burning bush were observed on the lot close to the road frontage and are being incorporated into the invasive species Foresters management planning.

### **Site Selection**

A primary goal of the watershed forest management program is to create a healthy, diverse and vigorously growing forest that provides drinking water to current users and future generations. A healthy and resilient forest is both a diverse (both in age and species) and vigorously growing forest. This harvest area was chosen because there is a lack of diversity in the overstory as well as a lack of a young forest component. Additionally, the current old field white pine stands are low in diversity and susceptible to wind events.

### **Silvicultural Objectives**

The harvest will remove the old field white pine and the red oak monoculture in groups. The goal is to put enough sunlight on the ground to allow new natural regeneration of diverse species to be established. There will be 8 group selection openings covering 10.2 acres. The openings are 0.6 – 3.1 acres in size. The larger openings are related to the old field white pine.

### **Cultural Resources**

Stone walls will only be crossed where necessary and when possible, the crossing will take place where there is already a break, or the wall has already fallen to the ground. Other cultural resources will be avoided.

### **Rare or Endangered Species**

Natural Heritage Endangered Species Program (NHESP) does not show any rare habitat within the harvest area.

## FIGURES

Figure 1. Forest Cutting Plan

Site Information		Best Management Practices		Codes																																																																																	
<h3>Forest Cutting Plan</h3> <p>and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)</p> <p><b>JUN 11 2024</b></p>		<h3>Stream Crossings</h3> <table border="1"><thead><tr><th>Indicate location on map</th><th>SC-1</th><th>SC-2</th><th>SC-3</th><th>SC-4</th></tr></thead><tbody><tr><td>Type of Crossing</td><td></td><td></td><td></td><td></td></tr><tr><td>Existing Structure</td><td></td><td></td><td></td><td></td></tr><tr><td>Type of Bottom</td><td></td><td></td><td></td><td></td></tr><tr><td>Bank Height (ft)</td><td></td><td></td><td></td><td></td></tr><tr><td>Stabilization</td><td></td><td></td><td></td><td></td></tr></tbody></table> <h3>Wetland Crossings</h3> <table border="1"><thead><tr><th>Indicate location on map</th><th>WC-1</th><th>WC-2</th><th>WC-3</th><th>WC-4</th></tr></thead><tbody><tr><td>Length of Crossing</td><td></td><td></td><td></td><td></td></tr><tr><td>Mitigation</td><td></td><td></td><td></td><td></td></tr><tr><td>Stabilization</td><td></td><td></td><td></td><td></td></tr></tbody></table> <h3>Filter Strips</h3> <table border="1"><thead><tr><th>Indicate location on map</th><th>FS-1</th><th>FS-2</th><th>FS-3</th><th>FS-4</th></tr></thead><tbody><tr><td>Width (50', 100', or VA)</td><td>VA</td><td></td><td></td><td></td></tr></tbody></table>		Indicate location on map	SC-1	SC-2	SC-3	SC-4	Type of Crossing					Existing Structure					Type of Bottom					Bank Height (ft)					Stabilization					Indicate location on map	WC-1	WC-2	WC-3	WC-4	Length of Crossing					Mitigation					Stabilization					Indicate location on map	FS-1	FS-2	FS-3	FS-4	Width (50', 100', or VA)	VA				<h3>For DCR Use Only:</h3> <table border="1"><tbody><tr><td>File Number</td><td>404284524</td><td>Case No.</td><td></td></tr><tr><td>Date Rec'd</td><td>06-11-24</td><td>Nat. Hert.</td><td>1 N</td></tr><tr><td>Earliest Start</td><td>06-26-24</td><td>Nat. Hert. Imp.</td><td>N</td></tr><tr><td>River Basin</td><td>CHICOPEE</td><td>Pub. Dr. Wat.</td><td>WARE RIVER</td></tr><tr><td>Gen. Obj.</td><td>LT</td><td>ACEC</td><td>N</td></tr></tbody></table> <h3>Location</h3> <p>Town <u>Hubbardston</u> Lot <u>4411</u> Road <u>New Westminster Rd</u> Acres <u>47</u> Proposed Start Date <u>9/01/23</u> Vol. MBF <u>50.1</u> Vol. Cds. <u>143</u> Vol. Tons <u>535</u></p> <h3>Plan Preparer</h3> <p>Name <u>Russell Wilmot</u> Address <u>578 Old Turnpike Rd</u> Town, State, Zip <u>Oakham, MA, 01068</u> Phone <u>1-857-262-3809</u> Type of Preparer <u>Mass. Licensed Forester</u> *Mass. Forester License # <u>426</u> *Required for land under Ch61, Ch61A or Forest Stewardship</p> <h3>Landowner</h3> <p>Name <u>DCR/DWSP/OWM Quabbin/Ware River</u> Mailing Address <u>485 Ware Rd.</u> Town, State, Zip <u>Belchertown, MA 01007</u> Phone <u>413-323-7221</u> Ch61 <input type="checkbox"/> Ch61A <input type="checkbox"/> Stew <input type="checkbox"/> *Case # <u></u> Est. Stumpage Value <u></u></p> <h3>Licensed Timber Harvester**</h3> <p>Name <u>Will be provided when known</u> Address <u></u> Town, State, Zip <u></u> Phone <u></u> Mass. Lic. Harvester # <u></u> **This information may be supplied after the plan is approved, but before work begins.</p>		File Number	404284524	Case No.		Date Rec'd	06-11-24	Nat. Hert.	1 N	Earliest Start	06-26-24	Nat. Hert. Imp.	N	River Basin	CHICOPEE	Pub. Dr. Wat.	WARE RIVER	Gen. Obj.	LT	ACEC	N
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## Products to be Harvested\*

Species	Mbf/Cds		Mbf/Cds
White Pine	5	Red Maple	
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	43.4
Hemlock		Black Oak	1.2
Spruce		White Oak	0.5
Other Sftwd.		Other Hdwd.	
White Ash		Total Mbf	50.1
Beech		Cordwood (Cds)	143
White Birch		SW Pulp (Tons)	
B & Y Birch		HW Pulp (Tons)	
Black Cherry		Chips (Tons)	535

\*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

## Cutting Standards

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	OR	WP	WH	
Acres	29	13	5	
Landowner Objective	LT	LT	LT	
Designation of Trees	CT	CT	NA	
Type of Cut	SE/CT	SE/CC	NA	
Source of Regeneration	AD/SE	AD/SE	NA	

## Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

☒ LT - Long-term Forest Management

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

☐ ST - Short-term Harvest

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.

I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.

I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.

I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.



6-5-2024

Signature of landowner(s)

Date

## Determination and Status 140.42845.24

Approved Disapproved Expires

Cutting Plan ☒ ☐ 6-18-26

Signature of Service Forester/Director's Agent

Date

6/25/24

Extension 1 ☐ 2 ☐ Expires Ser. For. Ints.

Amendment App 1 Dis 1 App 2 Dis 2

## Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

## Forest Types

WP White Pine  
WK WP/Hem  
WH WP/Hdwd  
WO WPOak  
RP Red Pine  
SR Red Spruce

## HK

Hemlock  
Hem/Hdwd  
Bk Cherry  
Bee/Bir/Map  
Oak/Hdwd  
N Red Oak

## OM

Mixed Oak  
Red Maple  
Beech  
Spruce/Fir  
Sugar Maple  
Pitch Pine

## Designation of Trees

CT Cut Tree  
LT Leave Tree  
SB Stand Boundary  
OT Other  
Landowner Objective  
LT Long-term Mgt.  
ST Short-term Har.

## Type of Cut

SH Shelterwood  
ST Seed Tree  
CC Clear Cut  
SE Selection  
SA Salvage  
SN Sanitation

## Intermediate Harvests:

CT Commercial Thin  
NT Non Com Thin  
Non-Standard Systems:  
HG Highgrade\*  
DL Diameter Limit\*  
OT Other\*

## Source of Regeneration

AD Advanced  
SE Natural Seed  
PL Plant  
CO Coppice  
DS Direct Seed  
OT Other

\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

pg 4 of 5

# Forest Cutting Plan

## Narrative Page

Use only if further explanation is required of information on pages one or two or if "other" was used in any category.

Landowner: DCR/DWS Plow  
Quabbin/Ware River

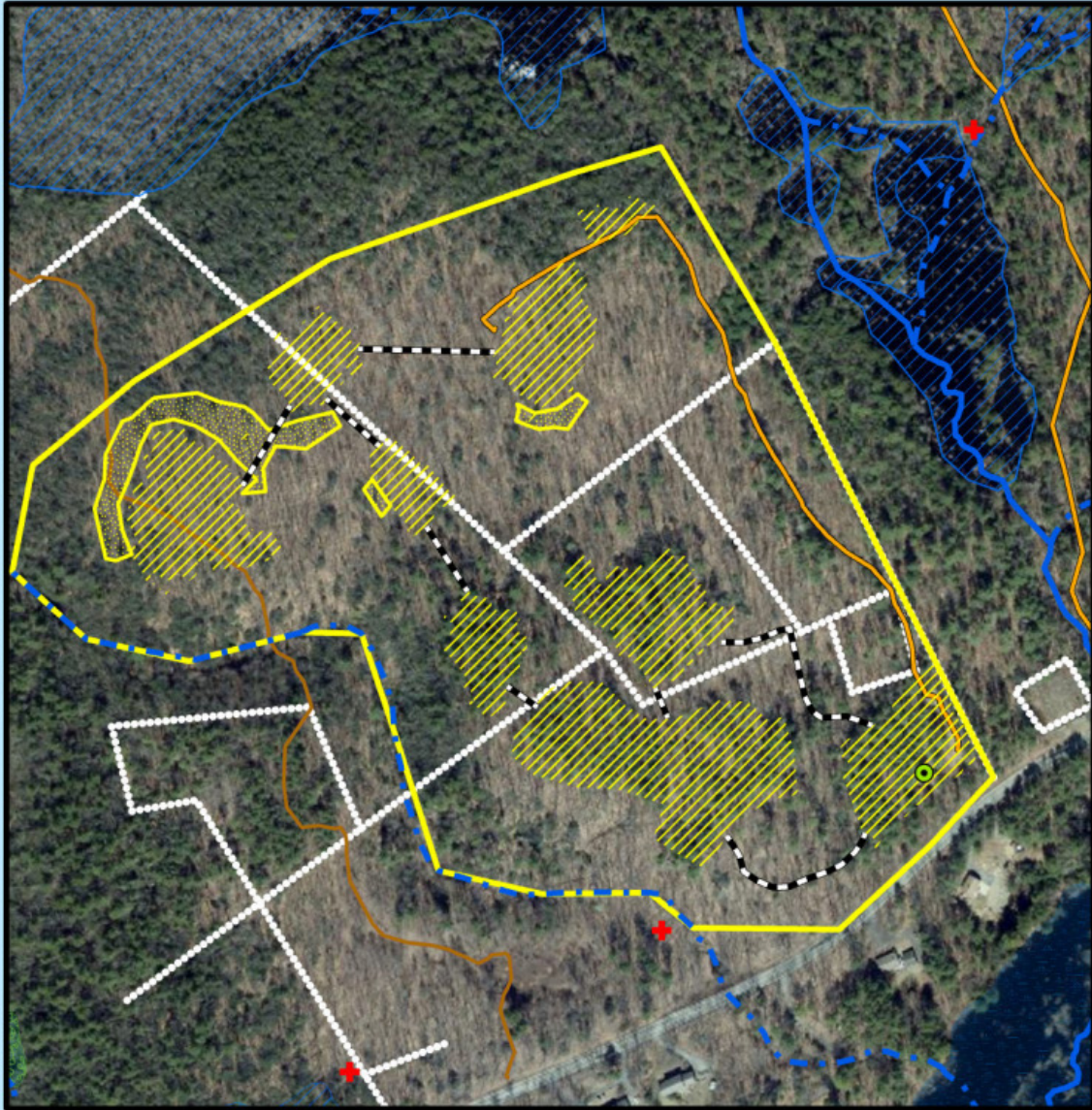
Town: Hubbardston

File Number: 140.42845.24

<b>BMPs</b>	<p><u>No stream or wetland crossings on this lot.</u></p> <p><u>There are some wet patches on the existing forest road and hillsides that will either be utilized in a dry/frozen time frame and/or it will be monitored by the DWSP Forester and protected by the Timber Harvester as needed/directed.</u></p> <p><u>FS-1 No cutting will take place.</u></p>
<b>Silviculture</b>	<p><u>Due to a lack of species and age diversity in the forest, 8 openings in the overstory are being created, covering 10.2 acres. These openings range from .6 acre to 3.1 acres in size with an average of 1.3 acres.</u></p> <p><u>They are well distributed throughout the area, in some instances taking advantage of the advance regeneration comprised of sugar maple, oaks, white pine and other hardwoods. Some openings are targeted at removing an old field white pine monoculture. Thinning will occur on 1.3 acres between the red oak stand patches in order to help bring in more sunlight, air flow and space into the newly created openings which will help facilitate a more healthy and diverse natural seed germination.</u></p>
<b>Objectives</b>	<p><u>The objective of this operation is to diversify the age structure of the forest by removing the overstory in patches thereby releasing the advance regeneration in some instances and allowing natural seed germination in others. The current age structure is limited with an insufficient component of young forest.</u></p>
<b>Other</b>	<p><u>The landing of this site will be within the old field white pine opening at the road entrance.</u></p> <p><u>All haul roads between openings have been marked in vertical blue paint and flagged.</u></p> <p><u>Boundary trees of each opening will be retained and are double ringed with a dot facing inside the opening in red/orange paint.</u></p> <p><u>Retained trees in the openings/along haul roads/around thinned areas are single ringed.</u></p>



## DCR -- Ware River Watershed Timber Sale 4411

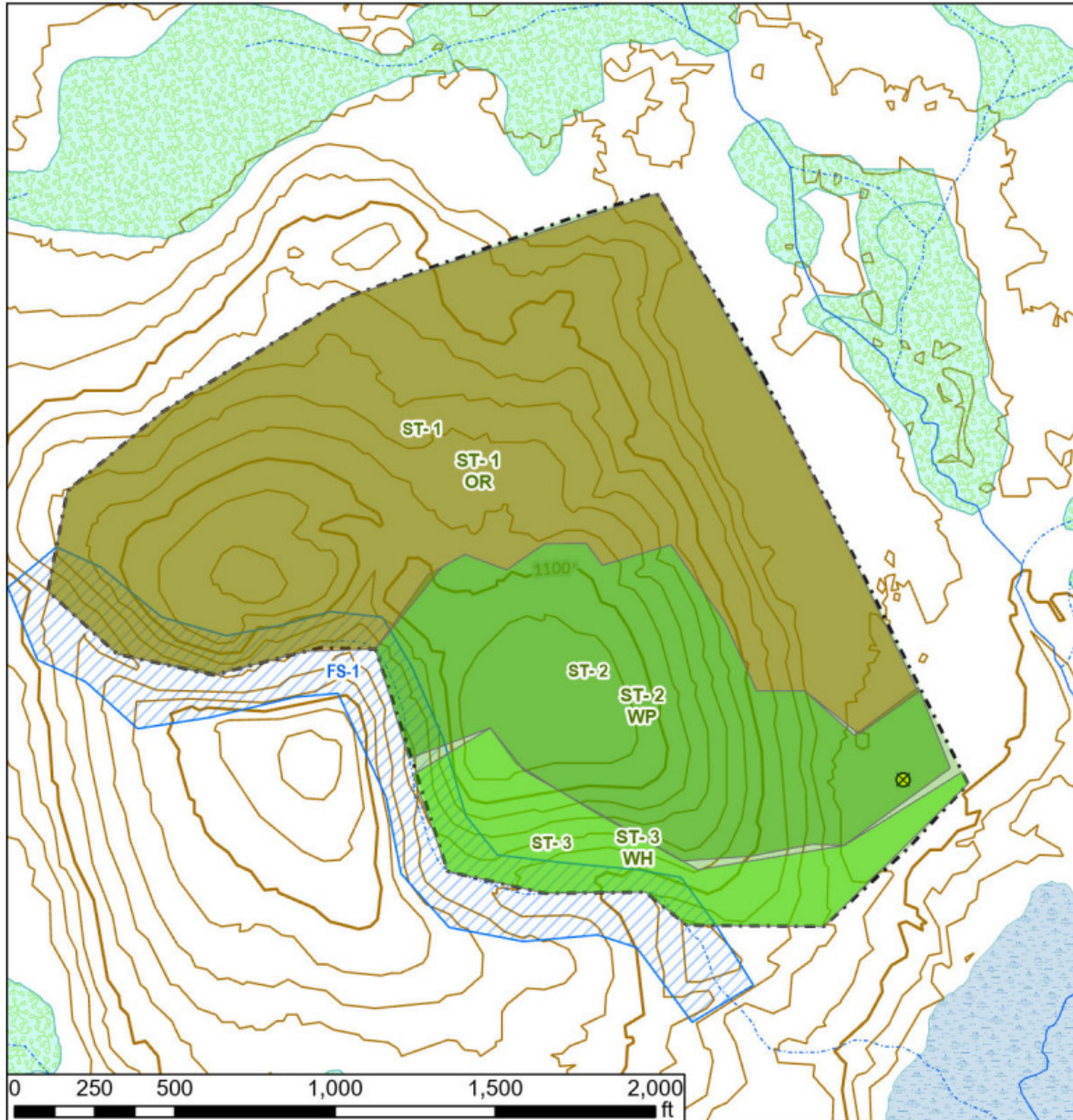




# DCR -- Ware River Watershed Timber sale 4411 Stand/Filter Strip/Topo Basemap



- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>harvest boundary</li> <li>Filter Strips</li> <li>Stream/River: Perennial</li> <li>Stream/River: Intermittent</li> <li>N Red Oak</li> <li>WP/Hardwood</li> <li>White Pine</li> </ul> | <b>CuttingPlanStands</b> <ul style="list-style-type: none"> <li>Beech/Birch/Maple</li> <li>Black Cherry</li> <li>Beech</li> <li>Hemlock/Hdwd</li> <li>Hemlock</li> <li>Oak/Hdwd</li> <li>Mixed Oak</li> <li>N Red Oak</li> <li>Other</li> <li>Pitch Pine</li> <li>Red Maple</li> <li>Red Pine</li> <li>Spruce/Fir</li> <li>Sugar Maple</li> <li>Red Spruce</li> <li>WP/Hardwood</li> <li>WP/Hemlock</li> <li>WP/Oak</li> <li>White Pine</li> </ul> |
|--|--|







# DCR -- Ware River Watershed Locus Map 4411

0 1,000 2,000 3,000 4,000 Feet



Sale area (47.1 Acres)

