

**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

Forest Cutting Plan

and Notice of Intent under M.G.L.
Chapter 132 – The Forest Cutting
Practices Act, 304 CMR 11.00
(Effective Date: 1/1/04)

JUN 11 2024

For DCR Use Only:

File Number 4042845-24 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

Site Information

Location

Town Hubbardston Lot 4411
Road New Westminster Rd
Acres 47 Proposed Start Date 9/01/23
Vol. MBF 50.1 Vol. Cds. 143 Vol. Tons 535

Plan Preparer

Name Russell Wilnot
Address 578 Old Turnpike Rd

Town, State, Zip Oakham, MA, 01068
Phone 1-857-262-3809
Type of Preparer Mass. Licensed Forester
*Mass. Forester License # 426
*Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name DCR/DWSP/OWM Quabbin/Ware River
Mailing Address 485 Ware Rd.

Town, State, Zip Belchertown, MA 01007
Phone 413-323-7221
Ch61 ☐ Ch61A ☐ Stew ☐ *Case # _____
Est. Stumpage Value _____

Licensed Timber Harvester**

Name Will be provided when known
Address _____
Town, State, Zip _____
Phone _____
Mass. Lic. Harvester # _____

**This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing				
Existing Structure				
Type of Bottom				
Bank Height (ft)				
Stabilization				

Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	VA			

Harvesting in Wetlands

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

Service Forester Comments

* NOTIFY DCR SERVICE FORESTER
AT START OF HARVEST OPERATION

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note:
Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin.
Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits.
Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

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.

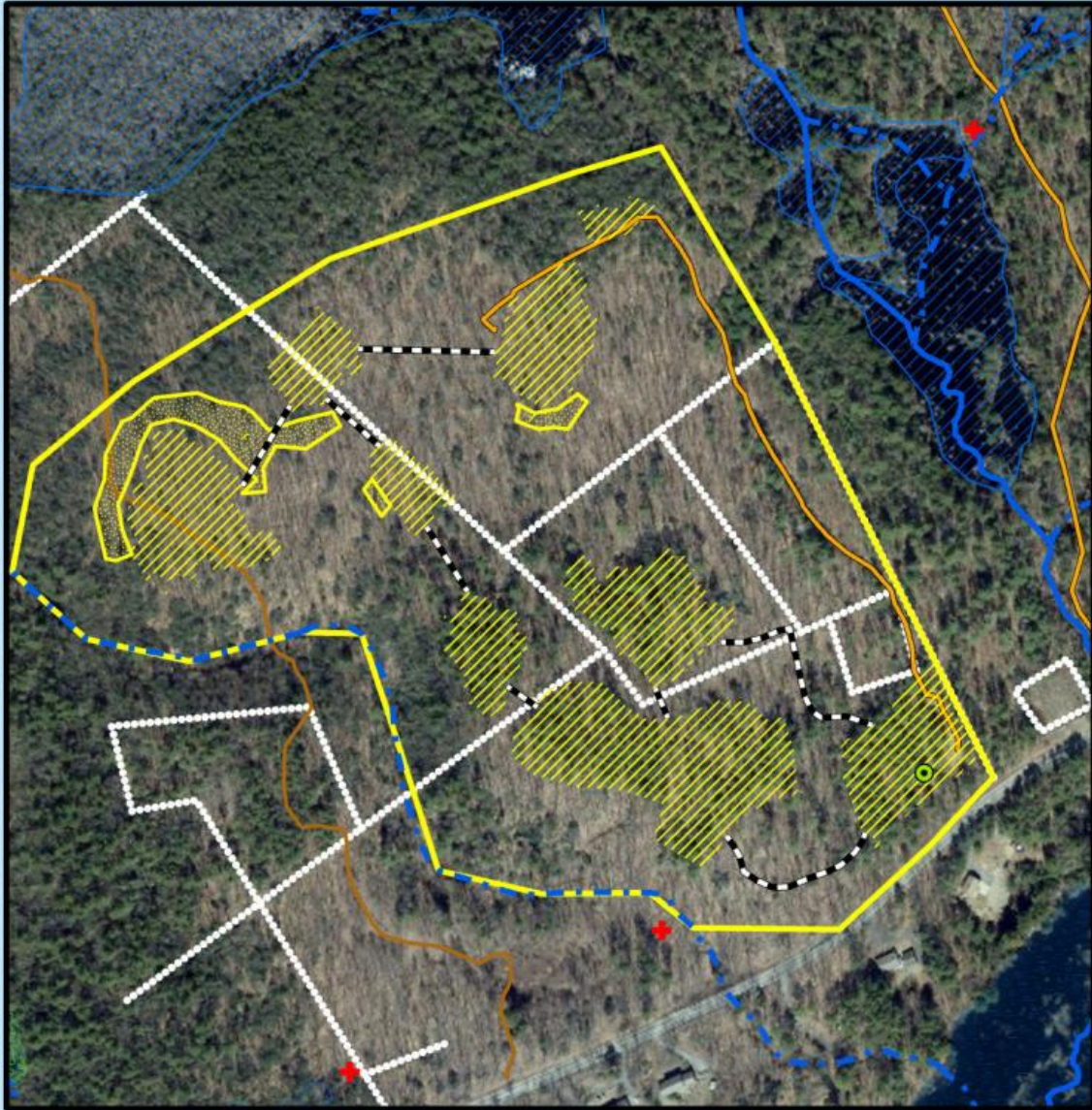
Landowner: DCR/DWS Plow
Quabbin/Ware River

Town: Hubbardston

File Number: 140.42845.24

BMPs	<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>
Silviculture	<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>
Objectives	<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>
Other	<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>

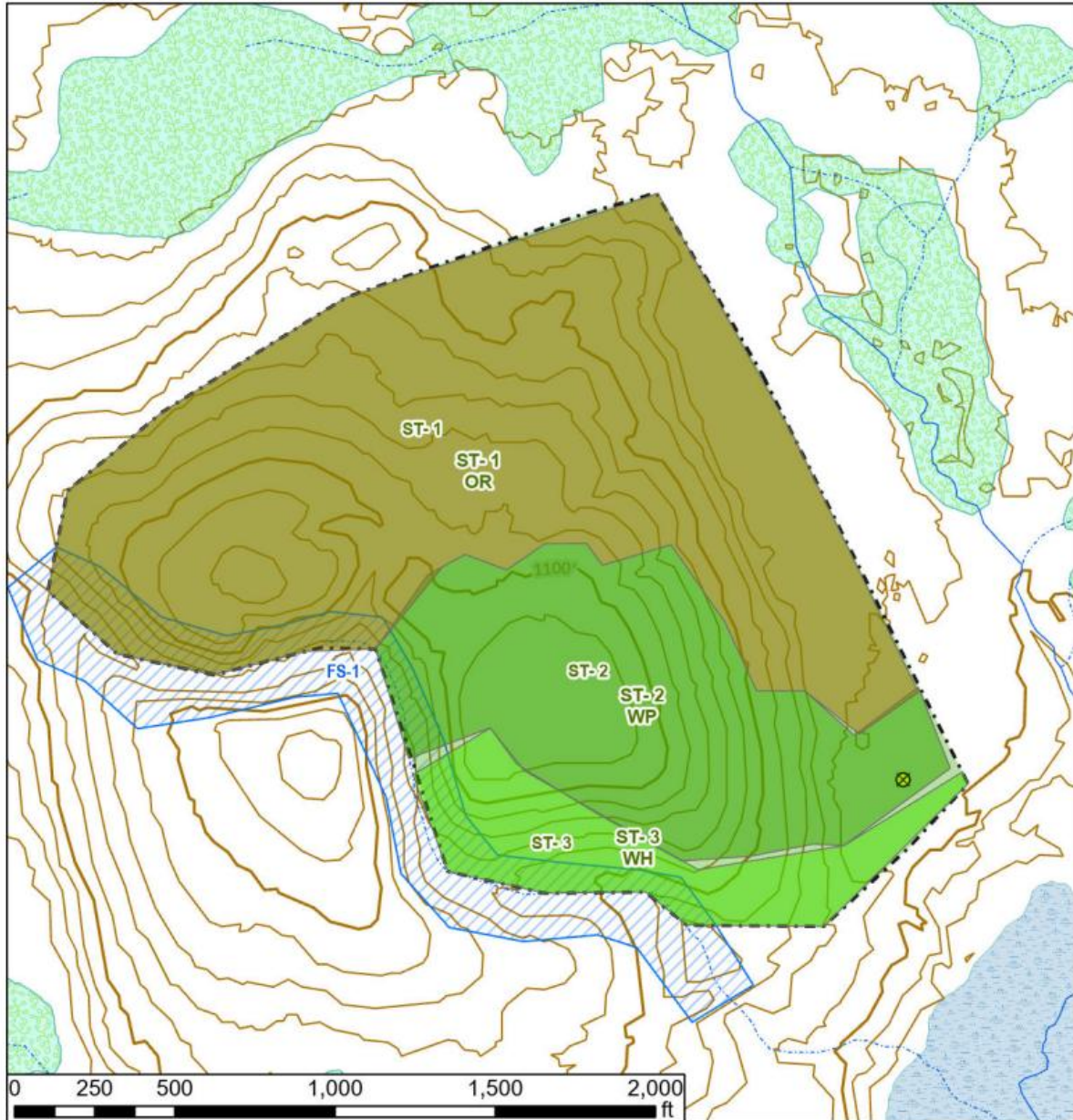
DCR -- Ware River Watershed Timber Sale 4411



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



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



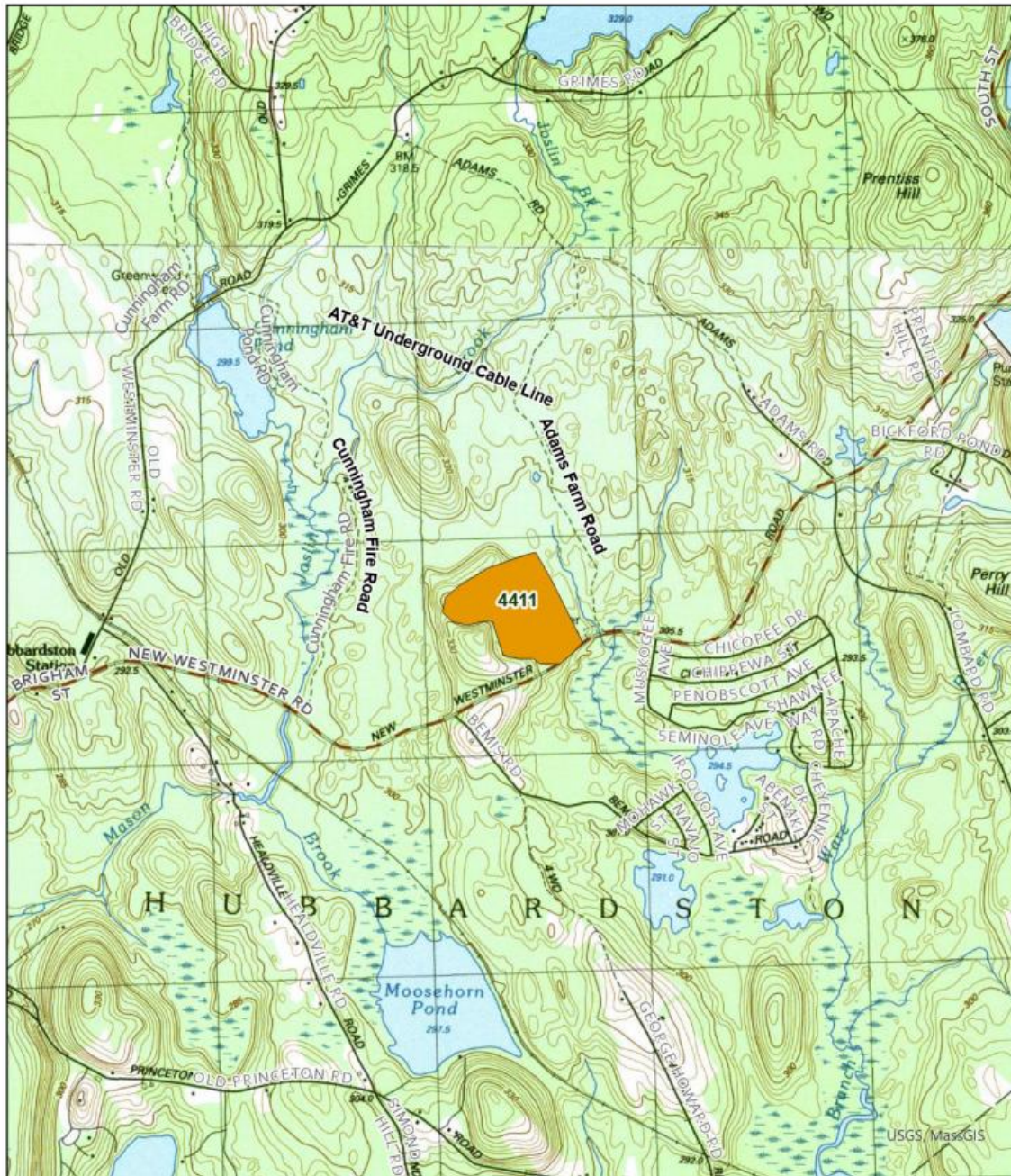
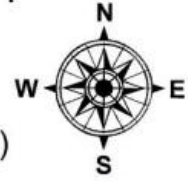


DCR -- Ware River Watershed Locus Map 4411

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



Sale area (47.1 Acres)



USGS/MaskGIS