

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

Project Title: Carter Road Pine

DWSP Harvest Permit Number: 1068

DWSP Proposal ID: HA-23-12W, HA-23-12E

DCR Forest Cutting Plan File Number: 124-4345-26

Site Information

Watershed: Quabbin

Town(s): Hardwick

Acres: 23

Nearest Road: Carter Road

Natural Heritage Atlas overlap: No

Public Drinking Water Supply Watershed: Yes

Forest Types: White pine, white pine-oak, oak-hardwoods, red pine

Area of Critical Environmental Concern (ACEC): No

Soil(s): Well to moderately well drained fine sandy loam

Wetland Resources: Three

Vernal Pools: Four

Harvest Information

Harvest Start Date: TBD

Harvest End Date: TBD

Number of Wetland Crossings: 1

Number of Stream Crossings: 1

Best Management Practices Applied

Stream Crossings: Portable bridge and seed to be utilized for bank and soil stabilization

Filter Strips: 4 variable width filter strips to be utilized

Wetland Crossings: Corduroy will be utilized for soil stabilization

Harvesting in Wetlands: N/A

DWSP Forester supervising this harvest

Name: Douglas Hutcheson

Forester License number: 375

Phone number: (413) 221-2650

Email: douglas.hutcheson@mass.gov

Narrative

General Description/Forest Composition/History

The forest on both sides of Carter Road is generally a closed canopy, even aged forest. The soils are well to moderately well-drained fine, sandy loams. The most prevalent canopy species are red, black, scarlet and white oak, along with white pine and the remnants of former red pine plantations. Red maple, black cherry, and black and white birch are common. There is also some white ash, yellow birch, hickory and a few hemlock groves on the north facing slopes. Topography is mostly mild with occasional moderately steep sections which will be worked conservatively or avoided depending on severity.

Site Selection

The entire project area of 120 acres, including and surrounding the 23 acres to be harvested under this forest cutting plan, have been previously harvested. Treatments were completed on parts of the total acreage in 1976, 1979, 1989, and most recently in 2007. These past harvests established white pine, black birch and some oak regeneration. Health of the white pine and hardwood stands appears generally good; conversely, decline and mortality has occurred in the red pine, undoubtedly from scale and root rot. Hemlock adelgid and hemlock scale are present. Spongy Moth defoliation was severe from 2016-2020, killing oak and other susceptible species.

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. As noted above, previous harvests have resulted in moderate success in regenerating cohorts of oak and pine, as well as other hardwood species. This harvest will increase light availability to the forest floor to facilitate continued regeneration of young trees. The site was also selected to harvest the remaining red pine and complete the transition from a monoculture to a future forest of mixed hardwood and coniferous species.

Cultural Resources

Historic features such as stone walls and cellar holes will be avoided and/or protected.

Rare or Endangered Species

Coyote, bear, bobcat, deer, raccoon, turkey, grouse, and moose are some of the larger species known to inhabit this area.

Figures

Figure 1. Final Forest Cutting Plan

AUG 19 2025

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	24431626	Case No.	
Date Rec'd	08-19-25	Nat. Hert.	NO
Earliest Start	09-04-25	Pub. Dr. Wat.	QUABBIN
River Basin	CHICOPEE	ACEC	NO
Gen. Obj.	LT		

Site Information

Location

Town Hardwick 1068
 Road Carter Road
 Acres 23 Proposed Start Date TBD
 Vol. MBF 191.8 Vol. Cds. 122 Vol. Tons 957

Plan Preparer

Name Douglas Hutcheson
 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 Quabbin
 Mailing Address 485 Ware Road
 Town, State, Zip Belchertown, MA 01007
 Phone (413) 323-6921
 Ch61 61A 61B Stew *Case #
 FSC CR CR Holder

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.

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' <input checked="" type="checkbox"/>			
Stabilization	SE			

Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing	75			
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

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.
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony	Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits.
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud	Consult MA Forestry BMP Manual for further information.
LO Landowner	PO Poled	ST Stone		GR Gravel	
OT Other	OT Other	HB Hay Bales		OT Other	

Forest Products

Products to be Harvested*

Species	Mbf/Cds		Mbf/Cds
White Pine	119.1	Red Maple	2.9
Red Pine	11.5	Sugar Maple	
Pitch Pine		Red Oak	29.9
Hemlock	22.3	Black Oak	2.7
Spruce		White Oak	2.4
Other Sftwd.		Other Hdwd.	
White Ash		Total Mbf	191.8
Beech		Cordwood (Cds)	122
White Birch		SW Pulp (Tons)	957
B & Y Birch	0.9	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

*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

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	WO <input checked="" type="checkbox"/>	WO <input checked="" type="checkbox"/>		
Acres	13.5	9.5		
Landowner Objective	LT	LT		
Designation of Trees	CT <input checked="" type="checkbox"/>	CT <input checked="" type="checkbox"/>		
Type of Cut	SE <input checked="" type="checkbox"/>	CC <input checked="" type="checkbox"/>		
Source of Regeneration	SE <input checked="" type="checkbox"/>	SE <input checked="" type="checkbox"/>		

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.

Signature of landowner(s)

8/12/2025

Date

Service Forester

Determination and Status 124.43415.216

Approved Disapproved Expires 08-19-27

Signature of Service Forester/Director's Agent *Jacob Seidel* Date 7/4/25

Extension 1 2 Expires 1 Ser. For. Ints. 1

Amendment App 1 Dis 1 App 2 Dis 2 1

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 Agent

Date

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 Sanitation	OT Other
	ST Short-term Har.		

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page pg 4 of 5

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 MA DCR-DWSP

Town Hardwick

File Number 124,43415.26

BMPs
Designation of Trees

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 nineteen openings 0.5-1.0 acres in size, totaling 13.5 acres. Stand 2 is comprised of five openings 1.1-2 acres in size, totaling 9.5 acres. Well formed WP and RO stems with full canopies will be retained for their seed bearing capacity; scattered WO, BO, SO, YB, HK, RM and Hickory stems will be retained for species diversity. All red pine will be harvested.

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.

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 & understorey

Stand Map

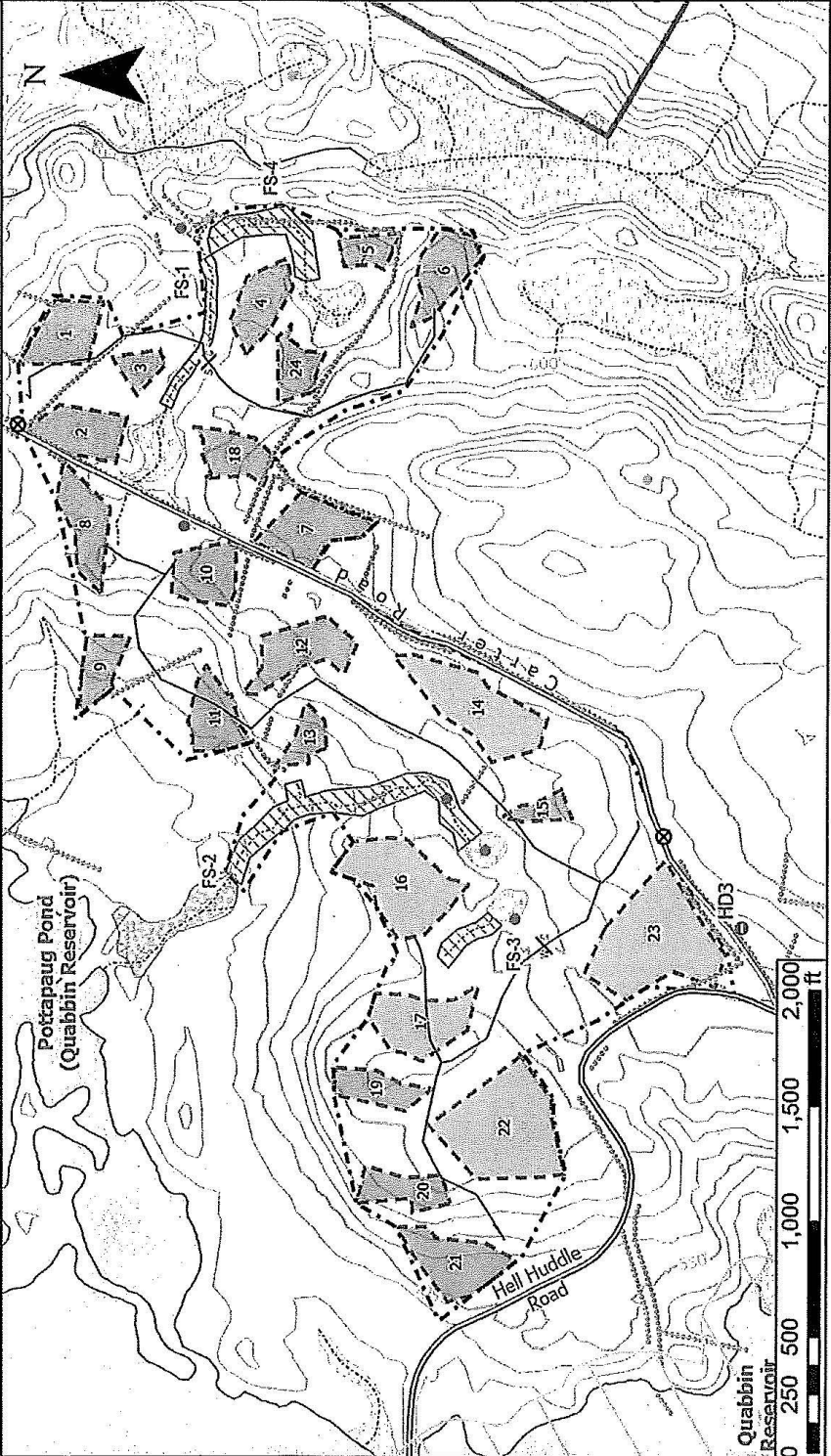
DCR DWSP Lot 1068

Carter Road
Hardwick, MA

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

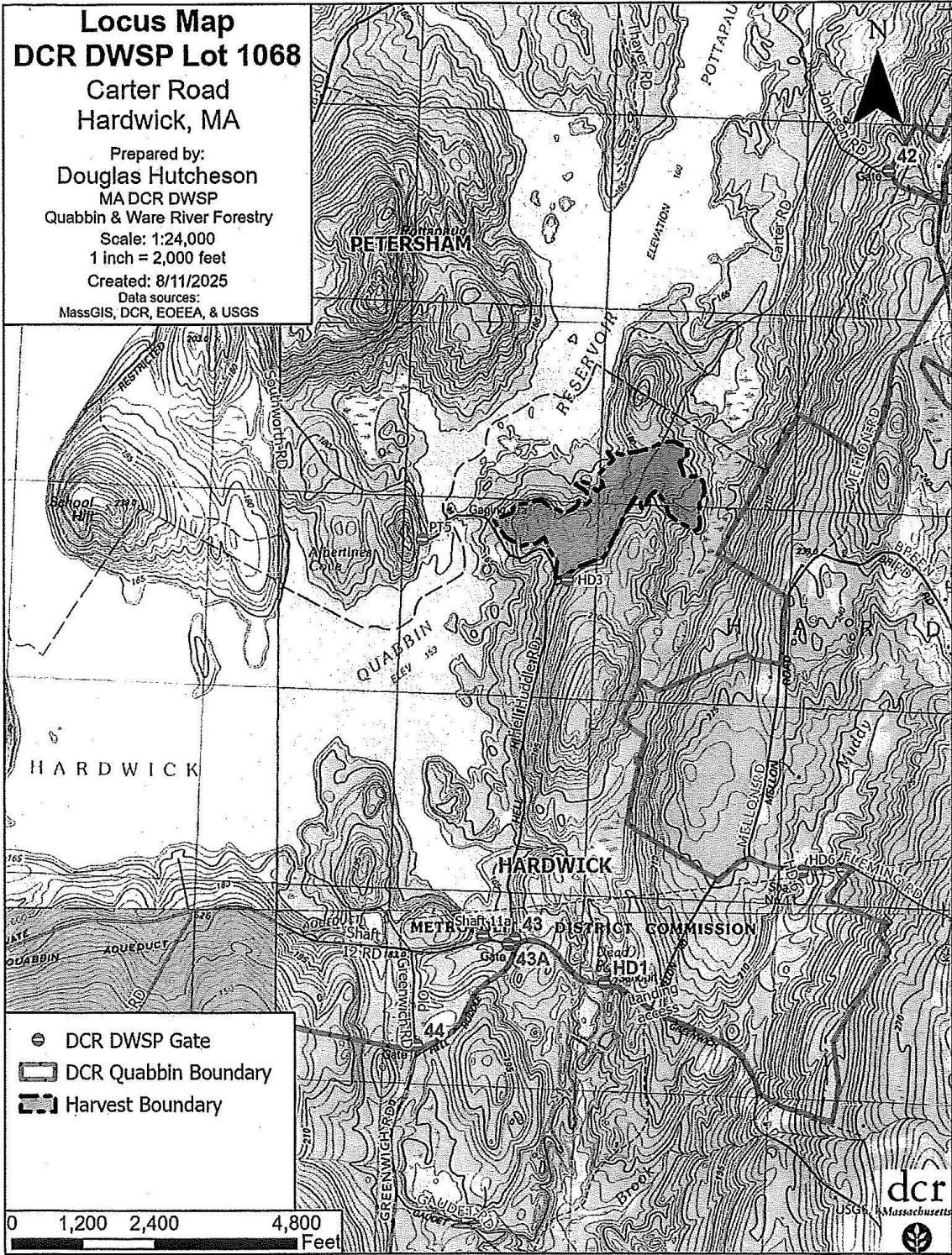
- Boundary line
- DCR DWSP Gate
- Administrative Road
- Forest Road/Trail
- Stream Crossing
- Wetland Crossings
- Filter Strips
- Swamp/Marsh
- Forested Swamp/Marsh
- Reservoir
- Stream/River: Perennial
- Stream/River: Intermittent
- Stream/River: Ephemeral
- DCR Potential Vernal Pool
- DCR Verified Vernal Pool
- Harvest boundary
- Group opening
- Clear cut (ST-2)
- Stone Walls
- Filter Strip
- Skid Trail
- Landing

Created on 8/6/2025 Scale: 1:7,200 1 inch = 600 feet Data sources: MassGIS, DCR, & EOEEA



Locus Map
DCR DWSP Lot 1068
Carter Road
Hardwick, MA

Prepared by:
Douglas Hutcheson
MA DCR DWSP
Quabbin & Ware River Forestry
Scale: 1:24,000
1 inch = 2,000 feet
Created: 8/11/2025
Data sources:
MassGIS, DCR, EOEFA, & USGS



- DCR DWSP Gate
- ▭ DCR Quabbin Boundary
- ▭ Harvest Boundary

0 1,200 2,400 4,800
Feet





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

FILE # **124.43415.26**

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 **MADSR-DUSSP Quabbin** in accordance with the
(Name of Owner) **Becketown Rd.**
(Address) **485 Ware Rd.**

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

Approval Date **9/4/2025**

Director's Agent **Jacob Sedel**

DCR Phone No. **857-345-2535**

ISSUED BY:

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