

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

Project Title:

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: North Prescott (Gate 17)
Natural Heritage Atlas overlap?: Yes	Public Drinking Water Supply Watershed?: Yes
Forest Types: White Pine/Oak	ACEC?: No
Soils: Stony till with varying levels of sandy loam	
Wetland Resources: Intermittent brooks	
Vernal Pools: 0	

Harvest Information

Harvest Start Date: 6/28/2022	Harvest End Date: 6/27/2024
Number of Wetland Crossings: 0	Number of Stream Crossings: 0

Best Management Practices Applied

Stream Crossings	
Filter Strips	
Wetland Crossings	0
Harvesting in Wetlands	0

DWSP Forester supervising this harvest
Name: Derek Beard
Forester License #: 14
Phone #:
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. Specifically, it's bounded 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. One of the reasons for where the openings will be located is the presence of pitch pine, a barrens/droughty tree species that is typically indicative of fire on the landscape. Currently, these types of areas are uncommon on the watershed and can provide key habitat for a suite of fauna. The openings will contain green retention as well-formed trees and live snags (trees with cavities) as well as dead snags. The retention will contribute to future forest complexity.

Cultural Resources:

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

Rare or Endangered Species:

According to the latest edition of the MA Natural Heritage & Endanger Species Atlas, the project does overlap with an estimated or critical habitat area.

FIGURES

Figure 1. Forest Cutting Plan

Figure 2. Photo Point

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. LT

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%?)				

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
		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.

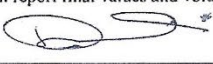
If Other (OT) is used in any category an explanation must be given on an attached narrative page

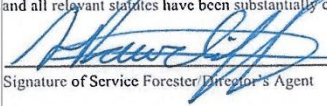

pg 3 of 5

Figure 1a: Forest Cutting Plan pg. 2.

Forest Products	Products to be Harvested*				Stand Treatment	<p><small>*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.</small></p>
	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 Sflwd.		Other Hdwd.	1.2		
	White Ash	0.3	Total Mbf	89.5		
	Beech		Cordwood (Cds)	72		
White Birch		SW Pulp (Tons)				
B & Y Birch	0.3	HW Pulp (Tons)				
Black Cherry		Chips (Tons)	189			

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	4	3.5		
Landowner Objective	LT	LT		
Designation of Trees	CT <input checked="" type="checkbox"/>	CT <input checked="" type="checkbox"/>		
Type of Cut	CC <input checked="" type="checkbox"/>	CC <input checked="" type="checkbox"/>		
Source of Regeneration	AD <input checked="" type="checkbox"/>	AD <input checked="" type="checkbox"/>		

Landowner	Landowner Signature	
	<p>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.</p>	
	<p><input checked="" type="checkbox"/> 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.</p>	<p><input type="checkbox"/> 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.</p>
	<p>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.</p>	
	 _____ Signature of landowner(s)	5/25/2022 _____ Date

Service Forester	Determination and Status				Codes	<p>Final Report and Comments</p> <p>I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.</p> <p style="text-align: right;">  _____ Signature of Service Forester/Director's Agent </p> <p style="text-align: right;"> 10-14-22 _____ Date </p>
	Approved	Disapproved	Expires			
	Cutting Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6-10-24		
	 _____ Signature of Service Forester/Director's Agent	6-9-22	Date			
	Extension	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Expires /		
	Amendment	App 1 <input type="checkbox"/>	Dis 1 <input type="checkbox"/>	App 2 <input type="checkbox"/>		
		Dis 2 <input type="checkbox"/>	Ser. For. Ints.	/		

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

Figure 1b: Forest Cutting Plan pg. 3.

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.

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

Figure 1c: Forest Cutting Plan pg 4.

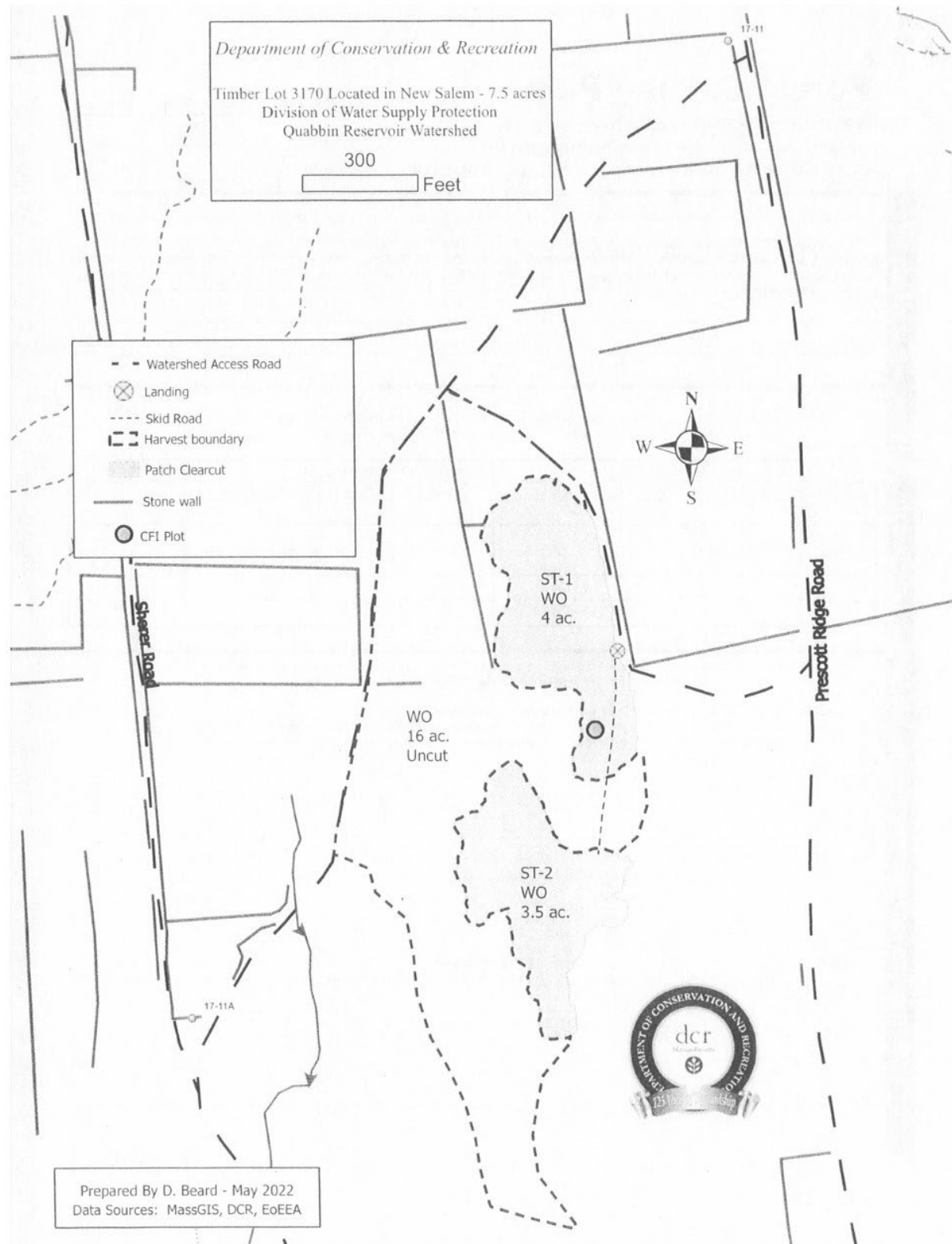


Figure 1d forest cutting plan pg 5.

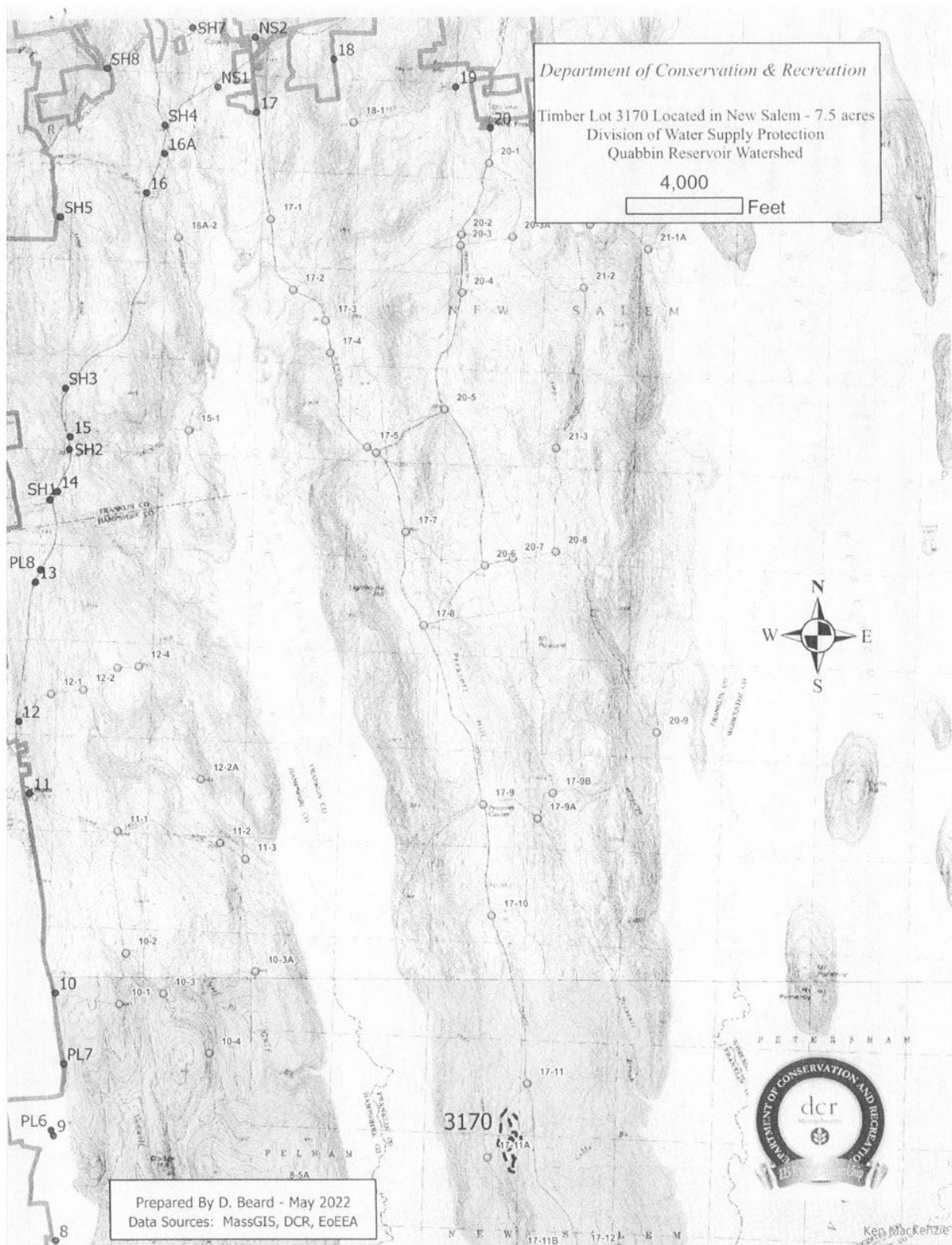


Figure 1d: Forest Cutting Plan pg. 6.



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,

A handwritten signature in cursive script, reading "Everose Schlüter".

Everose Schlüter, Ph.D.
Assistant Director

Cc: New Salem Conservation Commission

MASSWILDLIFE

dcr



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
(Cooleyville Rd)

Approval Date 6/8/22

Director's Agent Andrew Rawcliffe

DCR Phone No. 617-549-1677

ISSUED BY:

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

Figure 1e: Forest Cutting Plan page 7.

Figure 2a: Pre Harvest photo



June 2022

Figure 2b: Post Harvest Photo



December 2022