

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

**Project Title: Fisher Rd**

<b>DWSP Harvest Permit Number:</b> 4403
<b>DCR Forest Cutting Plan File Number:</b> 021-31114-21

**Site Information**

<b>Watershed:</b> Ware River Watershed	<b>Town(s):</b> Barre
<b>Acres:</b> 12.2	<b>Nearest Road:</b> Gilbert Rd and Fisher Rd
<b>Natural Heritage Atlas overlap?:</b> No	<b>Public Drinking Water Supply Watershed?:</b> Yes
<b>Forest Types:</b> White Pine, White Pine/Hardwood, White Pine/Oak	<b>ACEC<sup>1</sup>?:</b> No
<b>Soils:</b> 910C Woodbridge-Paxton association and 902E Charlton-Paxton association	
<b>Wetland Resources:</b> Several streams and a wetland are in the harvest area.	
<b>Vernal Pools present or within 200 feet of harvest :</b> No	

**Harvest Information**

<b>Harvest Start Date:</b> 1/8/21	<b>Harvest End Date:</b> 8/31/21
<b>Number of Wetland Crossings:</b> None	<b>Number of Stream Crossings:</b> None

**Best Management Practices Applied**

<b>Stream Crossings</b>	There are no stream crossings.
<b>Filter Strips</b>	There is no harvesting in a filter strip.
<b>Wetland Crossings</b>	There are no wetland crossings.
<b>Harvesting in Wetlands</b>	There is no harvesting in wetlands.

<b>DWSP Forester supervising this harvest</b>
<b>Name:</b> Ken Canfield
<b>Forester License #</b> 431
<b>Phone #:</b> 857-274-7090
<b>Email:</b> <a href="mailto:kenneth.canfield@mass.gov">kenneth.canfield@mass.gov</a>

<sup>1</sup>ACEC: Area of Critical Environmental Concern

## **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.

### **Wildlife/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**

Figure 1 Final 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: 3/15/16)

## For DCR Use Only:

File Number 021-31114-21 Case No.             
Date Rec'd 11/16/20 Nat. Hert. N  
Earliest Start 12/2/20 Pub. Dr. Wat. Y  
River Basin CHIKOPEE ACEC N  
Gen. Obj. LT

Site Information

## Location

Town Barre  
Road Fisher Rd & Gilbert Rd  
Acres 12.2 Proposed Start Date 12/20  
Vol. MBF 52.6 Vol. Cds. 163 Vol. Tons 758

## Plan Preparer

Name Kenneth W. Canfield  
Address 578 Old Turnpike Rd  
Town, State, Zip Oakham, MA 01068  
Phone (857) 274-7090  
Type of Preparer LF  
\*Mass. Forester License # 431  
\*Required for land under Ch61, Ch61A or Forest Stewardship

## Landowner

Name DCR Division of Water Supply Protection  
Mailing Address 485 Ware Rd  
Town, State, Zip Belchertown, MA 01007  
Phone (413) 323-6921  
Ch61 ☐ 61A ☐ 61B ☐ Stew ☐ \*Case #  
FSC ☐ CR ☐ CR Holder

## Licensed Timber Harvester\*\*

Name PIRNER LOGGING & LAND CLEARING  
Address 152 WILLIAMSVILLE ROAD  
Town, State, Zip HUBBARDSTON MA 01452  
Phone (978) 928-4736  
Mass. Lic. Harvester # 2021:587, 2242, 2417, 2416  
\*\*This information may be supplied after the plan is approved, but before work begins.

FINAL

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)				

## 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

PLEASE 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.

Forest Products

## Products to be Harvested\*

Species	Mb/Cds		Mb/Cds
White Pine	41.8 Mb	Red Maple	88 Cds
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	10.4 Mb
Hemlock	5 Cds	Black Oak	0.4 Mb
Spruce		White Oak	
Other Sftwd.		Other Hdwd.	47 Cds
White Ash		Total Mb	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. Mb = 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	

Stand Treatment

## 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.

Signature of landowner(s)

Date

11-13-2020

## Determination and Status

	Approved	Disapproved	Expires
Cutting Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11/16/22
Signature of Service Forester/Director's Agent			11/30/20
Extension	<input type="checkbox"/>	<input type="checkbox"/>	Expires
Amendment	App 1	Dis 1	App 2
	<input type="checkbox"/>	<input type="checkbox"/>	<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.

Signature of Service Forester/Director's Agent

Date

11/11/22

Service Forester

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP Hdwd	SB Stand Boundary	CC Clear Cut	PL Plant
WO WP Oak	OT Other	SE Selection	CO Coppice
RP Red Pine	Landowner Objective	SA Salvage	DS Direct Seed
SR Red Spruce	LT Long-term Mgt	SN Sustained	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 memo

na 4 n f 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

BMPs

Designation of Trees

Regeneration & Future Condition

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.

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.

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

Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory




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

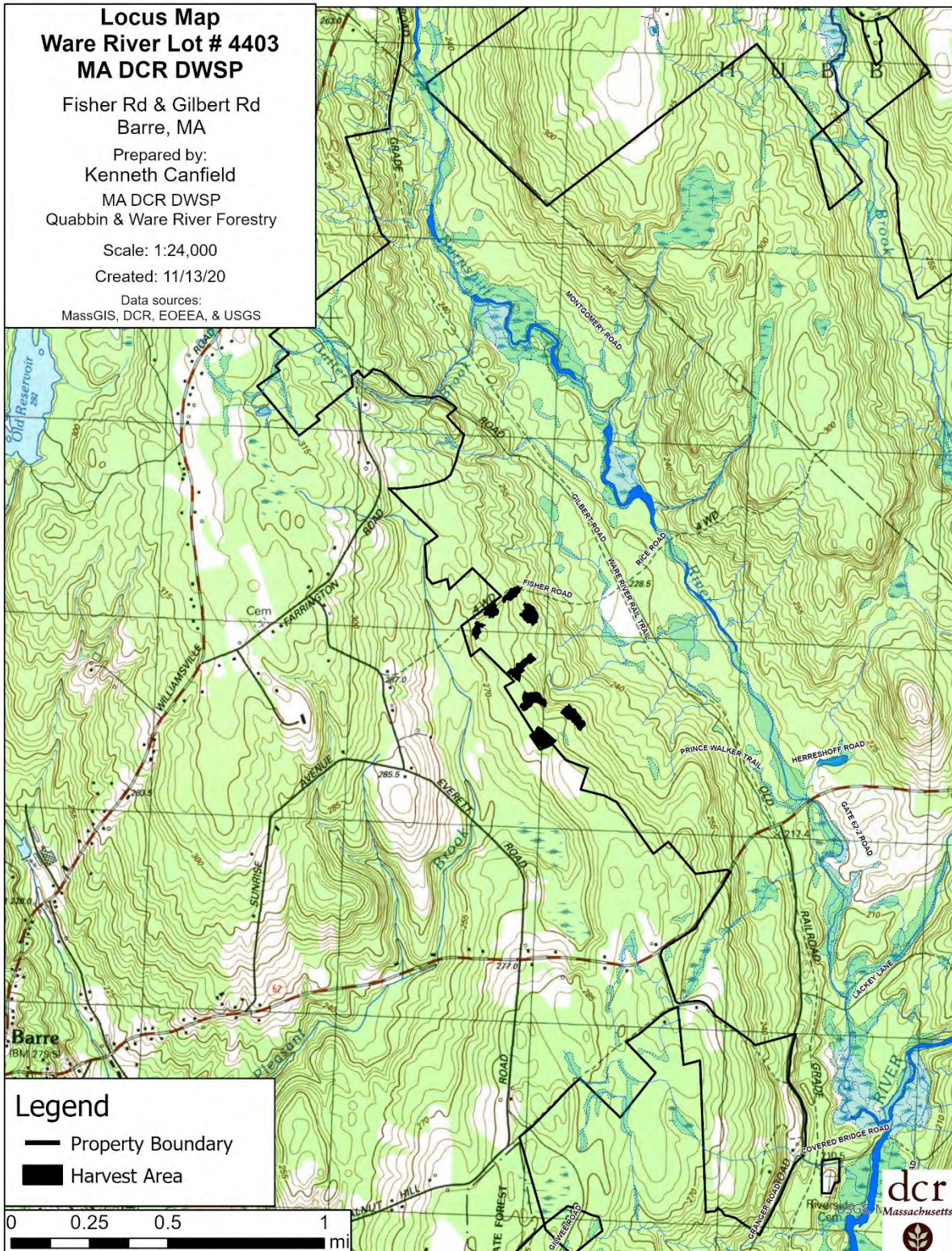
Fisher Rd & Gilbert Rd  
Barre, MA

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

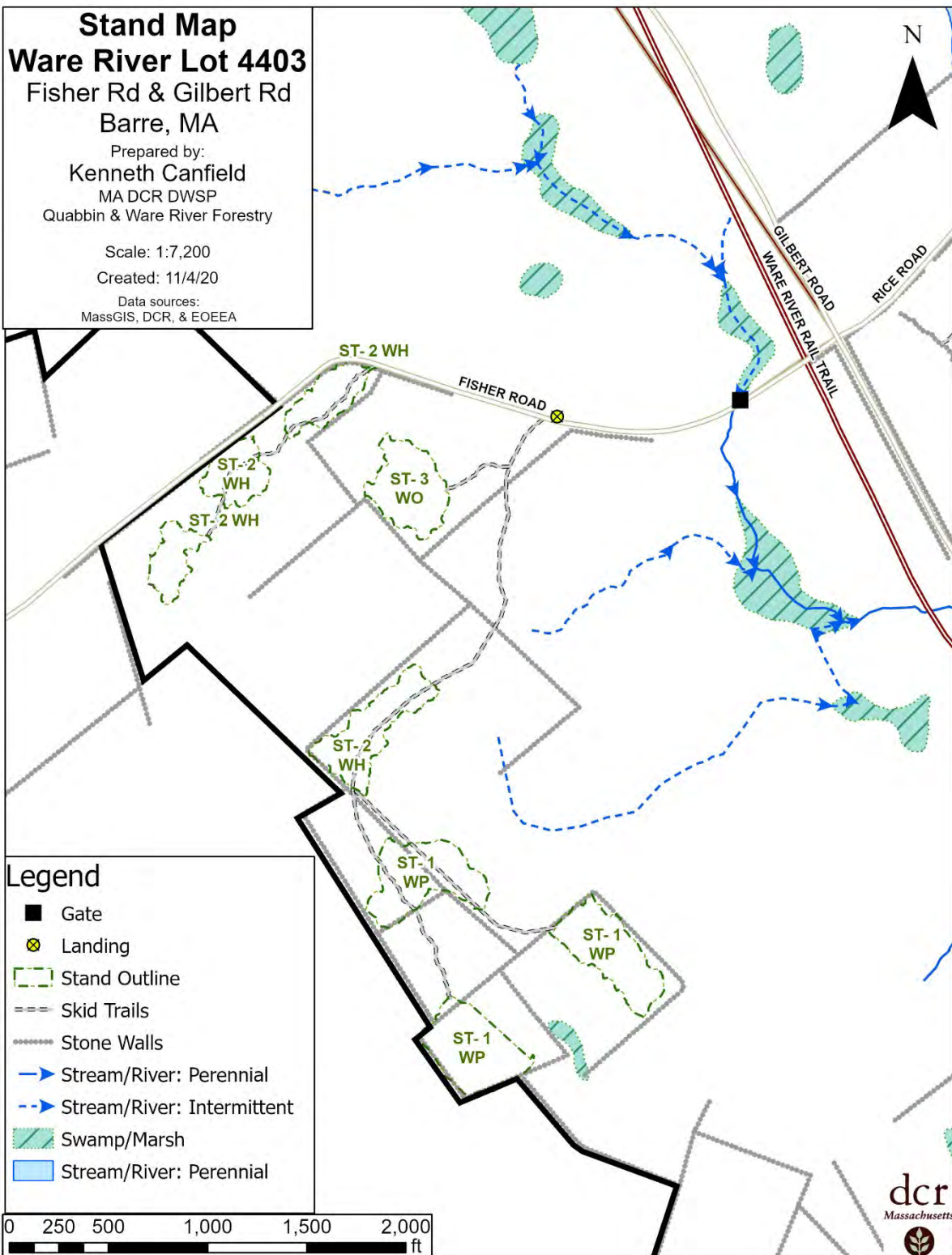
Fisher Rd & Gilbert Rd  
Barre, MA

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

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  
ASHER / GILBERT lot.

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

ISSUED BY:

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