

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

**Project Title:** Prescott Ridge Pitch Pine 1  
DWSP Harvest Permit Number: 3170  
DWSP Proposal ID: PR-22-02  
DCR Forest Cutting Plan File Number: 204-33908-22

***Site Information***

Watershed: Quabbin  
Town(s): New Salem  
Acres: 20  
Nearest Road: Route 202, Cooleyville Rd. (Gate 17)  
Natural Heritage Atlas overlap?: Yes  
Public Drinking Water Supply Watershed?: Yes  
Forest Types: White Pine, Mixed Oak  
Area of Critical Environmental Concern (ACEC)?: No  
Soils: Montauk fine sandy loam, Chatfield-Hollis Complex  
Wetland Resources: No  
Vernal Pools: No

***Harvest Information***

Harvest Start Date: June 29, 2022  
Harvest End Date: August 24, 2022  
Number of Wetland Crossings: 0  
Number of Stream Crossings: 0

***Best Management Practices Applied***

Stream Crossings: None  
Filter Strips: None  
Wetland Crossings: Not Applicable  
Harvesting in Wetlands: Not Applicable

***DWSP Forester supervising this harvest***

Name: Derek Beard  
Forester License number: 14  
Phone number: 617-780-0631  
Email: derek.beard@mass.gov

## **Narrative**

### ***General Description/Forest Composition/History***

The general location of this harvest is on the west side of Cooleyville Rd (gate 17) a ¼ mile south of intersection 17-11 (Sherer Road). Specifically, it's bound to the east by past harvest 3124 and a watershed access road, to the south by steep/rocky terrain and to the west and north by a leave tree harvest boundary marked with three red slashes of paint.

The forest is composed of relatively low quality overstory white pine and mixed oak. Most of the understory is dense white pine saplings/seedlings.

### ***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 and future users. In order to achieve this, DWSP has determined that the forest should contain a diversity of species in various stages of development (seedlings through large legacy trees). In addition, the forest should be vigorous; actively growing and regenerating. Forests in this condition are ideally suited to be resilient to and quickly recover from small to large scale disturbances such as disease, insect infestation, ice storms and hurricanes.

### ***Silvicultural Objectives***

The main goal of the harvesting project is to release and/or develop a young forest age class. This will be accomplished by siting 2 openings (3.5 and 4 acres) within the eastern half of the area. Their location specifically takes advantage of Pitch Pine presence; a drought tolerate species indicative of past fire on the landscape. These areas are rare on the watershed and can provide key habitat for a suite of flora and fauna. The openings will contain green retention as well-formed trees and live/dead snags (trees with cavities) as well as dead snags.

### ***Cultural Resources***

The area encompasses several low tossed stone walls and scattered stone piles indicative of semi-improved pasture. Less common is the discovery of an old field stone bound marking the corner of an old property boundary. Within the north opening is a stake marking plot center for one of DWSP's continuous forest inventory points. From this locale forest data has been collected every decade since 1960.

### ***Rare or Endangered Species***

Maintaining and/or enhancing habitat is a high priority when planning and executing watershed forest management projects. As such, retaining live and dead snags, trees that show sign of use by wildlife for nesting/denning, scenting and foraging is a priority. Falling in a natural heritage bubble, the project was reviewed by MA Natural Heritage and Endanger Species Program and deemed to have no impact on the specie(s) within the bubble.

## **Figures**

- Figure 1. Forest Cutting Plan
- Figure 2. Photo Point Pictures

Figure 1. Forest Cutting Plan

05-25-22P08:25 RCVD

# 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 204-33908-22 Case No. NA  
Date Rec'd 5-25-22 Nat. Hert. yes  
Earliest Start 6-18-22 Pub. Dr. Wat. yes  
River Basin Chicopee ACEC NO  
Gen. Obj. CT

Site Information

### Location "Lot 3170"

Town New Salem  
Road Cooleyville Rd. (Gate 17)  
Acres 23.5 Proposed Start Date Sept. '22  
Vol. MBF 89.5 Vol. Cds. 72 Vol. Tons 189

### Plan Preparer

Name Derek Beard  
Address 485 Ware Rd.  
Town, State, Zip Belchertown, MA 01007  
Phone (617) 780-0631  
Type of Preparer Licensed Forester  
\*Mass. Forester License # 14  
\*Required for land under Ch61, Ch61A or Forest Stewardship

### Landowner

Name DCR - Div. 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 \_\_\_\_\_  
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				
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 (>50'²)				

### Service Forester Comments

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

**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	68.4	Red Maple	1.3
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	2.3
Hemlock		Black Oak	14.1
Spruce		White Oak	1.6
Other Sftwd.		Other Hdwd.	1.2
White Ash	0.3	<b>Total Mbf</b>	<b>89.5</b>
Beech		<b>Cordwood (Cds)</b>	<b>72</b>
White Birch		<b>SW Pulp (Tons)</b>	
B & Y Birch	0.3	<b>HW Pulp (Tons)</b>	
Black Cherry		<b>Chips (Tons)</b>	<b>189</b>

\*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 type="checkbox"/>	WO <input type="checkbox"/>		
Acres	4	3.5		
Landowner Objective	LT	LT		
Designation of Trees	CT <input type="checkbox"/>	CT <input type="checkbox"/>		
Type of Cut	CC <input type="checkbox"/>	CC <input type="checkbox"/>		
Source of Regeneration	AD <input type="checkbox"/>	AD <input 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)

5/25/2022  
 Date

**Service Forester**

**Determination and Status**

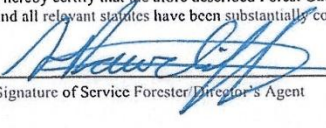
Approved  Disapproved  Expires 6-10-24  
 Cutting Plan   6-9-22  
  
 Signature of Service Forester/Director's Agent Date

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

Amendment App 1  Dis 1  App 2  Dis 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 Agent Date 10-14-22

**Codes**

Forest Types				Designation of Trees		Type of Cut		Source of Regeneration					
WP	White Pine	HK	Hemlock	OM	Mixed Oak	CT	Cut Tree	SH	Shelterwood	Intermediate Harvester:	AD	Advanced	
WK	WP Hem	HH	Hem Hdwd	RM	Red Maple	LT	Leave Tree	ST	Seed Tree	CT	Commercial Thin	SE	Natural Seed
WH	WP Hdwd	BC	Blck Cherry	BE	Beech	SB	Stand Boundary	CC	Clear Cut	NT	Non Com Thin	PL	Plant
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*	DS	Direct Seed
SR	Red Spruce	OR	N Red Oak	PP	Pitch Pine	LT	Long-term Mgt.	SN	Sanitation	DL	Diameter Limit*	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 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 DCR-DWSP

Town New Salem

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.

This project encompasses two patch clear cuts covering 7.5 acres. Both openings have green tree retention. Stand 1 is four acres and stand 2 is 3.5 acres. All trees marked blue are to be harvested. All trees not marked or marked red are being retained. Specifically, all Pitch Pine will be retained. Harvest boundary is marked with 3 red slashes. The main skid trail is marked with blue vertical slash.

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

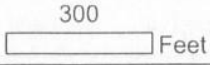
Regeneration & Future Condition

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.

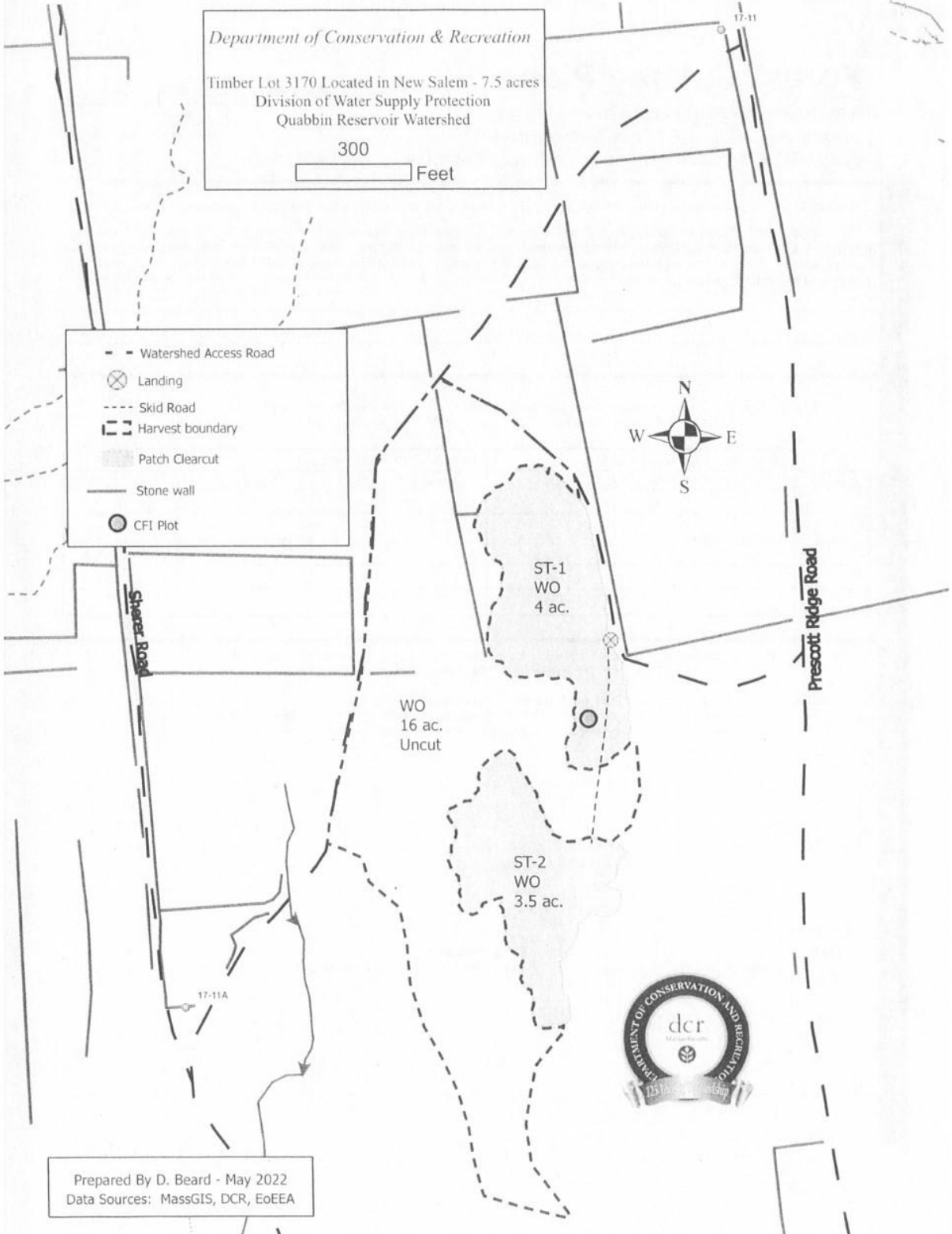
<b>Stand No.</b>	<b>Source of Regeneration</b> (ex. AD, SE )	<b>How will Regeneration be obtained/protected?</b> If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre
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<b>Stand No.</b>	<b>Desired Future Condition</b> Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory
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Department of Conservation & Recreation  
Timber Lot 3170 Located in New Salem - 7.5 acres  
Division of Water Supply Protection  
Quabbin Reservoir Watershed



- - - Watershed Access Road
- ⊗ Landing
- - - Skid Road
- - - Harvest boundary
- ▨ Patch Clearcut
- Stone wall
- CFI Plot



Prepared By D. Beard - May 2022  
Data Sources: MassGIS, DCR, EoEEA





MASSWILDLIFE

DIVISION OF  
**FISHERIES & WILDLIFE**

1 Rabbit Hill Road, Westborough, MA 01581  
p: (508) 389-6300 | f: (508) 389-7890  
**MASS.GOV/MASSWILDLIFE**

Andrew Rawcliffe  
Department of Conservation and Recreation  
P. O. Box 484  
40 Cold Storage Drive  
Amherst, MA 01004

Cutting Plan No. 204.33908.22  
NHESP Tracking No. 22-41146  
Town New Salem  
Road Cooleyville  
Landowner MA DCR DWSP  
Preparer Derek Beard  
Date June 17, 2022

Dear Andrew,

The Natural Heritage and Endangered Species Program (NHESP) of the Massachusetts Division of Fisheries and Wildlife ("the Division") has reviewed the above-referenced Forest Cutting Plan ("the Plan") pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)). Based on details of the Plan and information in our database, the Division does not expect activities proposed in the Plan to negatively impact Estimated Habitat or result in Take (as defined in 321 CMR 10.02) of plant or animal species protected under the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00). Therefore, the Division does not require that the Plan be modified at this time.

Please copy the Division on any proposed amendment, extension and on the approved Plan for the site. If you have any questions about this letter, please contact David Paulson at (508) 389-6366 or David.Paulson@mass.gov.

Sincerely,

Everose Schlüter, Ph.D.  
Assistant Director

Cc: New Salem Conservation Commission

MASSWILDLIFE



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

FILE # 204.33908.22

# 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, Belchertown, in accordance with the  
(Name of Owner) (Address) MA 01007

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

Gate 17 lot, New Salem  
(Coleville Rd)

Approval Date 6/8/22

Director's Agent Andrew Rawcliffe

DCR Phone No. 617.519.1677

ISSUED BY:

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

**Figure 2. Photo Point Pictures**

Pre-Harvest, June 2022



Post Harvest, December 2022



June 2024 (3 years of growth)

