

**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

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

FINAL

Best Management Practices

Codes

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	<u>021-31114-21</u>	Case No.	<u> </u>
Date Rec'd	<u>11/18/20</u>	Nat. Hert.	<u>N</u>
Earliest Start	<u>12/2/20</u>	Pub. Dr. Wat.	<u>Y</u>
River Basin	<u>CHIKOPEE</u>	ACEC	<u>N</u>
Gen. Obj.	<u>LT</u>		

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 24116

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

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

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom	Note:
LF Mass. Lic. For	CU Culvert	SE Seed	FR Frozen	LE Ledge	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.
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			

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 Softw.		Other Hardw.	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
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11/16/22
Signature of Service Forester/Director's Agent		Date
11/30/20		
Extension	Expires	Ser. For. Ints.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amendment	App 1	Dis 1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	App 2	Dis 2
	<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	CT Commercial Thin
WH WP Hardw	SB Stand Boundary	CC Clear Cut	NT Non-Corn Thin
WP WP Oak	OT Other	SE Selection	PL Plant
RP Red Pine	LT Long-term Mgt	SA Salvage	CO Coppice
SR Red Spruce	ST Short-term Har	SN Sanitation	HO Highgrade*
			DL Downer Limit*
			OT Other*

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

na & n/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

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.

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.

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

Regeneration & Future Condition

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** **How will Regeneration be obtained/protected?**
 (ex. AD, SE) 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

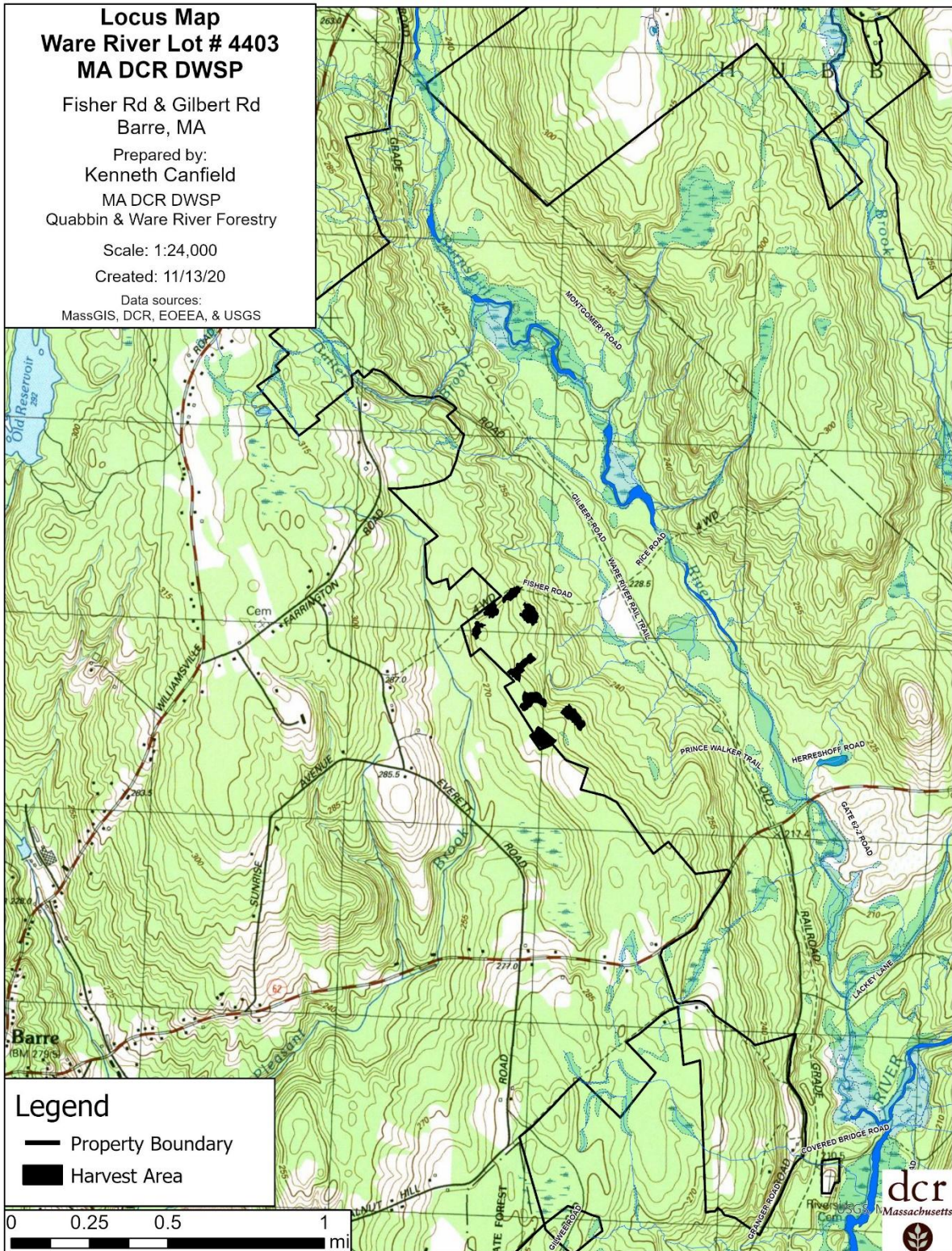
Fisher Rd & Gilbert Rd
Barre, MA

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

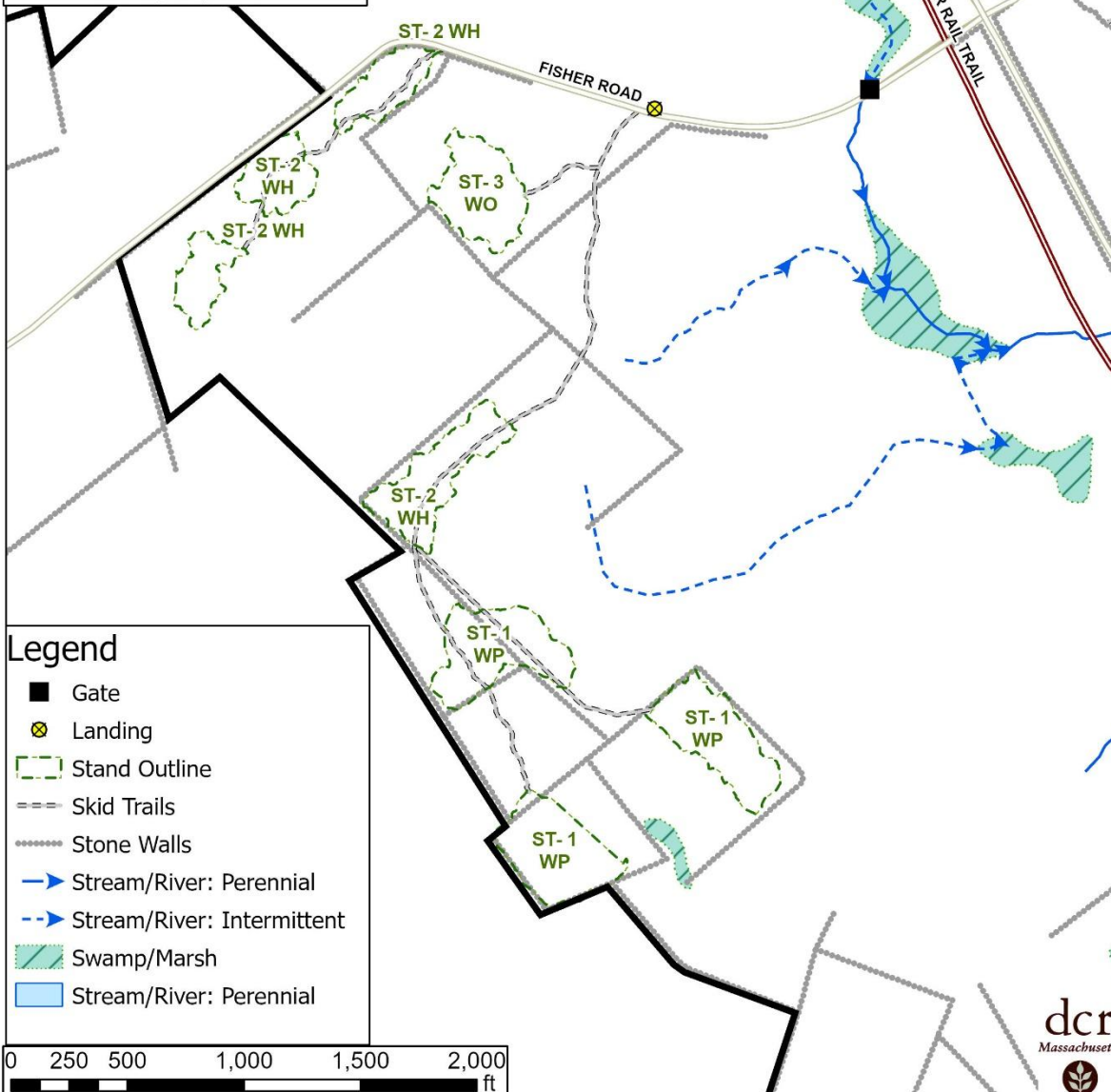
Fisher Rd & Gilbert Rd
Barre, MA

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
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