

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

Site Information

Watershed: Quabbin	Town(s): Petersham
Acres: 29.4	Nearest Road: Soapstone Road
Natural Heritage Atlas overlap?: No	Public Drinking Water Supply Watershed?: Yes
Forest Types: white pine-oak, red pine	ACEC?: No
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: 4/21/2020	Harvest End Date: 7/6/2021
Number of Wetland Crossings: none	Number of Stream Crossings: none

Best Management Practices Applied

Stream Crossings	n/a
Filter Strips	variable width filter strips on both streams
Wetland Crossings	none
Harvesting in Wetlands	none

DWSP Foresters supervising this harvest

Name	Helen Johnson
Forester License #	383
Phone #	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.

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: 1/1/04)

Amendment 1 (7/20)

For DCR Use Only:

File Number	<i>234-9496-19</i>	Case No.	<i>—</i>
Date Rec'd	<i>8/23/18</i>	Nat. Hert.	<i>N / N</i>
Earliest Start	<i>9/10/18</i>	Nat. Hert. Imp.	<i>NO</i>
River Basin	<i>Chicopee</i>	Pub. Dr. Wat.	<i>NO</i>
Gen. Obj.	<i>LT</i>	ACEC	<i>NO</i>

Site Information

Location *Extension 1 (7/20)*

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

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

Landowner

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 _____

Licensed Timber Harvester**

Name Garry Gaudin - NE Forestry Products
Address 81 Sibley Rd
Town, State, Zip New Braintree, MA 01531
Phone _____
Mass. Lic. Harvester # 2019-5640
**This information may be supplied after the plan is approved, but before work begins Ron Derasier - 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				

Wetland Crossings No 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		

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%)				

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

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

pg 3 of 5

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 Hdw.	
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.

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 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.

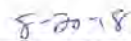
I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.

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)



Date

Determination and Status

Approved ☒ Disapproved ☐ Expires 8/23/20
 Cutting Plan ☒ SSC 9-6-18
 Signature of Service Forester/Director's Agent Date

Extension ☒ 2 8/23/20 Expires For. Ints.
 Amendment ☒ App 1 ☐ Dis 1 ☐ App 2 ☐ Dis 2 SH/AL
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

Date

Forest Types			Designation of Trees		Type of Cut	Source of Regeneration							
WP	White Pine	HK	Hemlock	OM	Mixed Oak	CT	Cut Tree	SH	Shelterwood	Intermediate Harvests:	AD	Advanced	
WK	WP/Hem	HH	Hem/Hdw	RM	Red Maple	LT	Leave Tree	ST	Seed Tree		CT	Commercial Thin	SE
WH	WP/Hdw	BC	Black Cherry	BE	Beech	SB	Stand Boundary	CC	Clear Cut	NT	Non Com Thin	PL	Plant
WO	WP/Oak	BB	Bee/Bir/Map	SF	Spruce/Fir	OT	Other	SE	Selection	Non-Standard Systems:		CO	Coppice
RP	Red Pine	OH	Oak/Hdw	SM	Sugar Maple	Landowner Objective		SA	Salvage	HG	Highgrade*	DS	Direct Seed
SR	Red Spruce	OR	N Red Oak	PP	Pitch Pine	LT	Long-term Mgt	SN	Sanitation	DL	Diameter Limit*	OT	Other
						ST	Short-term Har			OT	Other*		

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

pg 4 of 5

**Amendment 1: Original see Upload - * AR*

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.

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 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) [Signature] Date 8-20-18
6-11-2020

Determination and Status

Approved ☒ Disapproved ☐ Expires 8/23/20

Cutting Plan [Signature] SSC 9-6-18
 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 ☐ AL
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 _____ Date _____

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

*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: 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
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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
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Quabbin Lot S8NQ

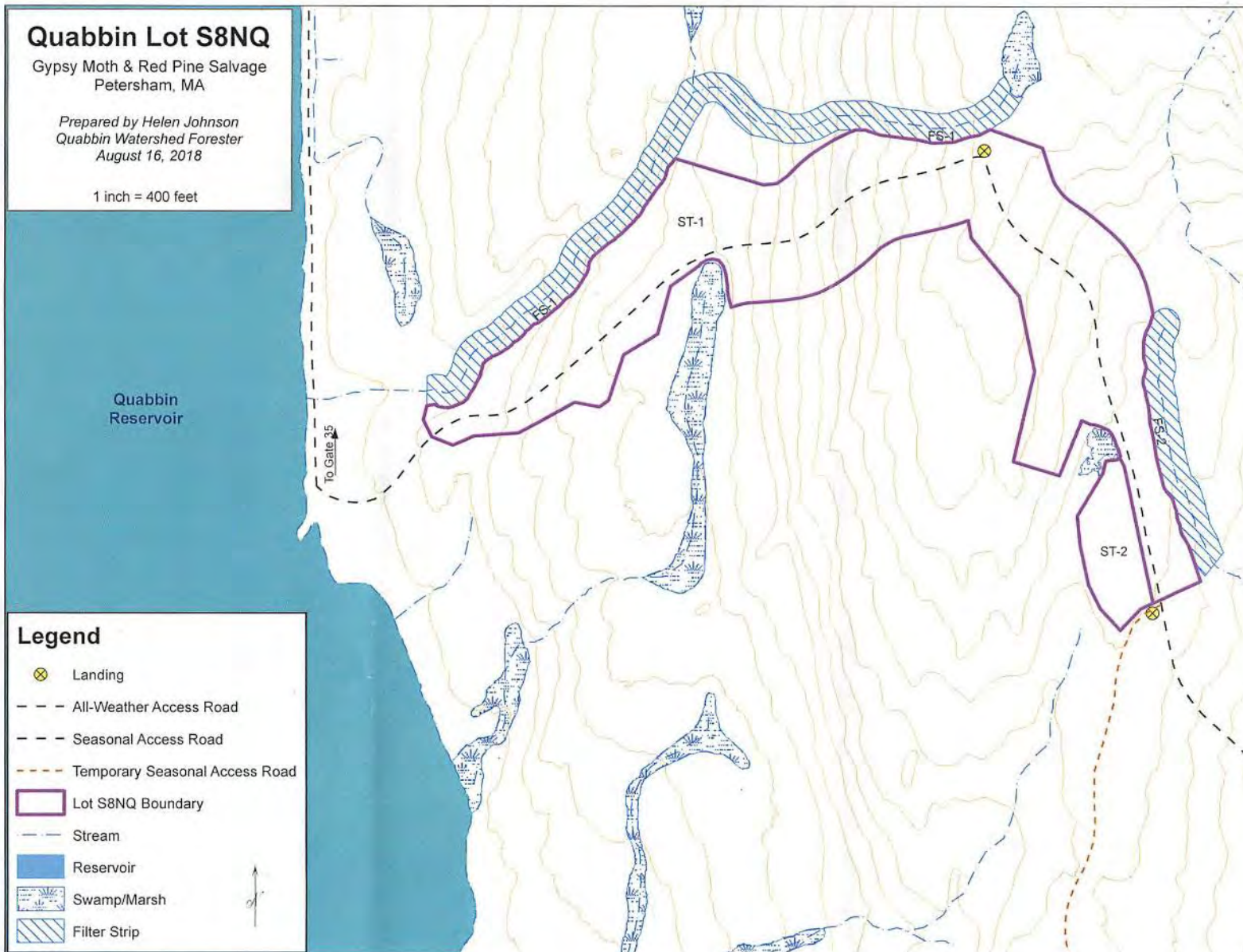
Gypsy Moth & Red Pine Salvage
Petersham, MA

*Prepared by Helen Johnson
Quabbin Watershed Forester
August 16, 2018*

1 inch = 400 feet

Legend

-  Landing
-  All-Weather Access Road
-  Seasonal Access Road
-  Temporary Seasonal Access Road
-  Lot S8NQ Boundary
-  Stream
-  Reservoir
-  Swamp/Marsh
-  Filter Strip

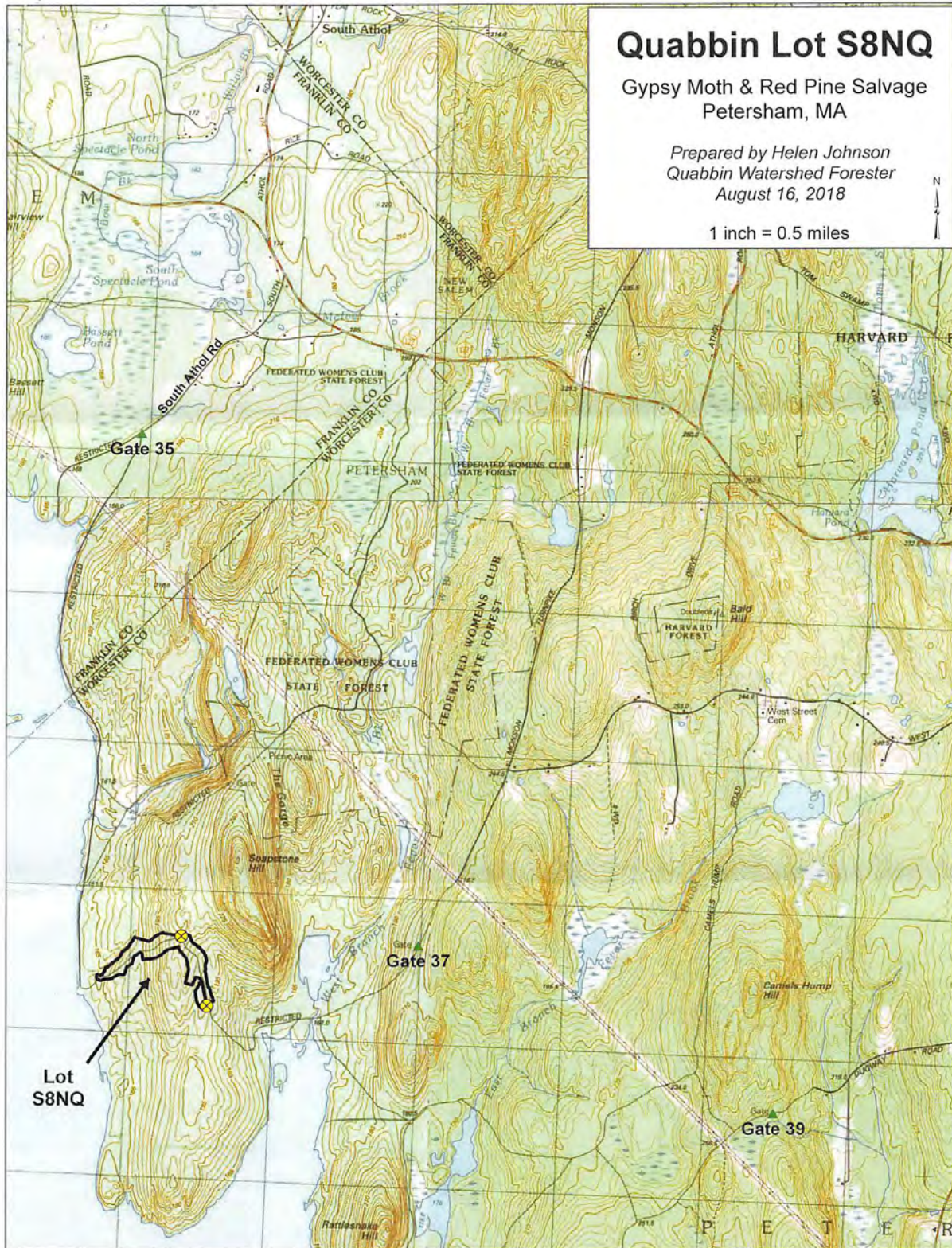


Quabbin Lot S8NQ

Gypsy Moth & Red Pine Salvage
Petersham, MA

Prepared by Helen Johnson
Quabbin Watershed Forester
August 16, 2018

1 inch = 0.5 miles



1:25,000



dc



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 Quabbin 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

S8NQ lot Petersham, MA
(Quabbin Gate 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