

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

Project Title: Griswold Oak Salvage
DWSP Harvest Permit Number: S15NQ
DWSP Proposal ID: PR-20-08-S
DCR Forest Cutting Plan File Number: 204-31025-21

Site Information

Watershed: Quabbin
Town(s): New Salem
Acres: 14
Nearest Road: Prescott Rd. (Gate 17) Griswold Rd (intersection 17-10)
Natural Heritage Atlas overlap?: Yes
Public Drinking Water Supply Watershed?: Yes
Forest Types: Red Oak
Area of Critical Environmental Concern (ACEC)?: No
Soils: Canton fine sandy loam
Wetland Resources: No
Vernal Pools: No

Harvest Information

Harvest Start Date: May 25, 2021
Harvest End Date: June 17, 2021
Number of Wetland Crossings: 0
Number of Stream Crossings: 1

Best Management Practices Applied

Stream Crossings: Temporary skid bridges
Filter Strips: One variable width
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 project is in the Griswold Farm area of the Prescott Peninsula, approximately 6.5 miles south from gate 17 (Cooleyville Rd). Specifically, the area is southeast of intersection 17-10 approximately 4,000 feet along Griswold Rd. It's bounded by a brook to the south, a field to the west and extent of significant oak mortality to the north and east.

The project is home to tall sawtimber red oak that died (2018). The main associates are black birch, white ash, hickory and sugar maple. Regeneration is limited to sapling/pole size black birch resulting from a 1974 thinning.

The project area was dedicated to small scale farming, mainly livestock grazing (rocky soils), prior to state ownership.

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. Forest in this condition is 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 project is to salvage dead oak which succumbed to consecutive years of intense gypsy moth caterpillar defoliation. Specifically, the project follows the pattern of mortality; such that there are uncut pockets due to the oak being alive and healthy or a change in species composition such as white pine or black birch (unaffected by gypsy moth). Furthermore, in areas of heavy mortality, oaks have been retained because they are healthy or have high wildlife value (cavity nesting/denning). In salvaging this resource, the stage will be set for a new forest to develop; with the hope it will be diverse/resilient enough to ward off the myriad issues affecting it today and in the future.

Cultural Resources

Stone walls are the predominant cultural resource. Several cellar holes were found and identified just beyond the project's south boundary.

Rare or Endangered Species

Overlapping a habitat bubble, the project was reviewed by the MA Natural Heritage and Endanger Species program who determined the harvest would not negatively impact the specie(s) within the bubble.

Figures

- Figure 1. Forest Cutting Plan

Figure 1. Forest Cutting Plan

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 204.31025.21 Case No. NA
 Date Rec'd 10/26/2020 Nat. Hert. True
 Earliest Start 11/10/2020 Pub. Dr. Wat. Yes
 River Basin Chicopee ACEC Yes
 Gen. Obj. LT

Site Information

Location

Town New Salem
 Road Cooleyville Rd. (Gate 17)
 Acres 14.00 Proposed Start Date 12/14/2020
 Vol. MBF 79.300 Vol. Cds. 144 Vol. Tons 0

Plan Preparer

Name Derek Beard
 Address 485 Ware Rd
 Town, State, Zip Belchertown MA 01007
 Phone 617-780-0631
 Type of Preparer LF
 *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 Massachusetts 01007
 Phone 413-323-6921
 Ch61 61A 61B Stew *Case # _____
 FSC CR CR Holder _____
Licensed Timber Harvester**
 Name _____
 Address _____
 Town, State, Zip MA
 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	ST, MU			
Bank Height (ft)	1.00			
Stabilization	CO			

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)	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

** Heritage No Impact * AR*
** See Attached * AR*

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	Mb/Cds		Mb/Cds
White Pine	1,400	Red Maple	2,300
Red Pine	3,400	Sugar Maple	0,700
Pitch Pine		Red Oak	53,500
Hemlock		Black Oak	5,800
Spruce		White Oak	3,600
Other Softwd.		Other Hdwd.	1,000
White Ash	3,700	Total MbF	79,300
Beech		Cordwood (Cds)	144,000
White Birch		SW Pulp (Tons)	
B & Y Birch	3,900	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

*Note: Volumes and values 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	OR			
Acres	14,000			
Landowner Objective	LT			
Designation of Trees	CT			
Type of Cut	SA			
Source of Regeneration	SE,CO			

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 and values (Ch61 only) 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]

Signature of landowner(s)

See next pag

Date

Service Forester

Determination and Status

Approved Disapproved Expires 10/26/2022

Cutting Plan 11-9-20

[Signature] 11-9-20
Signature of Service Forester/Director's Agent Date

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] 2-7-22
Signature of Service Forester/Director's Agent Date

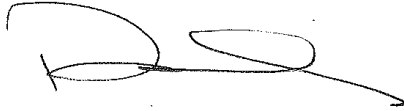
Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	HK Hemlock	CT Cut Tree	SH Shelterwood
WK WP/Hem	HH Hem/Hdwd	LT Leave Tree	ST Seed Tree
WH WP/Hdwd	BC Blck Cherry	SB Stand Boundary	CC Clear Cut
WO WP/Oak	BS Bee/Bie/Map	OT Other	SE Selection
RP Red Pine	OH Oak/Hdwd	Landowner Objective	SA Salvage
SR Red Spruce	OR N Red Oak	LT Long-term Mgt.	SN Sanitation
		ST Short-term Har.	Intermediate Harvests:
			AD Advanced
			CT Commercial Thin
			SE Natural Seed
			NT Non Corn Thin
			PL Plant
			CO Coppice
			DS Direct Seed
			OT Other
			Non-Standard Systems*:
			HG Highgrade*
			DL Diameter Limit*
			OT Other*

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page pg 4 of 6

10/14/2020

DCR Massachusetts - Forestry Permitting and Tracking System

A handwritten signature in black ink, appearing to be 'Derek Beard', written over a horizontal line.

CLEAR

Last Modified By: derek.beard@mass.gov

Last Modified Date: 10/14/2020 8:14 AM

✕ CANCEL

DISCARD

📄 SAVE AS DRAFT

SUBMIT →

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 of Water Supply Prote

Town New Salem

File Number 204.31025.21

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.

Most of the oak (80%) on this project is dead at the hands of a 2017-18 gypsy moth infestation. Cut trees are marked blue. Main skid roads are marked in orange paint.

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

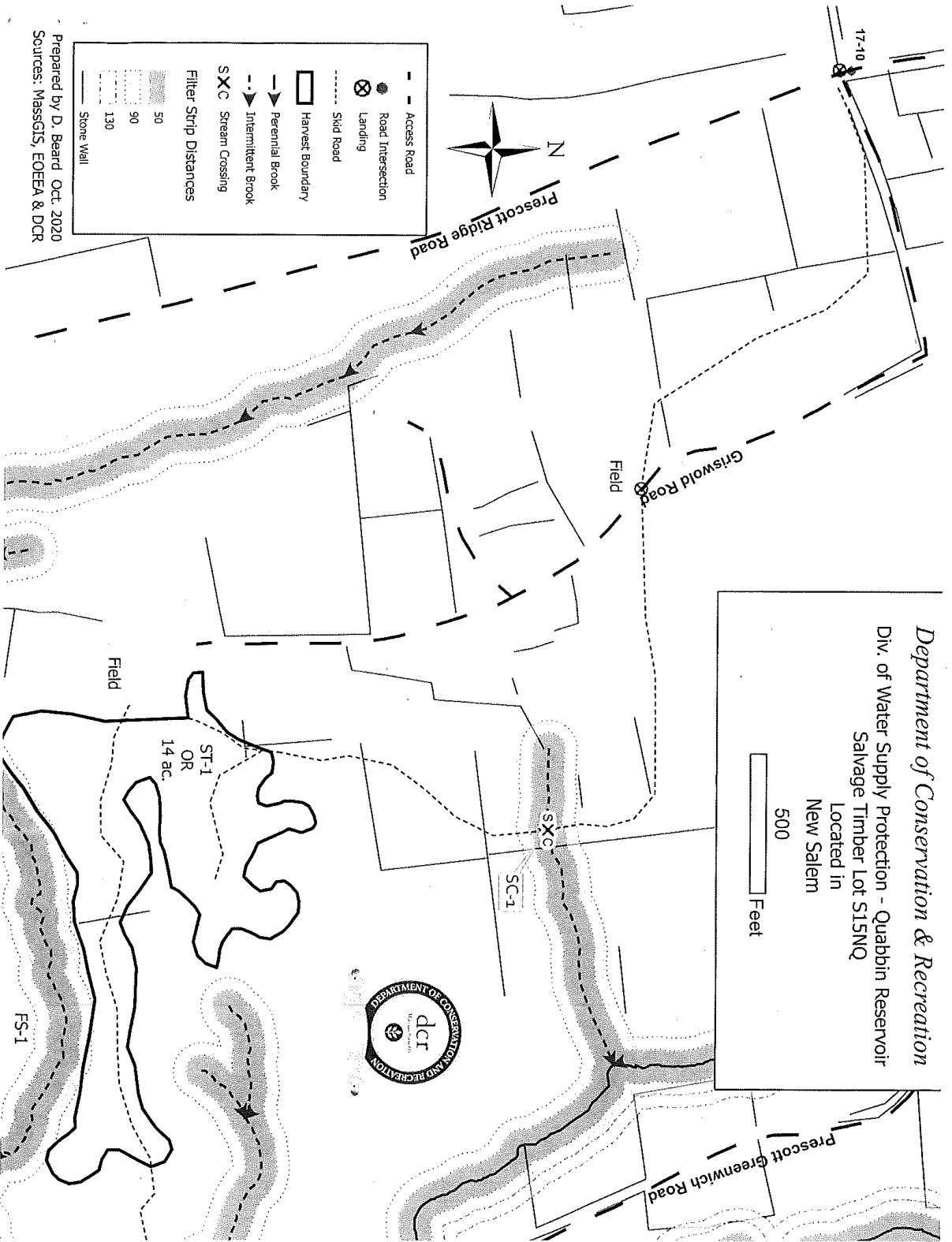
Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

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

Department of Conservation & Recreation
 Div. of Water Supply Protection - Quabbin Reservoir
 Salvage Timber Lot S15N0
 Located in
 New Salem

500 Feet



- - - - -	Access Road
●	Road Intersection
⊗	Landing
-----	Skid Road
□	Harvest Boundary
→	Perennial Brook
- - - - -	Intermittent Brook
SXC	Stream Crossing
Filter Strip Distances	
[Stippled Pattern]	50
[Dotted Pattern]	90
[Cross-hatched Pattern]	130
—	Stone Wall

Prepared by D. Beard Oct. 2020
 Sources: MassGIS, EOEA & DCR



Department of Conservation & Recreation

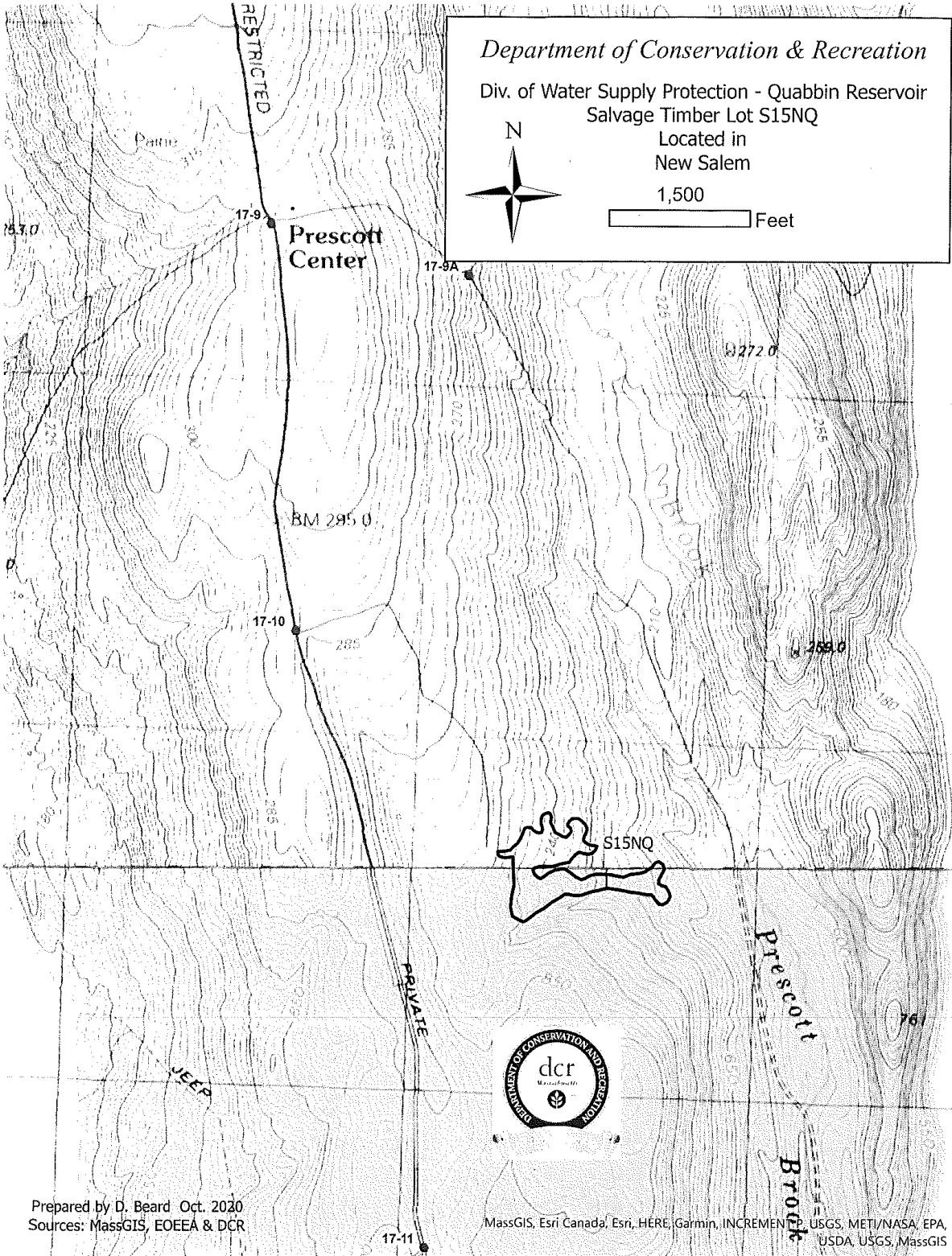
Div. of Water Supply Protection - Quabbin Reservoir
Salvage Timber Lot S15NQ

Located in
New Salem



1,500

Feet



Prepared by D. Beard Oct. 2020
Sources: MassGIS, EOEEA & DCR

MassGIS, Esri Canada, Esri, HERE, Garmin, INCREMENTAL, USGS, METI/NASA, EPA, USDA, USGS, MassGIS



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
40 Cold Storage Drive
Amherst, MA 01004

Cutting Plan No. 204.31025.21
NHESP Tracking No. 20-39705
Town New Salem
Road Cooleyville Rd. (Gate 17)
Landowner DCR DWSP
Preparer Derek Beard
Date November 4, 2020

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 the NHESP 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 Rebekah Zimmerer at (508) 389-6354 or rebekah.zimmerer@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 # 204-31025-21

W

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

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

Gate 17 / lot, New Salem
Cooleyville Rd

Approval Date 11/9/2020

Director's Agent Andrew Rawcliffe

DCR Phone No. 617-549-1677

ISSUED BY:

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