

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

Project Title: Soapstone Road Spongy Moth Salvage

DWSP Harvest Permit Number: S8NQ

DWSP Proposal ID: PT-19-12&13-S & PT-19-11

DCR Forest Cutting Plan File Number: 234-9496-19

Location Information

Watershed: Quabbin

Town(s): Petersham

Acres: 29.4

Nearest Road: Soapstone Road

Natural Heritage Atlas overlap?: No

Public Drinking Water Supply Watershed?: Yes

Area of Critical Environmental Concern (ACEC)?: No

Site Information

Forest Types: white pine-oak, red pine

Soils: Montauk-Scituate-Canton association, extremely stony, 3-15% slopes, and Montauk -
Canton association, extremely stony, 15-45% slopes

Wetland Resources: Intermittent streams are adjacent to but outside the harvest boundary to
the north and east, and there are two wooded wetlands outside the harvest boundary to the
south.

Vernal Pools: none

Harvest Information

Harvest Start Date: April 21, 2020

Harvest End Date: October 7, 2020

Number of Wetland Crossings: none

Number of Stream Crossings: none

Best Management Practices Applied

Stream Crossings: not applicable

Filter Strips: variable width filter strips on both streams

Wetland Crossings: not applicable

Harvesting in Wetlands: not applicable

DWSP Forester supervising this harvest

Name: Helen Johnson

Forester License number: 383

Phone number: (617) 733-2937

Email: Helen.Johnson@mass.gov

Narrative

General Description/Forest Composition/History

Lot S8NQ is located along Soapstone Road in Petersham, just south of Soapstone Hill. The primary forest type in the harvest area is white pine-oak, with an additional two acre stand of red pine. Forest health is poor, with a large proportion of the oak dead or badly weakened by the recent spongy moth infestation, and all of the red pine dead or dying from red pine scale.

Site Selection

This site was chosen because of its high concentration of mature oaks that died in the wake of the 2017-2019 spongy moth outbreak, as well as the presence of a dying stand of red pine, and because the area is easily accessible from Soapstone Road.

Oak, especially red oak, and red pine are some of the most economically valuable timber resources on DWSP lands. After trees die decay sets in quickly, wood boring insects begin to tunnel in, and wood value falls steeply. As part of its fiduciary responsibility to the Commonwealth of Massachusetts, DWSP conducts salvage harvests of a portion of the most valuable dead and dying trees before their value is lost forever. Locations are prioritized based on ease of access, with preference given to sites that need few or no stream or wetland crossings and are on gentle to moderate terrain, thus presenting minimal risk to the water supply. This harvest is consistent with those criteria.

Silvicultural Objectives

The primary silvicultural objective of this harvest is to salvage dead and dying oaks and red pines.

Cultural Resources

A cellar hole is located outside the harvest boundary to the north.

Rare or Endangered Species

None.

Forest Cutting Plan

Forest Cutting Plan page 1 of 7

Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

Amendment 1 (7/20)

03-23-18P12:18

For DCR Use Only:

File Number 234.9496-19 Case No. —
 Date Rec'd 8/23/18 Nat. Hert. N / N
 Earliest Start 9/10/18 Nat. Hert. Imp. NO
 River Basin Chicopee Pub. Dr. Wat. NO
 Gen. Obj. LT ACEC NO

Site Information

Location Extension 1 (7/20) Final (10/20) **Landowner**

Town Petersham **Lot S8NQ**
 Road Access: South Athol Rd. New Salem (Quabbin Gate 35)
OR Munson Turnpike, Petersham (Quabbin Gate 37)
 Acres 29.4 Proposed Start Date _____
 Vol. MBF 16.6 Vol. Cds. 25 Vol. Tons 0

Name DCR-DWSP Quabbin Forestry
 Mailing Address 485 Ware Road
Helen.Johnson@mass.gov / Richard.MacLean@mass.gov
 Town, State, Zip Belchertown, MA 01007
 Phone 617-733-2937 (HJ) / 413-213-7950 (RM)
 Ch61 61A 61B Stew *Case # _____
 CR CR Holder _____

Plan Preparer

Name Helen Johnson / Rich MacLean
 Address DCR-DWSP Quabbin Forestry
485 Ware Road
 Town, State, Zip Belchertown, MA 01007
 Phone 617-733-2937 (HJ) / (413) 213-7950 (RM)
 Type of Preparer LF (HJ) / OT (RM)
 *Mass. Forester License # 383 (HJ)
 *Required for land under Ch61, Ch61A or Forest Stewardship

Licensed Timber Harvester**

Name Gerry Goumand - NE Forestry Products
 Address 81 Sibley Rd
 Town, State, Zip New Britain, MA 06521
 Phone _____
 Mass. Lic. Harvester # 2019-5610
 **This information may be supplied after the plan is approved, but before work begins Ron Desrosier - 2019-1389

Best Management Practices

Stream Crossings No 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				

Harvesting in Wetlands None

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%?)				

Wetland Crossings No Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

Service Forester Comments

**Amendment 1 - Add Landings used on Rte 122, concurrently under FCP file # 204-9309-18 - AR See attached map for location - AR*

Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	VA	VA		

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.

Forest Products

Products to be Harvested*

Species	Mbf/Cds		Mbf/Cds
White Pine		Red Maple	
Red Pine	8.6	Sugar Maple	
Pitch Pine		Red Oak	5
Hemlock		Black Oak	2
Spruce		White Oak	1
Other Sftwd.		Other Hdwd.	
White Ash		Total Mbf	16.6
Beech		Cordwood (Cds)	25
White Birch		SW Pulp (Tons)	
B & Y Birch		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	WO	RP		
Acres	27.3	2.1		
Landowner Objective	LT	LT		
Designation of Trees	CT	CT		
Type of Cut	SA	SA		
Source of Regeneration	AD/SE	AD/SE		

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 of landowner(s)

8-20-18
Date

Service Forester

Determination and Status

Approved Disapproved Expires 8/23/20

Cutting Plan SSL 9.6.18

Signature of Service Forester/Director's Agent SSL Date 9.6.18

Extension 1 2 Expires 8-23-21 AR

Amendment App 1 Dis 1 App 2 Dis 2 SHZ

6-22-20

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 10-7-20
Date

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP/Hdwd	SB Stand Boundary	CC Clear Cut	PL Plant
WO WP/Oak	OT Other	SE Selection	CO Coppice
RP Red Pine	<u>Landowner Objective</u>	SA Salvage	DS Direct Seed
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	DL Diameter Limit*
	ST Short-term Har.	OT Other*	OT Other

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

Forest Cutting Plan

Narrative Page (Effective Date: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner DCR-DWSP Quabbin

Town Petersham

File Number 234.9496.19

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 primary focus of this salvage lot is oak that dead or dying due to gypsy moth, scale infested red pine, and hazard trees along the road.

BLUE PAINT: dot = cordwood / pulp; horizontal line = sawlog; vertical/diagonal line = TSI; "X" = cull; three vertical dots = edge of harvest.

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.

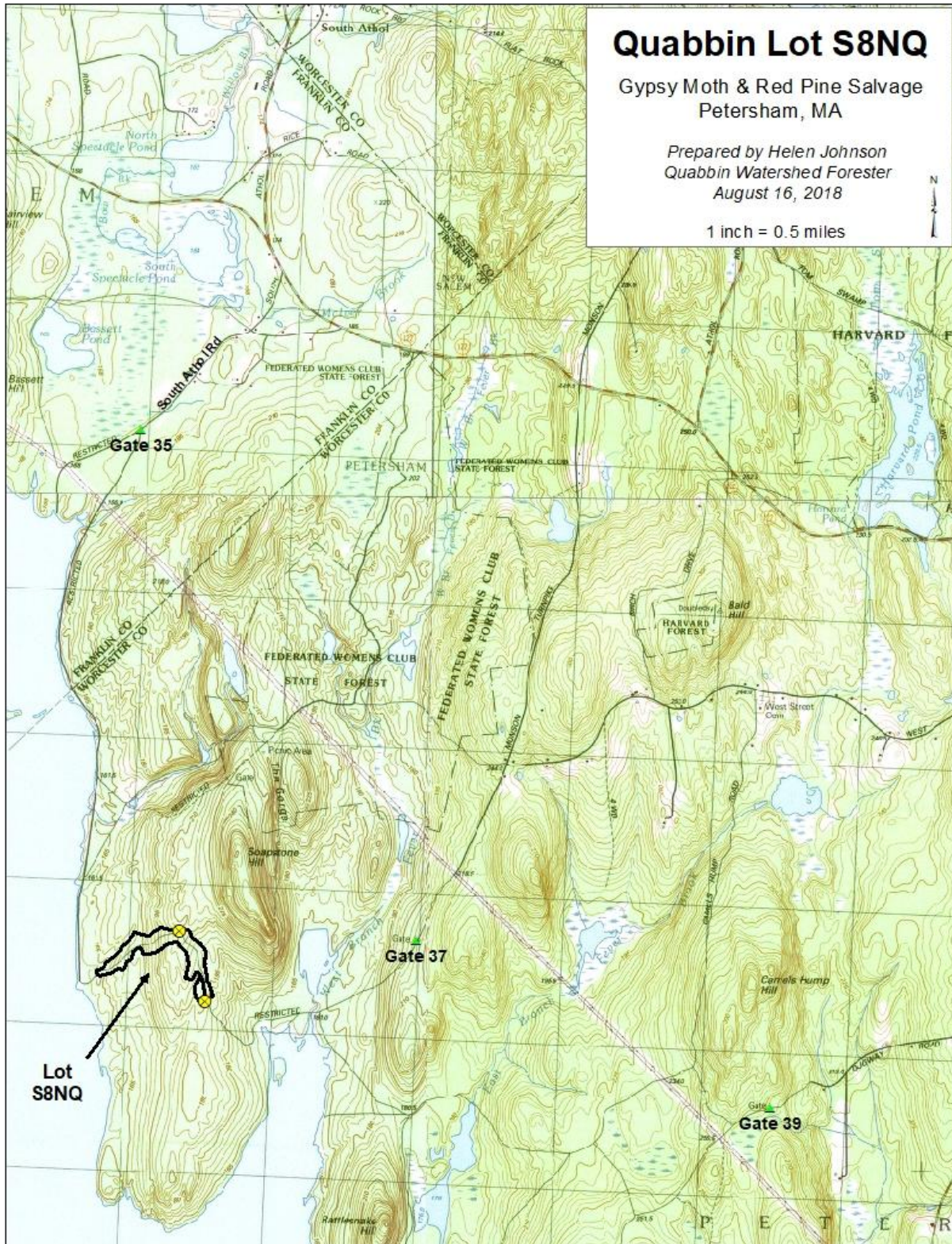
Stand No.	Describe Trees to be Cut			Describe Trees to be Left			% BA/AC	
	Species	Size	Quality	Species	Size	Quality	Cut	Left

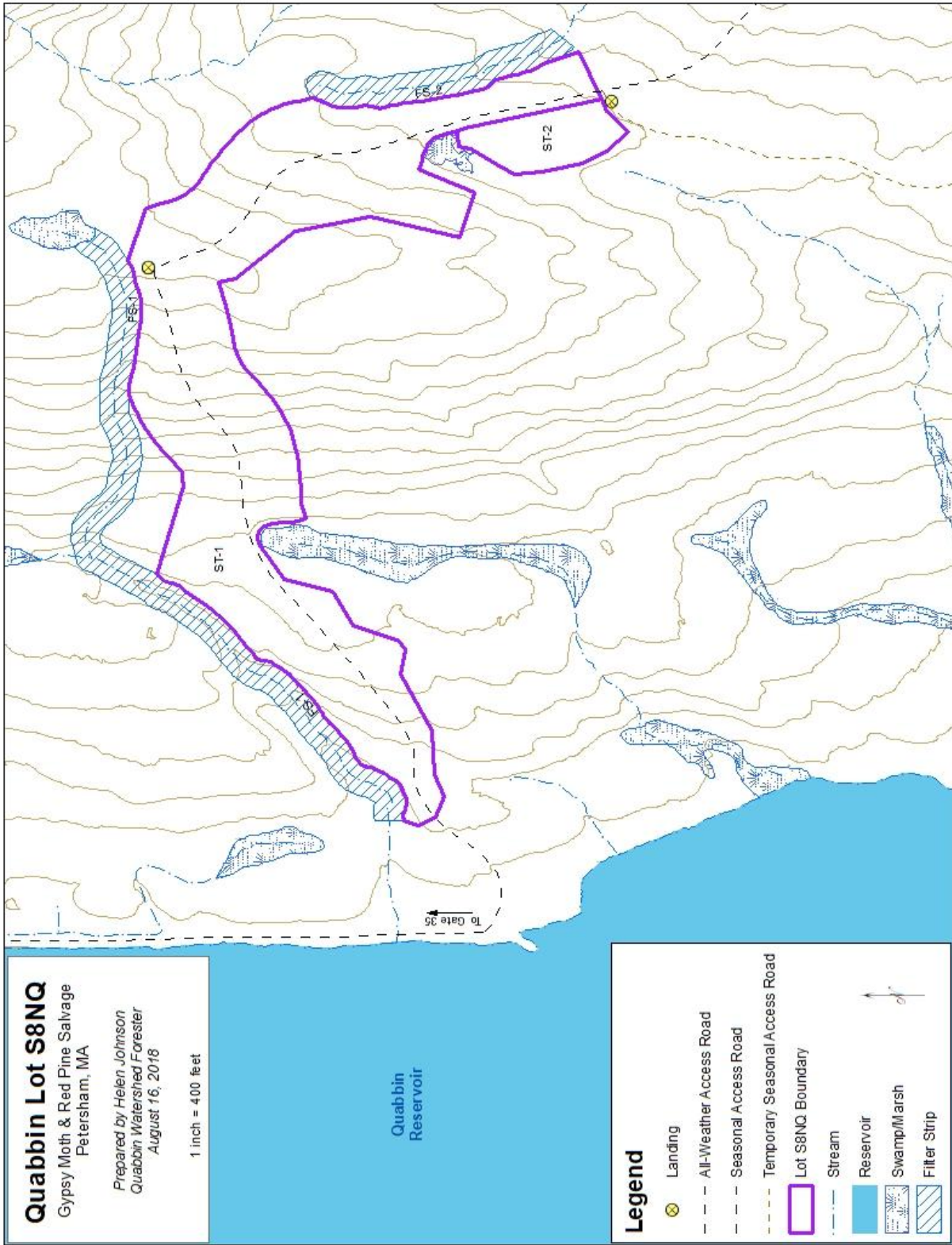
Regeneration & Future Condition

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





dcr



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

FILE # 234.9496.19

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 Quinbin 485 Ware Rd Belcher town, MA 01007 in accordance with the
(Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in Amherst F.D. with the Dept. of Conservation
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

S8N0 lot, Petersham, MA
(Quinbin Galt 35/37)

Approval Date 9/6/18
Director's Agent Andrew Rawcliffe

DCR Phone No. 617.548.1677

ISSUED BY:

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