

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

**Project Title: Fisher Rd**

DWSP Harvest Permit Number: 4403

DWSP Proposal ID: WR-18-28-04

DCR Forest Cutting Plan File Number: 021-31114-21

***Site Information***

Watershed: Ware River Watershed

Town(s): Barre

Acres: 12

Nearest Road: Gilbert Rd and Fisher Rd

Natural Heritage Atlas overlap?: No

Public Drinking Water Supply Watershed?: Yes

Forest Types: White pine, white pine/hardwood, white Pine/oak

Area of Critical Environmental Concern (ACEC)?: No

Soils: 910C Woodbridge-Paxton association and 902E Charlton-Paxton association

Wetland Resources: Several streams and a wetland are in the harvest area.

Vernal Pools: No

***Harvest Information***

Harvest Start Date: 1/8/21

Harvest End Date: 8/31/21

Number of Wetland Crossings: None

Number of Stream Crossings: None

***Best Management Practices Applied***

Stream Crossings: There are no stream crossings.

Filter Strips: There is no harvesting in a filter strip.

Wetland Crossings: There are no wetland crossings.

Harvesting in Wetlands: There is no harvesting in wetlands.

***DWSP Forester supervising this harvest***

Name: Ken Canfield

Forester License number: 431

Phone number: 857 274 7090

Email: [Kenneth.canfield@mass.gov](mailto:Kenneth.canfield@mass.gov)

## **Narrative**

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

The harvest area is located in the town of Barre between Gilbert Rd, Fisher Rd, and Everett Rd. It consists of several patches of mature, low quality old field white pine and several patches of a white pine/oak and a white pine/hardwood stand.

Tree species present in the overstory are white pine, red, black, and white oaks, red maple, paper birch, black birch, black cherry, and eastern hemlock. The understory consists of eastern white pine, black birch, red maple, red, black, and white oak, eastern hemlock and black cherry.

Glossy buckthorn is present but is not well established. Some invasive shrubs were hand-pulled during the marking of this lot. Harvesting trees in patches puts enough sunlight on the ground to create conditions that will help native tree species out-compete invasive shrubs over time.

The soils are well drained or moderately well drained.

### ***Site Selection***

The primary goal of the watershed forest management program is to create and maintain a forest that provides high quality drinking water to current users and future generations. A healthy and resilient forest is comprised of diverse native tree and shrub species and multiple age classes of trees.

This area was chosen because there is an abundance of low quality, old field white pine.

### ***Silvicultural Objectives***

The goal of this harvest is to reduce the amount of mature, low quality, old field white pine in the area. These types of stands are prevalent in the Ware River Watershed due to historical agricultural land use in the area. These stands generally consist of a single dominant species (white pine) with dominant trees that are all the same age because they all started when the pastureland was abandoned in the 1920's. The white pine is usually very low quality due to its open growing conditions and the effects of the white pine weevil, back when the dominant trees were seedlings and saplings. The regeneration that is already present under these stands is generally much more diverse in terms of species composition. These low-quality white pine stands will be harvested in patches so that regeneration has plenty of sunlight to grow.

### ***Cultural Resources***

Standard practice dictates that every effort is made to avoid disturbing stone walls and other cultural resources. Several stone walls in the area have been crossed in previous harvests. These crossings will be re-used wherever possible to minimize damage to the existing stonewalls.

### ***Rare or Endangered Species***

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

**Figures**

**Figure 1. Final Forest Cutting Plan**

<p style="text-align: center;"><b>Forest Cutting Plan</b> and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 3/15/16)</p>		<p><b>For DCR Use Only:</b> File Number <u>021-31114-21</u> Case No. <u>—</u> Date Rec'd <u>11/16/20</u> Nat. Hert. <u>—</u> Earliest Start <u>12/12/20</u> Pub. Dr. Wat. <u>Y</u> River Basin <u>CHICOPEE</u> ACEC <u>N</u> Gen. Obj. <u>LT</u></p>																																																					
<p><b>FINAL</b></p> <p><b>Site Information</b></p> <p><b>Best Management Practices</b></p> <p><b>Codes</b></p>	<p><b>Location</b></p> <p>Town <u>Barre</u> Road <u>Fisher Rd &amp; Gilbert Rd</u> Acres <u>12.2</u> Proposed Start Date <u>12/20</u> Vol. MBF <u>52.6</u> Vol. Cds. <u>163</u> Vol. Tons <u>758</u></p>		<p><b>Landowner</b></p> <p>Name <u>DCR Division of Water Supply Protection</u> Mailing Address <u>485 Ware Rd</u> Town, State, Zip <u>Belchertown, MA 01007</u> Phone <u>(413) 323 - 6921</u> Ch61 <input type="checkbox"/> 61A <input type="checkbox"/> 61B <input type="checkbox"/> Stew <input type="checkbox"/> *Case # FSC <input type="checkbox"/> CR <input type="checkbox"/> CR Holder</p>																																																				
	<p><b>Plan Preparer</b></p> <p>Name <u>Kenneth W. Canfield</u> Address <u>578 Old Turnpike Rd</u> Town, State, Zip <u>Oakham, MA 01068</u> Phone <u>(857) 274-7090</u> Type of Preparer <u>LF</u> *Mass. Forester License # <u>431</u></p>		<p><b>Licensed Timber Harvester**</b></p> <p>Name <u>PIRNER LOGGING &amp; LAND CLEARING</u> Address <u>152 WILLIAMSVILLE ROAD</u> Town, State, Zip <u>HUBBARDSTOWN MA 01452</u> Phone <u>(978) 928-4736</u> Mass. Lic. Harvester # <u>2021:587, 2242, 2417, 2416</u></p>																																																				
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Products to be Harvested*			
Species	Mbfcds		Mbfcds
White Pine	41.8 Mbfcds	Red Maple	88 Cds
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	10.4 Mbfcds
Hemlock	5 Cds	Black Oak	0.4 Mbfcds
Spruce		White Oak	
Other Shwd.		Other Hdwd.	47 Cds
White Ash		Total Mbfcds	52.6
Beech		Cordwood (Cds)	163
White Birch	2 Cds	SW Pulp (Tons)	
B & Y Birch	17 Cds	HW Pulp (Tons)	
Black Cherry	10 Cds	Chips (Tons)	758

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

### Cutting Standards

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	WP	WH	WO	
Acres	5.9	4.6	1.7	
Landowner Objective	LT	LT	LT	
Designation of Trees	LT	CT	CT	
Type of Cut	SE	SE	SE	
Source of Regeneration	SE	SE	SE	

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 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.

11-13-2020  
Date

Service Forester  
Codes

### Determination and Status

	Approved	Disapproved	Expires
Cutting Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11/16/22

11/30/20  
Signature of Service Forester/Director's Agent Date

Extension	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Expires	Ser. For. Ints.
Amendment	App 1 <input type="checkbox"/>	Dis 1 <input type="checkbox"/>	App 2 <input type="checkbox"/>	Dis 2 <input type="checkbox"/>

### Final Report and Comments

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

11/11/22  
Signature of Service Forester/Director's Agent Date

Forest Types	HK	Hemlock	OM	Mixed Oak	CT	Cat Tree	SH	Shadedwood	Intermediate Harvest	Type of Cut	Source of Regeneration
WP White Pine					LT	Leave Tree	ST	Seed Tree	CT Commercial Thin	AD Advanced	
WK WP Hem			HH	Hem/Hdw	RM	Red Maple	CC	Clear Cut	NT Non Cat Thin	SE Natural Seed	
WH WP Hdwd			BC	Blck Cherry	BE	Beech	SB	Stand Boundary	OT Other	PL Plant	
WO WP Oak			BB	Birch/Bleap	SF	Spruce/Fir	SE	Selection	NS Non-Standard System*	CO Coppice	
RP Red Pine			OH	Oak/Hdw	SM	Sugar Maple	SA	Salvage	HO Highgrade*	DS Direct Seed	
SR Red Spruce			OR	N Red Oak	PP	Pine/Pec	LT	Long-term Mgt	DL Diameter Limit*	OT Other	
							ST	Short-term Har	OT Other*		

\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page. no 4 of 4

## Forest Cutting Plan

Narrative Page (Effective Date: 3/15/16)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner DCR - DWSP  
Town Barre  
File Number

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Stand 1 is 3 group selection openings in a low quality, old field white pine stand. The openings are 2.0, 2.0, and 1.9 acres in size. The edges of the openings and the leave trees are marked with orange paint. All other trees will be cut. Stand 2 is 4 group selection openings in a white pine/hardwood stand. The openings are 0.8, 1.0, 1.0, and 1.8 acres in size. Trees to be cut are marked with blue paint and the edges of the openings and leave trees are marked with orange paint. Stand 3 is 1 group selection opening in a white pine/oak stand that is 1.7 acres in size. Trees to be cut are marked with blue paint and the edges of the group and leave trees are marked with orange paint.

BMPs

## Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4. Additional narrative description may be added on a separate page.

Describe Trees to be Cut			Describe Trees to be Left			% BA/AC	
Stand No.	Species	Size	Species	Size	Quality	Cut	Left

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

**Stand No.      Source of Regeneration (ex. AD, SE )**      **How will Regeneration be obtained/protected?**  
If using AD - Describe the species present and how the regeneration will be protected  
If using SE - Describe the source of the seed and the number of seed trees/acre


Stand No. \_\_\_\_\_

### Desired Future Condition

#### Desired Future Condition

pg 5 of 5

**Locus Map**  
**Ware River Lot # 4403**  
**MA DCR DWSP**

Fisher Rd & Gilbert Rd  
Barre, MA

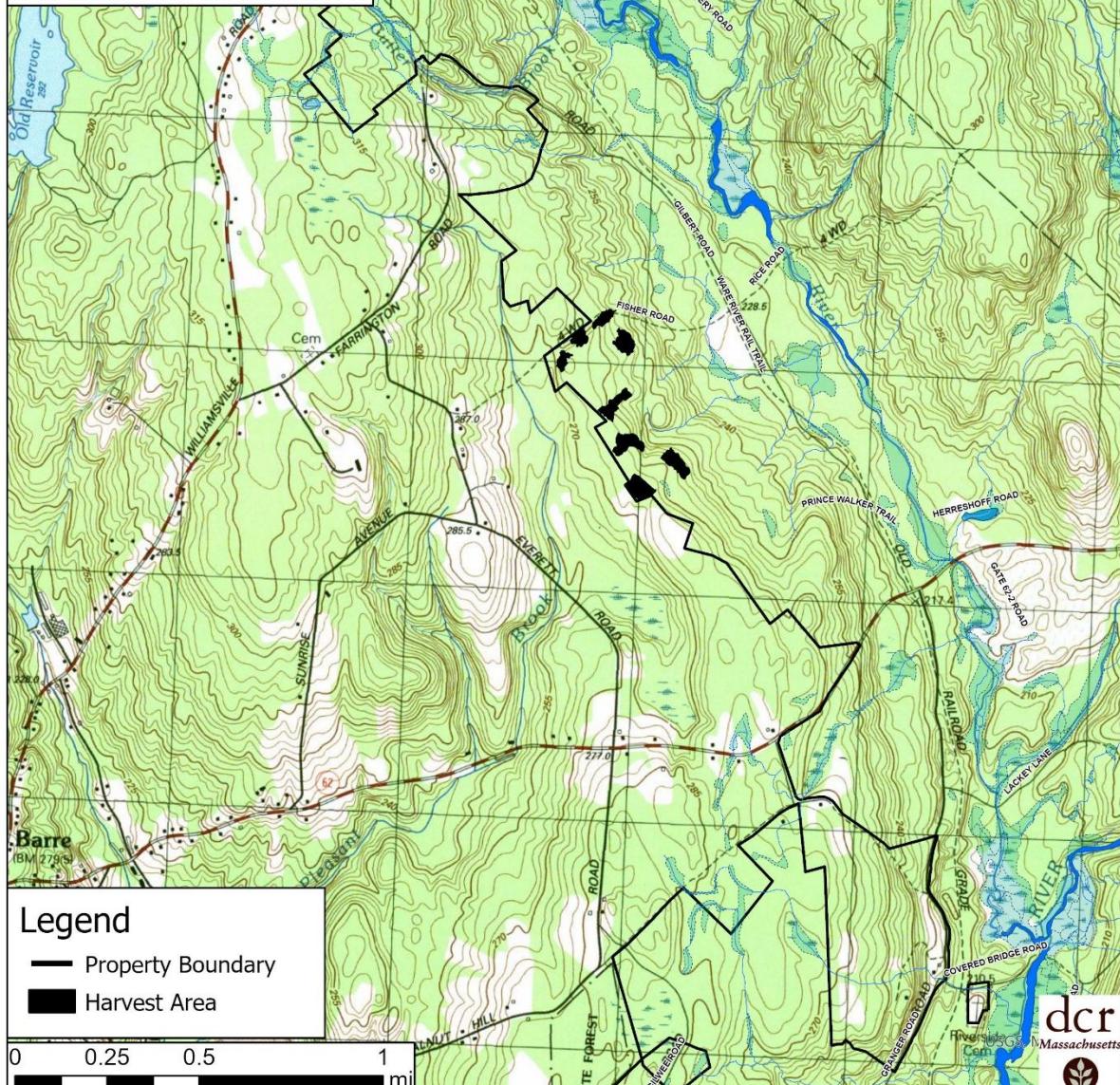
Prepared by:  
Kenneth Canfield

MA DCR DWSP  
Quabbin & Ware River Forestry

Scale: 1:24,000

Created: 11/13/20

Data sources:  
MassGIS, DCR, EOEEA, & USGS



## Stand Map Ware River Lot 4403

Fisher Rd & Gilbert Rd  
Barre, MA

Prepared by:

Kenneth Canfield

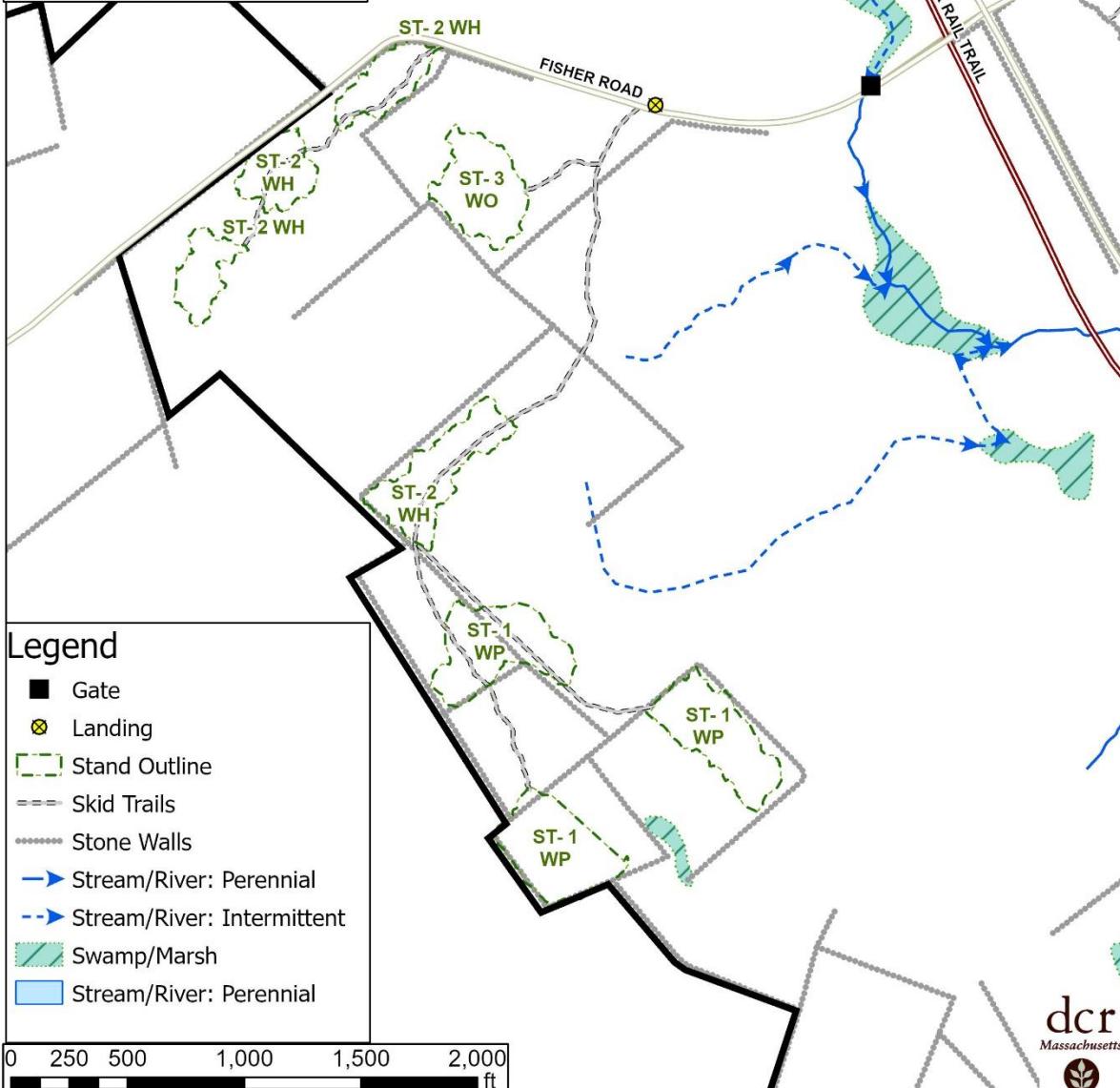
MA DCR DWSP

Quabbin & Ware River Forestry

Scale: 1:7,200

Created: 11/4/20

Data sources:  
MassGIS, DCR, & EOEEA



dcr



COMMONWEALTH OF MASSACHUSETTS  
Department of Conservation and Recreation  
Division of State Parks and Recreation

FILE # 021-31114-21

## FOREST CUTTING PLAN CERTIFICATE

Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that DCR SUPPLY PROTECTION DIVISION OF WATER 485 WARE RD  
(Name of Owner) BELCHERTOWN, MA 01007 in accordance with the  
(Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in CLINTON with the Dept. of Conservation  
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the  
FISHER/GILBERT lot.

Approval Date 11/30/20  
Director's Agent CHRIS CAPONE  
DCR Phone No. (857) 406-0175

ISSUED BY:

  
Priscilla E. Geigis, Director  
Division of State Parks and Recreation