

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

Project Title: Juckett Hill West
DWSP Harvest Permit Number: 1066
DWSP Proposal ID: PE-22-2
DCR Forest Cutting Plan File Number: 024-43197-25

Site Information

Watershed: Quabbin
Town(s): Belchertown
Acres: 25
Nearest Road: Juckett Hill Road
Natural Heritage Atlas overlap: N
Public Drinking Water Supply Watershed: Quabbin
Forest Types: White Pine-Oak
Area of Critical Environmental Concern (ACEC): No
Soils: Fine sandy loam and rock outcrop
Wetland Resources: Two wetlands
Vernal Pools: No

Harvest Information

Harvest Start Date: TBD
Harvest End Date: TBD
Number of Wetland Crossings: One
Number of Stream Crossings: One

Best Management Practices Applied

Stream Crossings: Portable bridge to be utilized. Corduroy will be used for soil stabilization
Filter Strips: Four of variable widths. No harvesting will occur within the filter strips.
Wetland Crossings: Corduroy will be used for soil stabilization
Harvesting in Wetlands: N/A

DWSP Forester supervising this harvest

Name: Douglas Hutcheson
Forester License number: 375
Phone number: (413) 323-6921
Email: douglas.hutcheson@mass.gov

Narrative

General Description/Forest Composition/History

The forest surrounding Juckett Hill is generally a closed canopy, even aged forest. The soils are well to moderately well-drained fine, sandy loams along with an area of outcrop soils found to the southeast and downhill from the height of land, 1070 feet. The most prevalent canopy species are red, black, scarlet and white oak, along with white pine. Red maple, hickory, black and white birch, and hemlock are also present. Topography is mostly mild with occasional steep sections which will be worked conservatively or avoided depending on severity.

Site Selection

Historical impacts by Spongy Moth highlight the need to diversify the vertical structure and species composition that is currently present. Timber harvests were conducted in 1974, in 1982 after the outbreak of the late 70s and early 80s to salvage spongy moth killed oaks, and in 1996 and 1998. The area was again impacted by the moth from 2015-2020 resulting in heavy mortality of canopy oaks. Emerald ash borer, (*Agrilus planipennis*) arrived at the end of 2019 and many ash trees were showing decline by the fall of 2020. Stagnant growth of canopy white pine has been observed due to white pine needle cast disease, which hinders photosynthetic capacity. Stagnant growth and mortality of white pine regeneration have also occurred, most likely from funguses and cankers. Droughts in 2015-2016, and fall of 2020, further reduced growth in all species of trees, both in the canopy, the midstory, and the seedling and sapling layer.

Silvicultural Objectives

Oak and pine are the two keystone species in the watershed forest surrounding the Quabbin Reservoir. The primary silvicultural objective is to encourage establishment and growth of a more diverse suite of trees, woody shrubs, and herbaceous plants. Where soil and moisture conditions are better suited to tree growth, small group selection will be used (openings 0.5 to 2.0 acres in size) with thinning between those openings.

Cultural Resources

Numerous foundations and stone walls are present.

Rare or Endangered Species

There are no NHESP habitats in the treatment area. Moose and deer browsing is evident. Bear, turkey, grouse, and coyote are also known to use this area.

Figures

Figure 1. Final Forest Cutting Plan

Figure 2: Pre-Harvest Photographs

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 024-43197-25 Case No. NIA
Date Rec'd 3/3/25 Nat. Hert. No
Earliest Start 3/18/25 Pub. Dr. Wat. Quabbin/Lodges
River Basin Chicopee ACBC No
Gen. Obj. LT

Site Information

Location

Town Belchertown Lot 1066
Road Juckett Hill Road
Acres 25.00 Proposed Start Date TBD
Vol. MBF 92.3 Vol. Cds. 142 Vol. Tons 86

Plan Preparer

Name Douglas Hutcheson DCR-DWSP Forester
Address 485 Ware Road
Town, State, Zip Belchertown, MA 01007
Phone (413) 237-9713
Type of Preparer LF
*Mass. Forester License # 375
*Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name MA DCR-DWSP
Mailing Address 485 Ware Road
Town, State, Zip Belchertown, MA 01007
Phone 4133236921
Ch61 ☐ 61A ☐ 61B ☐ Stew ☐ *Case #
FSC ☐ CR ☐ CR Holder

Licensed Timber Harvester**

Name Kyle C. Anderson
Address 12 Woods Road
Town, State, Zip Westminster, MA 01473
Phone (978) 265-3799
Mass. Lic. Harvester # 2025-1580
**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	BR			
Existing Structure	NO			
Type of Bottom	MU			
Bank Height (ft)	<1' ☒			
Stabilization	OT			

Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing	25			
Mitigation	OT			
Stabilization	CO			

Filter Strips

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

Main access will likely be north
through gate 8.

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

Forest Products

Products to be Harvested*

Species	Mbf/Cds		Mbf/Cds
White Pine	21.6	Red Maple	.4
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	66.8
Hemlock		Black Oak	2.2
Spruce		White Oak	
Other Slwd.		Other Hdwd.	
White Ash		Total Mbf	92.3
Beech		Cordwood (Cds)	142
White Birch		SW Pulp (Tons)	86
B & Y Birch	1.3	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

Stand Treatment

*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.

Cutting Standards

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	WO	WO		
Acres	17	8		
Landowner Objective	LT	LT		
Designation of Trees	CT	CT		
Type of Cut	SE	CC		
Source of Regeneration	SE	SE		

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. 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.

2-26-2025

Signature of landowner(s)Date

Service Forester

Determination and Status

ApprovedDisapprovedExpires

Cutting Plan☒☐3/3/27

4/1/25

Signature of Service Forester/Director's AgentDate

Extension1☐2☐ExpiresSer. For. Ints.

AmendmentApp 1Dis 1App 2Dis 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 AgentDate

Codes

Forest Types				Designation of Trees		Type of Cut		Source of Regeneration				
WP	White Pine	HK	Hemlock	CM	Mixed Oak	SH	Shelterwood	Intermediate Harvests:	AD	Advanced		
WK	WP/Hem	HH	Hem/Hdwd	RM	Red Maple	LT	Leave Tree	CT	Commercial Thin	SE	Natural Seed	
WH	WP/Hdwd	BC	Black Cherry	BE	Beech	SB	Stand Boundary	CC	Clear Cut	NF	Non Com Thin	
WO	WP/Oak	BB	Bee/Bir/Map	SF	Spruce/Fir	OT	Other	SE	Selection	Non-Standard Systems:	CO	Coppice
RP	Red Pine	OH	Oak/Hdwd	SM	Sugar Maple	Landowner Objective		SA	Salvage	HG	Highgrade*	
SR	Red Spruce	OR	N Red Oak	PP	Pitch Pine	LT	Long-term Mgt.	SN	Sanitation	DL	Diameter Limit*	
						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

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 Belchertown

File Number 024-43197-25

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 comprised of twenty one openings 0.5-1.0 acres in size, totaling 17 acres. Stand 2 is comprised of five openings 1-2 acres in size, totaling 8 acres. Well formed WP and RO stems with full canopies will be retained for their seed bearing capacity; scattered WO, CO, YB, HK, RM and Hickory stems will be retained for species diversity.

Bridge mats will be used to cross SC-1. Corduroy will be used to stabilize SC-1 and WC-1. Orange horizontal stripes designate the leave trees on the boundary of an opening. Orange dots designate a leave tree within the opening. Stems to be cut within the openings and the skid roads are marked in blue. Red flagging designates an overhead hazard.

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 (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

Stand Map DCR DWSP Lot 1066

Juckett Hill Road
Belchertown

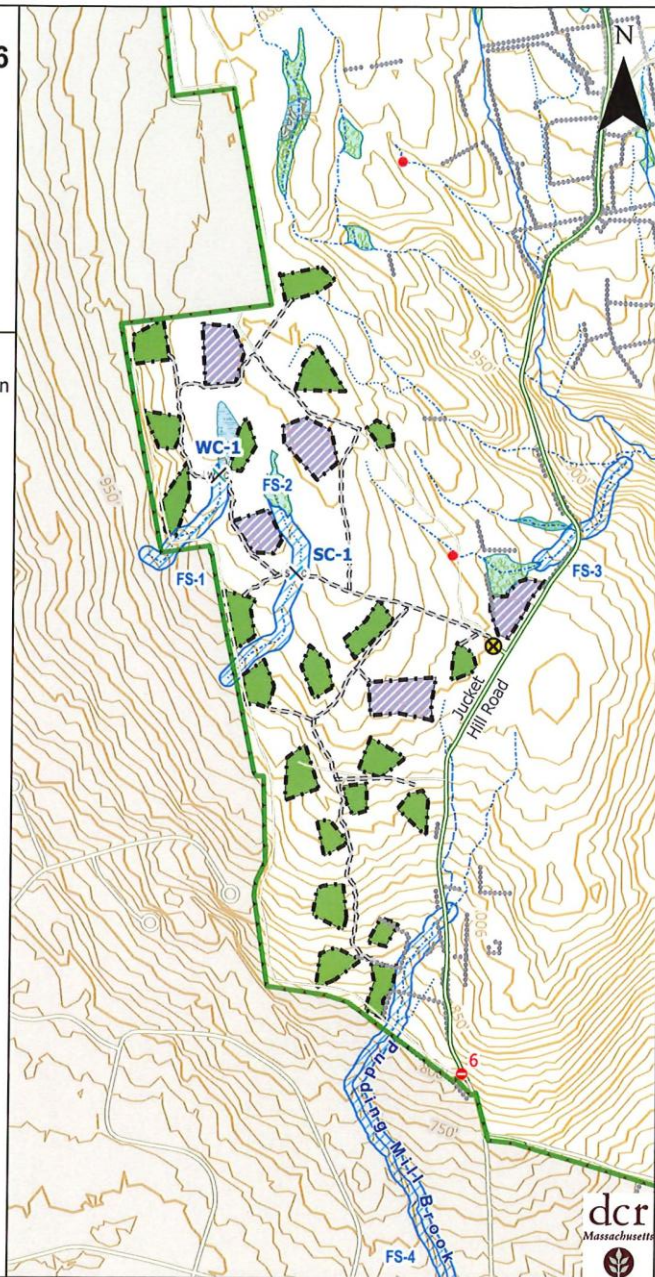
Prepared by:
Douglas Hutcheson
MA DCR DWSP
Quabbin & Ware River Forestry

Scale: 1:12,000
1 inch = 1,000 feet
Created: 3/25/2025

Data sources:
MassGIS, DCR, & EOEEA

- Minor Street
- Quabbin Reservoir Reservation
- DCR DWSP Gate
- Forest Road/Trail
- Other DCR Road
- ✕ Stream Crossing
- ✕ Wetland Crossings
- Filter Strips
- Swamp/Marsh
- Forested Swamp/Marsh
- Stream/River: Perennial
- Stream/River: Intermittent
- Stream/River: Ephemeral
- Canal/Ditch
- DCR Verified Vernal Pool
- ✕ Landings
- = Skid Trails
- ST-1
- ST-2
- harvest boundary
- Stone Walls

0 500 1,000 2,000
ft

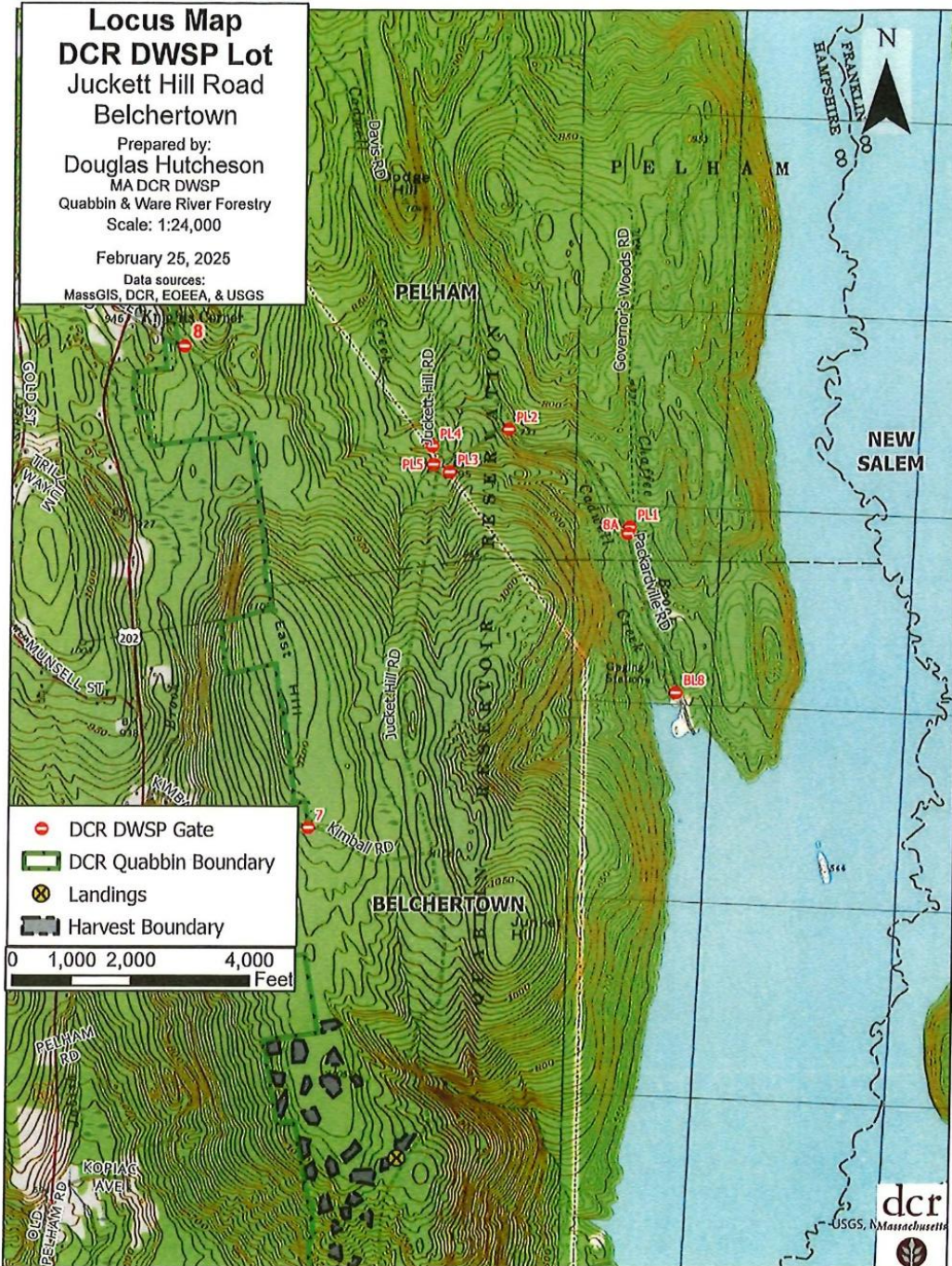


Locus Map
DCR DWSP Lot
Juckett Hill Road
Belchertown

Prepared by:
Douglas Hutcheson
MA DCR DWSP
Quabbin & Ware River Forestry
Scale: 1:24,000

February 25, 2025

Data sources:
MassGIS, DCR, EOEEA, & USGS



- DCR DWSP Gate
 - DCR Quabbin Boundary
 - Landings
 - Harvest Boundary
- 0 1,000 2,000 4,000 Feet



dc



COMMONWEALTH OF MASSACHUSETTS

Department of Conservation and Recreation

Division of State Parks and Recreation

FILE # 024-43197-25

FOREST CUTTING PLAN CERTIFICATE

W

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) (Address) Belchertown, MA 01007 in accordance with the

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

Juckett Hill Rd lot. (1066)

Approval Date 4/1/25

Director's Agent Jacob Macko

DCR Phone No. (877) 262-2824

ISSUED BY:

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

Figure 2: Pre-Harvest Photographs

1066-1



1066-2

