

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

Project Title: Fish Hill South Face

DWSP Harvest Permit Number: 3168

DWSP Proposal ID: PR-20-19

DCR Forest Cutting Plan File Number: 204-33804-22

Site Information

Watershed: Quabbin

Town(s): New Salem

Acres: 150

Nearest Road: North Prescott (Gate 20)

Natural Heritage Atlas overlap?: Yes

Public Drinking Water Supply Watershed?: Yes

Forest Types: Oak/Hardwood, White Pine/Oak

Area of Critical Environmental Concern (ACEC)?: No

Soils: Stony till with varying levels of sandy loam

Wetland Resources: Intermittent brooks

Vernal Pools: No

Harvest Information

Harvest Start Date: 4/4/2021

Harvest End Date: 6/27/2023

Number of Wetland Crossings: 0

Number of Stream Crossings: 0

Best Management Practices Applied

Stream Crossings: 1; Temporary skid bridge with corduroyed slash

Filter Strips: 3 variable width

Wetland Crossings: None

Harvesting in Wetlands: None

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 North Prescott Road (gate 20) between intersections 20-3 and 20-5. Specifically, it's bounded to the east by old red pine plantations, north and northwesterly by an un-named height of land, to the west by the base of slope and to the south by a branch of Dickey Brook.

The forest is composed of overstory white pine and mixed hardwood (red maple, birch, ash, oak and cherry). Most of the understory is black birch saplings/poles. Overstory timber quality is quite variable ranging from average to low quality white pine and average to better quality hardwood. A small inholding (2 ac.) of red pine covers southern portions of harvest area.

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 harvesting project is to release and/or spur a young forest age class. This will be accomplished by the siting of 4 openings across the harvest area that range between 2.3 and 4.9 acres in size. Openings over a half-acre (0.5) have live tree retention that will contribute to future forest complexity. In addition to the openings, 68 poor quality overstory white pine will be girdled to facilitate continued release of established understory.

Cultural Resources

Given the area's proximity to a main access road one cellar hole was identified along with numerous stone walls.

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

03-08-22P03:16 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: <u>204-33804-2</u>	Case No. <u>N/A</u>
Date Rec'd: <u>3/8/22</u>	Nat. Hert. <u>yes</u>
Earliest Start: <u>3/23/22</u>	Pub. Dr. Wat. <u>yes</u>
River Basin: <u>Chicopee</u>	ACEC <u>NO</u>
Gen. Obj.: <u>LT</u>	

Site Information

Location

Town New Salem
 Road North Prescott Rd. (gate 20)
 Acres 13 Proposed Start Date Summer '22
 Vol. MBF 128.9 Vol. Cds. 161 Vol. Tons 256

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, 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	ST			
Bank Height (ft)	1-2' <input checked="" type="checkbox"/>			
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	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 - 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*

Table with 4 columns: Species, MbF/Cds, and MbF/Cds. Rows include White Pine, Red Pine, Pitch Pine, Hemlock, Spruce, Other Sftwd., White Ash, Beech, White Birch, B & Y Birch, and Black Cherry.

*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

Table with 5 columns: Indicate location on map, ST-1, ST-2, ST-3, ST-4. Rows include Forest Type, Acres, Landowner Objective, Designation of Trees, Type of Cut, and Source of Regeneration.

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.

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.

Dan Clark
Digitally signed by Dan Clark
Date: 2022.03.08 07:31:47 -05'00'

3/8/2022

Signature of landowner(s)

Date

Service Forester

Determination and Status

Form with checkboxes for Approved, Disapproved, Expires, Extension, and Amendment. Includes handwritten dates and signatures.

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: 3.13.25

Codes

Table with 5 columns: Forest Types, Designation of Trees, Type of Cut, Intermediate Harvester, and Source of Regeneration. Lists various codes and their corresponding descriptions.

*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 13 acres of openings and single tree selection (stand 5) within a 150 acre project area. Specifically, there are four openings spread across the area that range between 2.3 and 4.9 acres in size. Each opening has green tree retention that will add to the area's future forest diversity/complexity. In addition to green tree retention, live and dead wildlife trees (known as snags) have been left. Stands 3 and 4 have a distressed red pine component caused by a scale insect invasion first noticed on the watershed in 2007. Stand 5 encompasses all non opening area where a selection of large, poor quality white pine will be girdled to release advanced regeneration. Trees to be harvested are marked with blue paint. Main skid roads are marked with orange paint. Girdle trees are marked with a blue "G".

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.	Source of Regeneration	How will Regeneration be obtained/protected?
5	AD	Stand 5 covers all area between openings (138 acres) where designated poor quality large white pine will be girdled in order to release small openings (1/4 acre or less) of advanced regeneration (pole size) consisting of black birch, oak, white pine and hickory.

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 No.	Desired Future Condition
5	With the girdling of selected cull trees; the established understory should be able to successfully grow into the large pole/small sawtimber size class.

Department of Conservation & Recreation

Div. of Water Supply Protection - Quabbin Reservoir
Timber Lot 3168
Located in
New Salem

700
Feet



- - - Access Road
- Road Intersection
- ⊗ Landing
- ⋯ Skid Road
- ▭ Harvest Boundary
- Opening
- Perennial Brook
- - -> Intermittent Brook
- Filter Strip Distances
- 50
- 90
- 130
- Stone Wall
- ⊠ Cellar Hole

ST-2
WO
2.6 ac.

ST-5
WP
138 ac.

ST-1
WH
3.1 ac.

FS-1

Field

North Prescott Road

ST-3
WP/RP
4.9 ac.

FS-2

SXC SC-1

Field

ST-4
WP/RP
2.3 ac.

FS-3

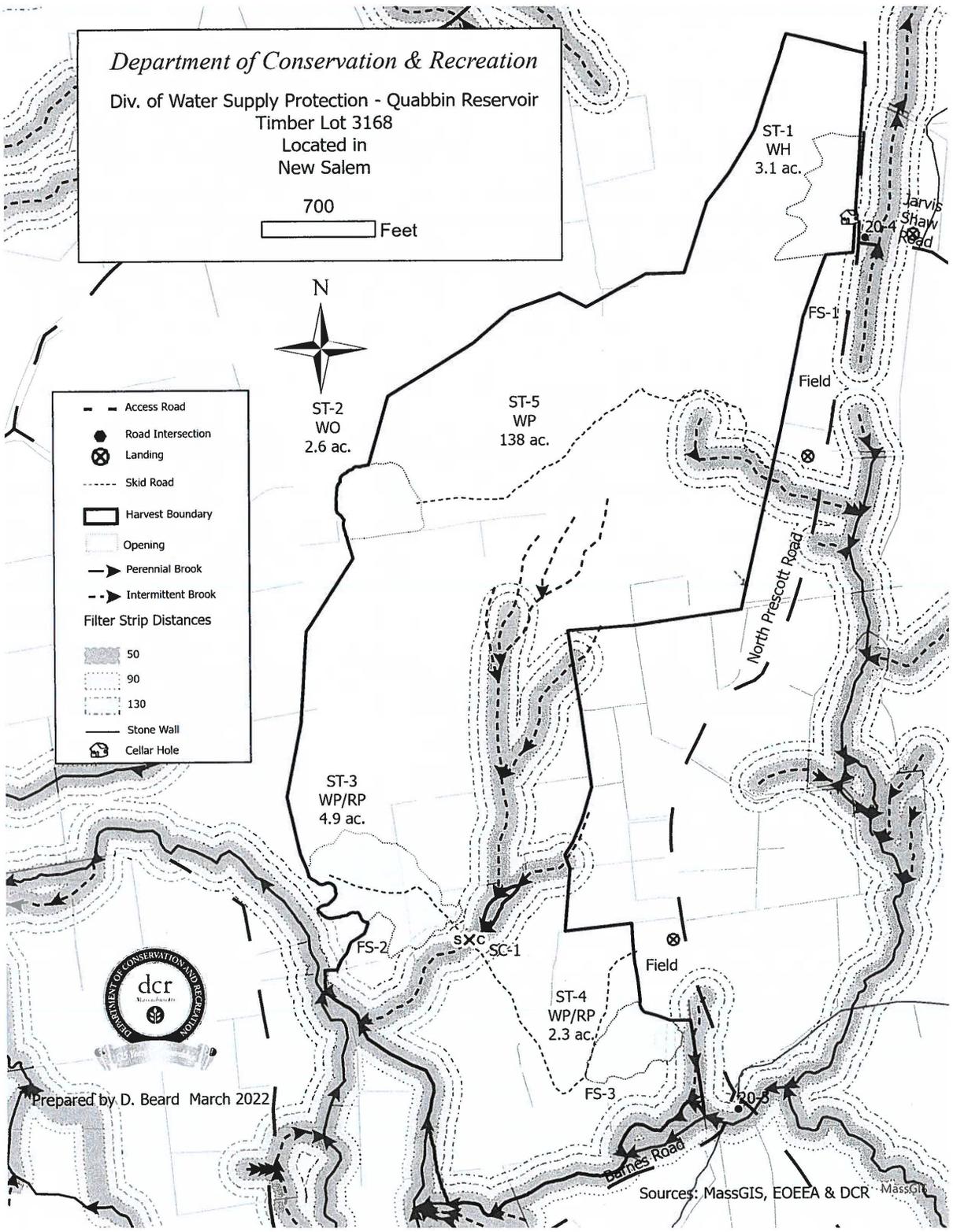
720-5

Barnes Road



Prepared by D. Beard March 2022

Sources: MassGIS, EOEEA & DCR - MassGIS



dcir



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

FILE #

204.33804.22

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

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

"3168" lot. New Salem
(N. Prescott Rd/gate 205)

Approval Date 3/24/22

Director's Agent Andrew Rawcliffe

DCR Phone No. 607.549.1677

ISSUED BY:

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