

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

Project Title: Brigham Rd Red Pine

DWSP Harvest Permit Number: 4407

DWSP Proposal ID: WR-22-22-03

DCR Forest Cutting Plan File Number: 021-33602-22

Site Information

Watershed: Ware River Watershed

Town(s): Barre and Hubbardston

Acres: 5.1

Nearest Road: Brigham Rd

Natural Heritage Atlas overlap?: No

Public Drinking Water Supply Watershed?: Yes

Forest Types: Red Pine, White Pine

Area of Critical Environmental Concern (ACEC)?: No

Soils: 253 B & C, Hinckley loamy sand

Wetland Resources: The harvest area is adjacent to the east branch of the Ware River and associated wetlands. There is also a small pond adjacent to the harvest area.

Vernal Pools: Yes, outside of harvest but within 200 feet.

Harvest Information

Harvest Start Date: 10/18/22

Harvest End Date: 10/31/22

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 west of Brigham Rd adjacent to the east branch of the Ware River. The landing is in the town of Hubbardston, just off of Brigham Rd. It consists of 4.9 acres of red pine plantation and 0.2 acres of white pine.

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

Glossy buckthorn is abundant, particularly adjacent to the river. Some stems were hand pulled during tree marking.

The soils are excessively 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 harvest area was chosen because it is a mature red pine plantation.

Silvicultural Objectives

The harvest will remove the mature overstory red pine before it succumbs to red pine scale and release the diverse regeneration below. The goal is to give the young native trees enough sunlight to out-compete the invasive glossy buckthorn shrubs that are well established.

Cultural Resources

Standard practice dictates that every effort is made to avoid disturbing stone walls and other cultural resources.

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 REPORT

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 031-33402-22 Case No. _____
 Date Rec'd 10.28.21 Nat. Hert. N
 Earliest Start 11.15.21 Pub. Dr. Wat. Y
 River Basin CHICOPPE ACEC N
 Gen. Obj. LT

Location

Town Barre
 Road Brigham Rd
 Acres 5.1 Proposed Start Date 12/21
 Vol. MBF 123.1 Vol. Cds. 3 Vol. Tons 121

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

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

Licensed Timber Harvester**

Name _____
 Address _____
 Town, State, Zip _____
 Phone _____
 Mass. Lic. Harvester # _____
 **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				

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%?)				

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)				

Service Forester Comments

* PLEASE NOTIFY DCR SERVICE FORESTER AT START OF HARVEST OPERATION
* PLAN APPROVAL DELAYED DUE TO PLAN PREPARER REVISIONS

Codes

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 Muleh	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			

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

Site Information

Best Management Practices

Codes

FINAL REPORT

FINAL REPORT

Forest Products

Products to be Harvested*

Table with columns: Species, MbF/Cds, MbF/Cds. Rows include White Pine, Red Pine, Pitch Pine, Hemlock, Spruce, Other Sftwd., White Ash, Beech, White Birch, B & Y Birch, Black Cherry.

*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. MbF = thousand board feet.

Stand Treatment

Cutting Standards

Table with columns: Indicate location on map, ST-1, ST-2, ST-3, ST-4. Rows include Forest Type, Acres, Landowner Objective, Designation of Trees, Type of Cut, Source of Regeneration.

Landowner

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.

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.

Dan Clark, Date: 2021.10.28 07:45:49

10/28/2021, Date

Service Forester

Determination and Status 021-33602-22 Final Report and Comments

Form with checkboxes for Approved, Disapproved, Expires, Extension, Amendment, App 1, Dis 1, App 2, Dis 2. Includes signature of Service Forester/Director's Agent and Date.

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 11/4/2022

All BMPs met, larchthorn is unlikely to impede regeneration of native trees.

Codes

Table with columns: Forest Types, Designation of Trees, Type of Cut, Source of Regeneration. Rows include WP, WK, WH, WO, RP, SR, HK, HH, BC, BB, OH, OR, OM, RM, BE, SF, SM, PP, CT, LT, SB, OT, Landowner Objective, Ser. For. Ints., SH, ST, CC, SE, SA, SN, Intermediate Harvests, AD, SE, PL, CO, DS, OT.

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





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

FILE # 021.33602.22

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 - DWSP 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
BRIGHAM lot.
RD

Approval Date 12/20/21
Director's Agent CHRIS CAPONE
DCR Phone No. (857) 406-0175

ISSUED BY:

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