

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

Project Title: Tamplin Road Oak

DWSP Harvest Permit Number: S13SQ

DWSP Proposal ID: PT-19-04 & 05-S

DCR Forest Cutting Plan File Number: 234-22545-20

Site Information

Watershed: Quabbin

Town(s): Petersham

Acres: 57

Nearest Road: Whitney and Tamplin Hill Roads, inside gate 40

Natural Heritage Atlas overlap: No

Public Drinking Water Supply Watershed: Yes

Forest Types: Oak hardwood & white pine hardwood

Area of Critical Environmental Concern (ACEC): No

Soil(s): Montauk-Scituate-Canton well to moderately well drained sandy loam

Wetland Resources: The lot borders a perennial and intermittent stream, and several ephemeral streams bisect it.

Vernal Pools: None

Harvest Information

Harvest Start Date: 2/07/2020

Harvest End Date: 7/13/2021

Number of Wetland Crossings: 1

Number of Stream Crossings: 1

Best Management Practices Applied

Stream Crossings: Intermittent stream NW of log landing crossed with a portable bridge.

Filter Strips: Three variable width filter strips used

Wetland Crossings: No wetland crossings.

Harvesting in Wetlands: No harvesting in wetlands.

DWSP Forester supervising this harvest

Name: Steven J Wood

Forester License number: 257

Phone number: (413) 323-6921

Email: steven.wood@state.ma.us

Narrative

General Description/Forest Composition/History

The area to be harvested is in the town of Petersham. The stone walls on this lot attest to its history of being cleared for agriculture, mostly for pasture. When the farmland was abandoned, probably in the late 19th or early 20th century, it reverted to forest.

The primary tree species present are mixed oaks (predominately red oak). Other hardwoods include black, yellow and paper birch, red maple, aspen, ash, and hickories. Some hemlock is present, mainly in the understory.

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. A forest in this condition is resilient to and can quickly recover from small- and large-scale disturbances such as diseases, insect infestations, ice storms and hurricanes.

This site was selected specifically to salvage trees which were killed by spongy moth defoliations which have occurred here yearly since 2016. To maximize value recovery, salvage harvests need to be done promptly. Once oak has been dead for 2 years almost all economic value is lost.

Silvicultural Objectives

The primary goals of this harvest are to salvage the dead and dying oak, establish new tree seedlings, and provide space for existing regeneration to expand and grow. The removal of dying weakened trees will reduce the chance of secondary pests and pathogens becoming established which would negatively impact the surrounding forest.

The harvest in 2004 was a thinning; most of the current regeneration, dominated by black birch, established at the time of the harvest. The stand is now approximately 100 years old and creating diverse regeneration is important. To achieve the desired species diversity larger openings will be made to encourage the establishment of shade intolerant species and oak, both of which are mostly non-existent in understory.

Wherever possible wildlife habitat features, such as snags (dead trees with evidence of recent wildlife use) and trees with cavities were retained and protected. Exceptional individuals of all species present were retained in the stand for seed and to enhance diversity.

Cultural Resources

Stone walls are numerous throughout this area. There are many existing breaks and barways in these walls which will be used to avoid and protect the walls during the upcoming harvest. Otherwise, this area has been determined not to be culturally or archeologically sensitive based on a review by the DCR Archaeologist.

Rare or Endangered Species

Although the easternmost portion of this lot is within a habitat polygon designated for protection by the Natural Heritage and Endangered Species Program (NHESP), activities proposed in the plan will not negatively impact listed species and no modifications to the plan were required.

The lot contains no other critical habitats or known rare or endangered species, and no vernal pools. The uplands are home to a variety of wildlife including deer, turkey, coyote and moose.

Figures

Figure 1. Final 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) *Final (3/21)*

For DCR Use Only:

File Number 234-22545-20 Case No. —
Date Rec'd 11-15-19 Nat. Hert. NO
Earliest Start 12-3-19 Pub. Dr. Wat. NO
River Basin Chicago ACEC NID
Gen. Obj. LT

Site Information

Location

Town Petersham (Quabbin Lot S13SQ)
Road Whitney Hill Rd.
Acres 57 Proposed Start Date TBD
Vol. MBF 220.5 Vol. Cds. 124 Vol. Tons 12

Plan Preparer

Name Richard MacLean & Steven Wood
Address 485 Ware Rd.
Town, State, Zip Belchertown, MA 01007
Phone (413) 213-7950
Type of Preparer Licensed Forester (Wood)
*Mass. Forester License # 257
*Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name DCR-DWSP Quabbin Ware River Region
Mailing Address 485 Ware Rd
Town, State, Zip Belchertown, MA 01007
Phone 413-213-7918
Ch61 61A 61B Stew *Case #
FSC CR CR Holder

Licensed Timber Harvester**

Name TBD Conkey Logging
Address 621 Daniel Street Hguy
Town, State, Zip Belchertown MA 01007
Phone 413-887-2931
Mass. Lic. Harvester # 2021-039
**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'			
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

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.
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud	Consult MA Forestry BMP Manual for further information.
LO Landowner	PO Piled	ST Stone		GR Gravel	
OT Other	OT Other	HB Hay Bales		OT Other	

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 columns: Species, MbF/Cds, MbF/Cds. Rows include White Pine, Red Pine, Pitch Pine, Hemlock, Spruce, Other Sitwd., White Ash, Beech, White Birch, B & Y Birch, 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 columns: Indicate location on map, Forest Type, Acres, Landowner Objective, Designation of Trees, Type of Cut, Source of Regeneration. Rows include ST-1, ST-2, ST-3, ST-4.

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.

[X] 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.

[Handwritten Signature]

Signature of landowner(s)

11-12-19

Date

Service Forester

Determination and Status

Form with checkboxes for Cutting Plan, Extension, Amendment and dates for Expires, Ser. For. Ints., 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.

[Handwritten Signature]

Signature of Service Forester/Director's Agent

3-24-21

Date

Codes

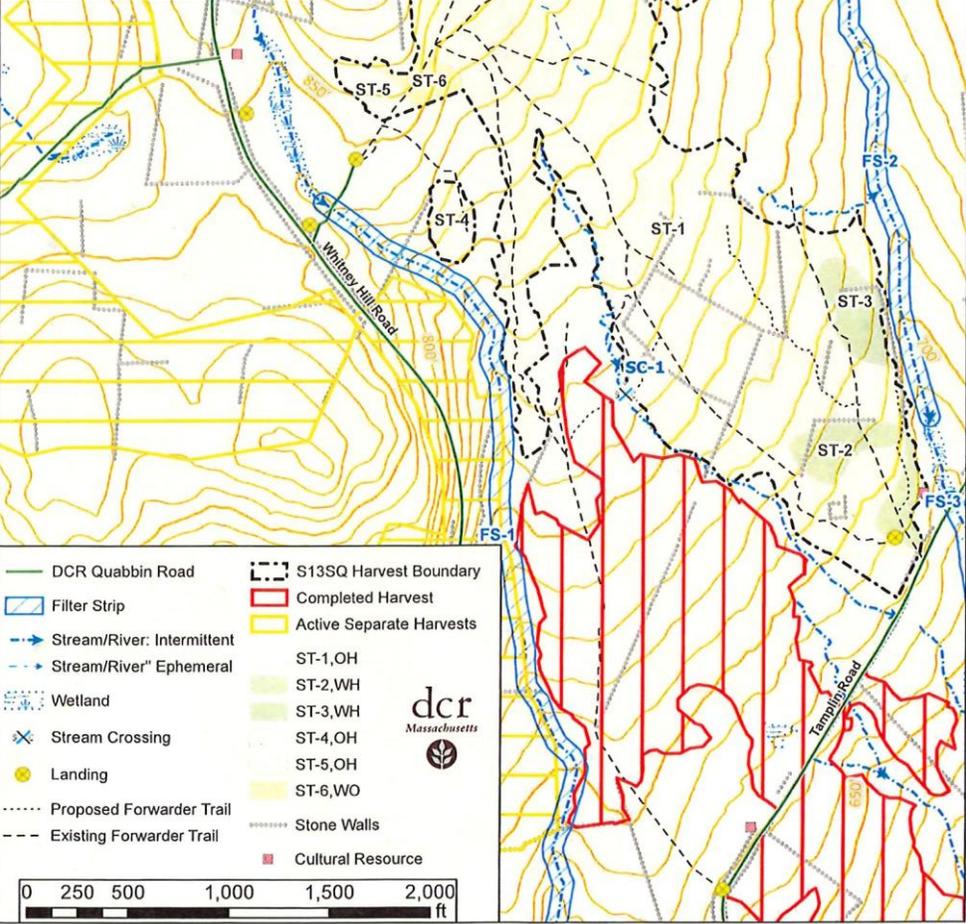
Table with columns: Forest Types, Designation of Trees, Type of Cut, Source of Regeneration. Rows include WP, WK, WH, WO, RP, SR, HK, HH, BC, BB, OI, OR, OM, RM, BE, SF, SM, PP, CT, LT, SB, OT, Landowner Objective, LT, ST, SH, ST, CC, SE, SA, SN, Intermediate Harvests, Non-Standard Systems, Highgrade, Diameter Limit, Other.

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page pg 4 of 5

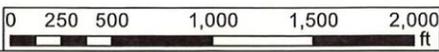
Stand Map
Quabbin Lot S13SQ
 Tamplin Rd.
 Petersham, MA

Prepared by:
 Richard G MacLean
 MA DCR DWSP

Scale: 1:7,200
 Created: 11/14/2019 8:00 AM
 Data sources:
 MassGIS, DCR, & EOEAA



- | | |
|----------------------------|--------------------------|
| DCR Quabbin Road | S13SQ Harvest Boundary |
| Filter Strip | Completed Harvest |
| Stream/River: Intermittent | Active Separate Harvests |
| Stream/River: Ephemeral | ST-1, OH |
| Wetland | ST-2, WH |
| Stream Crossing | ST-3, WH |
| Landing | ST-4, OH |
| Proposed Forwarder Trail | ST-5, OH |
| Existing Forwarder Trail | ST-6, WO |
| | Stone Walls |
| | Cultural Resource |



Stand Map Quabbin Lot S13SQ

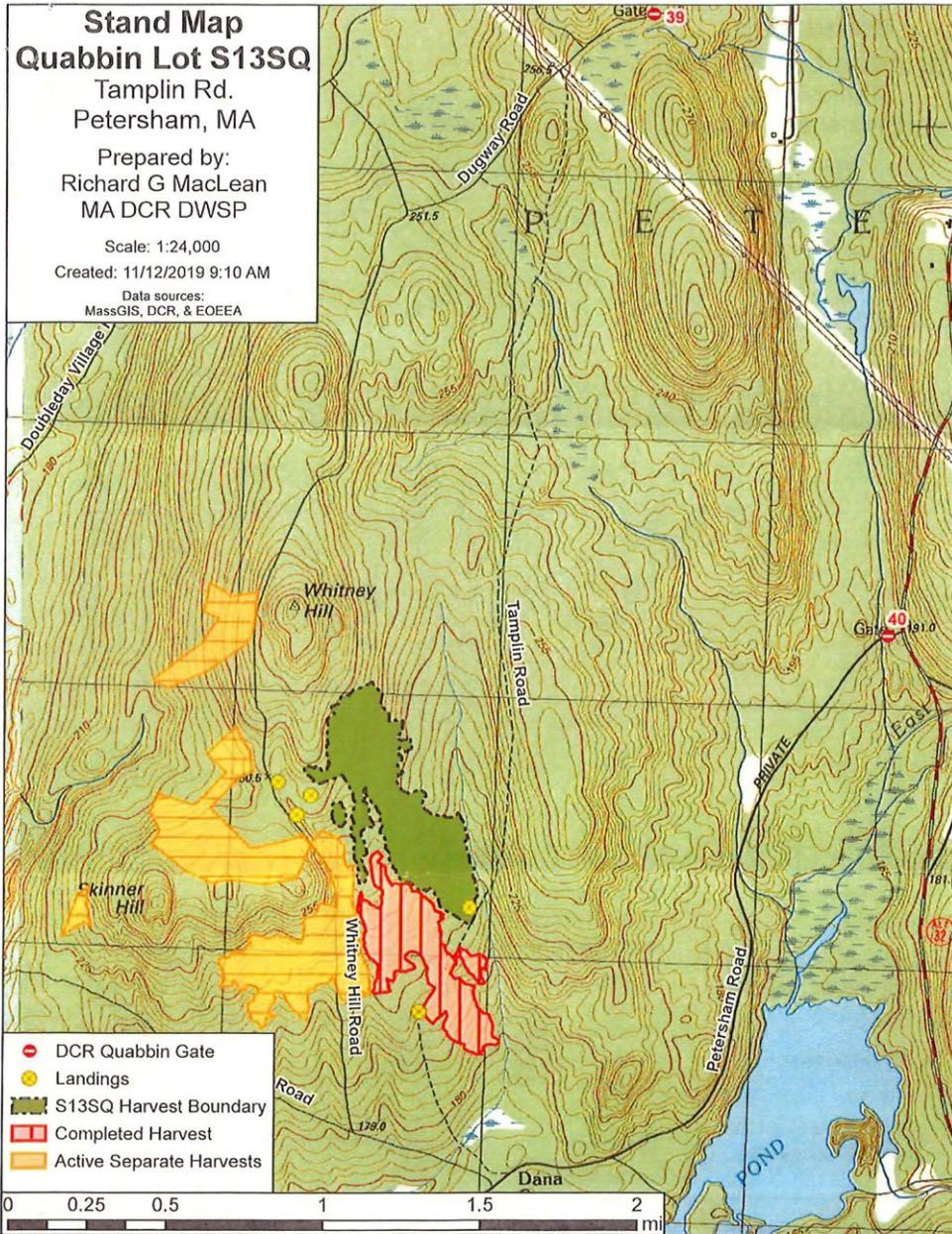
Tamplin Rd.
Petersham, MA

Prepared by:
Richard G MacLean
MA DCR DWSP

Scale: 1:24,000

Created: 11/12/2019 9:10 AM

Data sources:
MassGIS, DCR, & EOEEA





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

FILE # 234-22545-20

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
(Quabbin Ware River Reg)

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 lot S1350 lot, Whitney Hill Rd, Petersham

Approval Date 12/4/19
Director's Agent Andrew Rawcliffe
DCR Phone No. 617-549-1677

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