

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

Project Title: Chapin-Page-Wilder Estate
DWSP Harvest Permit Number: 3174
DWSP Proposal ID: PR-22-02
DCR Forest Cutting Plan File Number: 204-36192-23

Site Information

Watershed: Quabbin
Town(s): New Salem
Acres: 48
Nearest Road: Route 202, Cooleyville Rd. (Gate 17)
Natural Heritage Atlas overlap?: Yes
Public Drinking Water Supply Watershed?: Yes
Forest Types: Red Oak, Mixed Oak Dry Site, White Pine/Hardwood and Hemlock/Hardwood
Area of Critical Environmental Concern (ACEC)?: No
Soils: Chatfield Hollis Complex
Wetland Resources: Yes; intermittent brook
Vernal Pools: No

Harvest Information

Harvest Start Date: July 18,2024
Harvest End Date: August 29, 2024
Number of Wetland Crossings: 0
Number of Stream Crossings: 1

Best Management Practices Applied

Stream Crossings: Temporary skid bridge
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

General harvest location is 7.5 miles south of gate 17 in the Sherer Road area of the Prescott peninsula. The lion's share of the project is south of intersection 17-11A on the east side of Sherer Road. Specifically, it is bounded to the north and west by Sherer Road, and to the south and east by old skid road/farm lane, steep slope and wetland.

Majority overstory composition is split between red oak and dry site mixed oak (black, scarlet, white and chestnut) with minority of white pine/hardwood and hemlock/hardwood. Common mid-story cover includes mixed oak, black birch, red maple and hickory. Excepting a half-acre opening, now mostly composed of small pole size black birch (2001 hemlock salvage), nature has dictated understory composition/development. Beyond the opening, regeneration consists of sapling/small pole size white pine, black birch and red maple. Moderate to heavy overstory oak mortality from a repeated Spongy moth infestation (2016,17,18) has been fortuitous for continued understory development (particularly white pine).

The project encompasses a DWSP continuous forest inventory (CFI) plot. These permanent forest inventory plots span the entirety of DWSP's Quabbin watershed land and have been measured once a decade since 1960. They capture present forest composition/conditions that, when evaluated over time, provide landscape scale trends that can inform future watershed forest management action(s).

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 users and future generations. 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 suited to be resilient to and quickly recover from small- and large-scale disturbances such as disease, insect infestation, ice storms and hurricanes. Sufficient advanced regeneration coupled with an underrepresented young forest layer merits some regeneration harvesting.

Silvicultural Objectives

The main goal of the harvest is developing and/or establishing a diverse young forest age class. To accomplish this, three patch openings were sited across 48 acres. The openings total 7.5 acres, average 2.5 acres and range from 1.5 to 4 acres in size. They're well-spaced and mesh with the landscape. In addition, they all have remaining live trees that will contribute to future forest complexity.

Cultural Resources

The project is bounded by a watershed access road, which, prior to state ownership, was a town thoroughfare with residences. Given the history, one cellar hole has been identified (on the road) within the project area. Evidence of old property boundaries was also discovered.

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 area 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

Lot 3174

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 204-26197-23 Case No. NA
 Date Rec'd 12/14/22 Nat. Hert. Yes
 Earliest Start 12/30/22 Pub. Dr. Wat. Yes
 River Basin Chicopee ACEC No
 Gen. Obi. Li

Site Information	<p>Location</p> <p>Town <u>New Salem</u> Road <u>Sherer Rd. (Gate 17)</u> Acres <u>48</u> Proposed Start Date _____ Vol. MBF <u>66.5</u> Vol. Cds. <u>99</u> Vol. Tons <u>81</u></p> <p>Plan Preparer</p> <p>Name <u>Derek Beard</u> Address <u>485 Ware Rd.</u> _____ Town, State, Zip <u>Belchertown, MA 01007</u> Phone <u>(617) 780-0631</u> Type of Preparer <u>Licensed Forester</u> *Mass. Forester License # <u>14</u> *Required for land under Ch61, Ch61A or Forest Stewardship</p>	<p>Landowner</p> <p>Name <u>DCR - Div. of Water Supply Protection</u> Mailing Address <u>485 Ware Rd.</u> _____ Town, State, Zip <u>Belchertown, MA 01007</u> Phone <u>413-323-6921</u> Ch61 <input type="checkbox"/> 61A <input type="checkbox"/> 61B <input type="checkbox"/> Stew <input type="checkbox"/> *Case # _____ FSC <input type="checkbox"/> CR <input type="checkbox"/> CR Holder</p> <p>Licensed Timber Harvester**</p> <p>Name _____ Address _____ Town, State, Zip _____ Phone _____ Mass. Lic. Harvester # _____ **This information may be supplied after the plan is approved, but before work begins.</p>
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Best Management Practices	<p>Stream Crossings</p> <table border="1"> <thead> <tr> <th>Indicate location on map</th> <th>SC-1</th> <th>SC-2</th> <th>SC-3</th> <th>SC-4</th> </tr> </thead> <tbody> <tr> <td>Type of Crossing</td> <td>BR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Existing Structure</td> <td>NO</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type of Bottom</td> <td>ST/MU</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bank Height (ft)</td> <td><1' <input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stabilization</td> <td>CO</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Wetland Crossings</p> <table border="1"> <thead> <tr> <th>Indicate location on map</th> <th>WC-1</th> <th>WC-2</th> <th>WC-3</th> <th>WC-4</th> </tr> </thead> <tbody> <tr> <td>Length of Crossing</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mitigation</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stabilization</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Filter Strips</p> <table border="1"> <thead> <tr> <th>Indicate location on map</th> <th>FS-1</th> <th>FS-2</th> <th>FS-3</th> <th>FS-4</th> </tr> </thead> <tbody> <tr> <td>Width (50', 100', or VA)</td> <td>50</td> <td>50</td> <td></td> <td></td> </tr> </tbody> </table>	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' <input checked="" type="checkbox"/>				Stabilization	CO				Indicate location on map	WC-1	WC-2	WC-3	WC-4	Length of Crossing					Mitigation					Stabilization					Indicate location on map	FS-1	FS-2	FS-3	FS-4	Width (50', 100', or VA)	50	50			<p>Harvesting in Wetlands</p> <table border="1"> <thead> <tr> <th>Indicate location on map</th> <th>HW-1</th> <th>HW-2</th> <th>HW-3</th> <th>HW-4</th> </tr> </thead> <tbody> <tr> <td>Forest Type (see pg 2)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Acres to be Harvested</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Resid. Basal Area (>50%?)</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Service Forester Comments</p> <p><u>* Heritage = no Impact - See Attached - DR</u></p> <p>_____ _____ _____ _____</p>	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%?)				
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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. Consult MA Forestry BMP Manual for further information.
	TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud	
	LO Landowner	PO Polod	ST Stone		GR Gravel	
	OT Other	OT Other	HB Hay Bales		OT Other	
			OT Other			

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.

Handwritten signature of the landowner.

12/13/2022

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.

Handwritten signature of the service forester.

8.14.24

Signature of Service Forester/Director's Agent

Date

Codes

Table with 4 columns: Forest Types, Designation of Trees, Type of Cut, 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. The 48 acre area encompasses three openings totaling 7.6 acres. Openings range from 1.5 to 4.1 acres in size. All openings have green tree retention. Trees to be harvested are marked blue and orange (skid roads delineated in orange). Leave tree opening boundaries are marked with 3 red slashes.

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

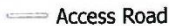




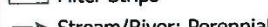
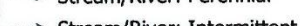
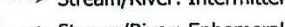
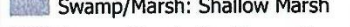
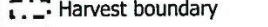
Stand Map Quabbin Lot 3174


Sherer Rd
New Salem, MA

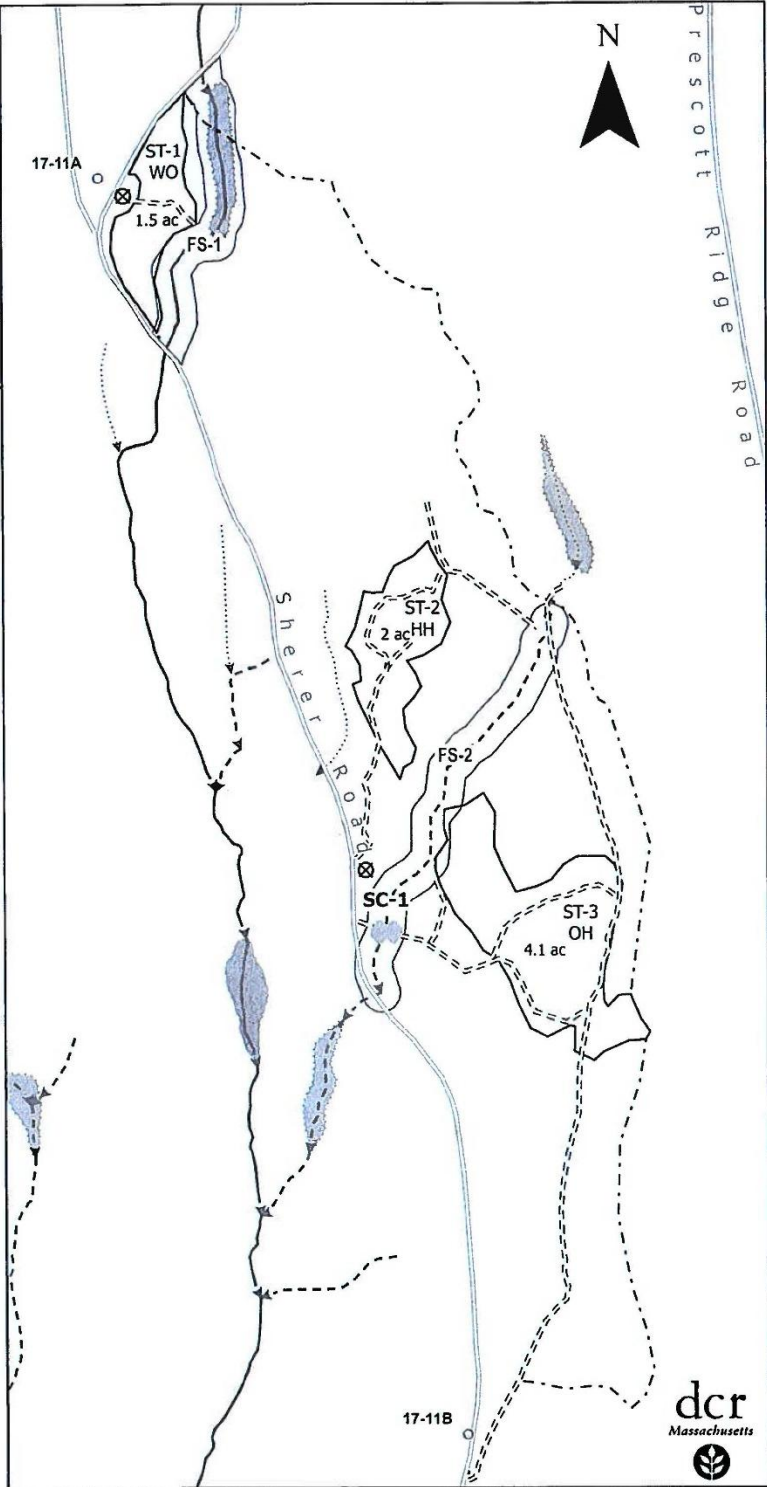
Prepared by:
Derek Beard
MA DCR DWSP
Quabbin & Ware River Forestry

Scale: 1:6,000
1 inch = 500 feet
Created: 12/13/2022

Data sources:
MassGIS, DCR, & EOEEA

-  Access Road
-  Landings
-  Skid Trails
-  Stream Crossing
-  Filter Strips
-  Stream/River: Perennial
-  Stream/River: Intermittent
-  Stream/River: Ephemeral
-  Swamp/Marsh: Shallow Marsh
-  Swamp/Marsh: Deciduous Forest
-  Harvest boundary
-  Clear cut with retention

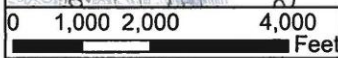
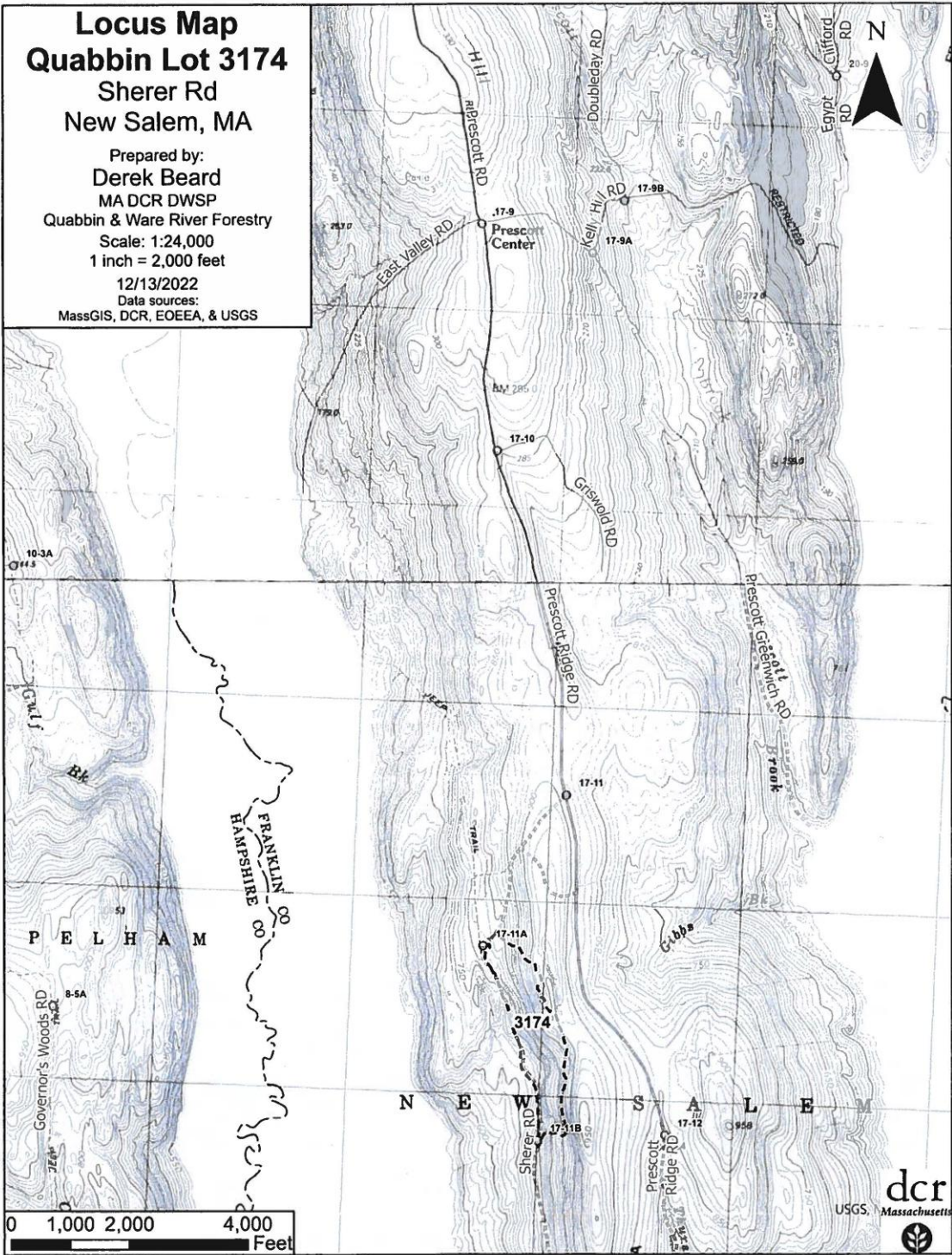
500
 Feet



Locus Map Quabbin Lot 3174

Sherer Rd
New Salem, MA

Prepared by:
Derek Beard
MA DCR DWSP
Quabbin & Ware River Forestry
Scale: 1:24,000
1 inch = 2,000 feet
12/13/2022
Data sources:
MassGIS, DCR, EOEEA, & USGS



dci



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

FILE # 204-36192-23

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 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
Quabbin 374 lot.

Approval Date 2/7/23

Director's Agent Andrew Rawcliffe

DCR Phone No. 617-549-1677

ISSUED BY:

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

Figure 2. Photo Point Pictures

Pre-Harvest, July 2024



Post Harvest, September 2024



June 2025 (one year of growth)

