

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

**Project Title:** Gussie Hurwitz Lot  
DWSP Harvest Permit Number: 3145A  
DWSP Proposal ID: PR-16 - 05  
DCR Forest Cutting Plan File Number: 204-8298 -17

***Site Information***

Watershed: Quabbin  
Town(s): New Salem  
Acres: 40  
Nearest Road: Route 202, Cooleyville Rd. (Gate 17)  
Natural Heritage Atlas overlap?: Yes  
Public Drinking Water Supply Watershed?: Yes  
Forest Types: Mixed Oak  
Area of Critical Environmental Concern (ACEC)?: No  
Soils: Canton – Chatfield – Hollis, Chatfield - Hollis  
Wetland Resources: No  
Vernal Pools: No

***Harvest Information***

Harvest Start Date: May 19, 2017  
Harvest End Date: June 22, 2017  
Number of Wetland Crossings: 0  
Number of Stream Crossings: 0

***Best Management Practices Applied***

Stream Crossings: Not Applicable  
Filter Strips: two variable width filter strips  
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***

This watershed forest management project covers 40 acres located on the southern end of the Prescott peninsula, just west of the intersection for north and south Sherer Road (17-11A).

A mixture of oak (red, black, white, scarlet and chestnut) is the main forest cover. Red oak is more abundant in the mesic sites found in the northern 1/3 of the area. Classic mixed oak cover the central and south portions of the area. Oak, white pine and red maple regeneration make up much of the drier site understory. Shrub layer consist of huckleberry on the dry sites and fern in mesic areas.

The rocky terrain coupled with distance from the road precluded the area from being used for tillage. Prior to the industrial revolution it was likely used as a rough pasture or woodlot. It was classified as young forest (sprout land) on the reservoir real estate taking sheet. Post-taking, very little forest management has occurred; just a light thinning in the very north end in 1965

### ***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***

Diversification of forest structure is the primary project objective. This will be accomplished by making a series of forest canopy openings randomly spaced through the area. Specifically, there are 9 openings covering 4.6 of the 40 acres with an average opening size of 0.5 acres. Openings greater than 0.5 acres have some retained canopy trees that will contribute to the long-term forest complexity of the area.

### ***Cultural Resources***

Atypical of Quabbin, the area is fairly devoid of cultural resources, just a few stone walls.

### ***Rare or Endangered Species***

Given that the area extends to the reservoir edge, the project likely overlaps with Bald Eagle and Loon habitat. Within the harvest, wildlife habitat such as live/dead snags, cavity/den/nest trees and down coarse woody debris will be maintained.

## Figures

- Figure 1. Forest Cutting Plan
- Figure 2. Photo Point Pictures

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)

07-28-16P03:52-RCVD

## For DCR Use Only:

File Number 204-8298-17 Case No. \_\_\_\_\_  
 Date Rec'd 7/28/16 Nat. Hert. yes  
 Earliest Start 8/12/16 Nat. Hert. Imp. no  
 River Basin Chicopee Pub. Dr. Wat. Quabbin  
 Gen. Obj. LT ACEC no

**FINAL 6/17**

Site Information

### Location Timber Lot 3145

Town New Salem  
 Road Sherer Rd. (Gate 17)  
 Acres 40 Proposed Start Date \_\_\_\_\_  
 Vol. MBF 30.7 Vol. Cds. 140 Vol. Tons \_\_\_\_\_

### Plan Preparer

Name Derek Beard  
 Address DCR - Div. of Water Supply Protection  
21 Elm St.  
 Town, State, Zip New Salem, MA 01355  
 Phone 978-544-6343  
 Type of Preparer LF

\*Mass. Forester License # 14  
 \*Required for land under Ch61, Ch61A or Forest Stewardship

### Landowner

Name DCR - Division of Water Supply Protection - Quabbin  
 Mailing Address 485 Ware Rd.  
 Town, State, Zip Belchertown, MA 01007  
 Phone 412-323-6921  
 Ch61  61A  61B  Stew  \*Case # \_\_\_\_\_  
 CR  CR Holder \_\_\_\_\_

### Licensed Timber Harvester\*\*

Name Tim Robinson  
 Address P.O. Box 58  
 Town, State, Zip Barre, MA 01005  
 Phone 508-361-1071  
 Mass. Lic. Harvester # 719

\*\*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				
Existing Structure				
Type of Bottom				
Bank Height (ft)				
Stabilization				

### 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		

### 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
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 no 3 of 5



Forest Products

**Products to be Harvested\* Timber Lot 3145**

Species	Mbf/Cds		Mbf/Cds
White Pine	1.1	Red Maple	1.1
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	12
Hemlock		Black Oak	4
Spruce		White Oak	1.4
Other Sftwd.		Other Hdw.	7
White Ash	1.6	<b>Total Mbf</b>	30.7
Beech		<b>Cordwood (Cds)</b>	140
White Birch		<b>SW Pulp (Tons)</b>	
B & Y Birch	2.5	<b>HW Pulp (Tons)</b>	
Black Cherry		<b>Chips (Tons)</b>	

\*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	OM			
Acres	40			
Landowner Objective	LT			
Designation of Trees	CT			
Type of Cut	SE			
Source of Regeneration	SE/AD			

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)

Date

Service Forester

**Determination and Status** 204-8298-17

Approved  Disapproved  Expires 7/28/18  
 Cutting Plan [Signature] 8/29/16  
 Signature of Service Forester/Director's Agent Date

**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 [Signature] Date 6/13/17

Codes

<b>Forest Types</b>	WP White Pine	WK WP/Hem	WH WP/Hdwd	WO WP/Oak	RP Red Pine	SR Red Spruce	HK Hemlock	HH Hem/Hdwd	BC Bick Cherry	BB Bee/Bitr/Map	OH Oak/Hdwd	OR N Red Oak	OM Mixed Oak	RM Red Maple	BE Beech	SF Spruce/Fir	SM Sugar Maple	PP Pitch Pine	<b>Designation of Trees</b>	CT Cut Tree	LT Leave Tree	SB Stand Boundary	OT Other	<b>Landowner Objective</b>	LT Long-term Mgt.	ST Short-term Har.	<b>Type of Cut</b>	SH Shelterwood	ST Seed Tree	CC Clear Cut	SE Selection	SA Salvage	SN Sanitation	<b>Intermediate Harvests:</b>	CT Commercial Thin	NT Non Com Thin	<b>Non-Standard Systems:</b>	HG Highgrade*	DL Diameter Limit*	OT Other*	<b>Source of Regeneration</b>	AD Advanced	SE Natural Seed	PL Plant	CO Coppice	DS Direct Seed	OT Other
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\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page no. 1 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.  
Timber Lot 3145

Landowner DCR-DWSP-Quab

Town New Salem

File Number 204-8298-17

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 harvest is an aggregation of 9 canopy openings (patches) spread across 40 acres. Opening size ranges from 0.25 to 1.0 acre with an average of 0.5 of an acre. The openings cover a total of 4.6 acres. Openings greater than 0.5 acres have a minimum of 5 square feet of residual basal area also known as green tree retention. Trees to be harvested in openings are marked with blue paint. Trees within main skid roads are marked with orange paint. The southwest most opening is 0.4 acres and situated on a bench (flat) no closer than 75 ft. to the reservoir.

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.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed

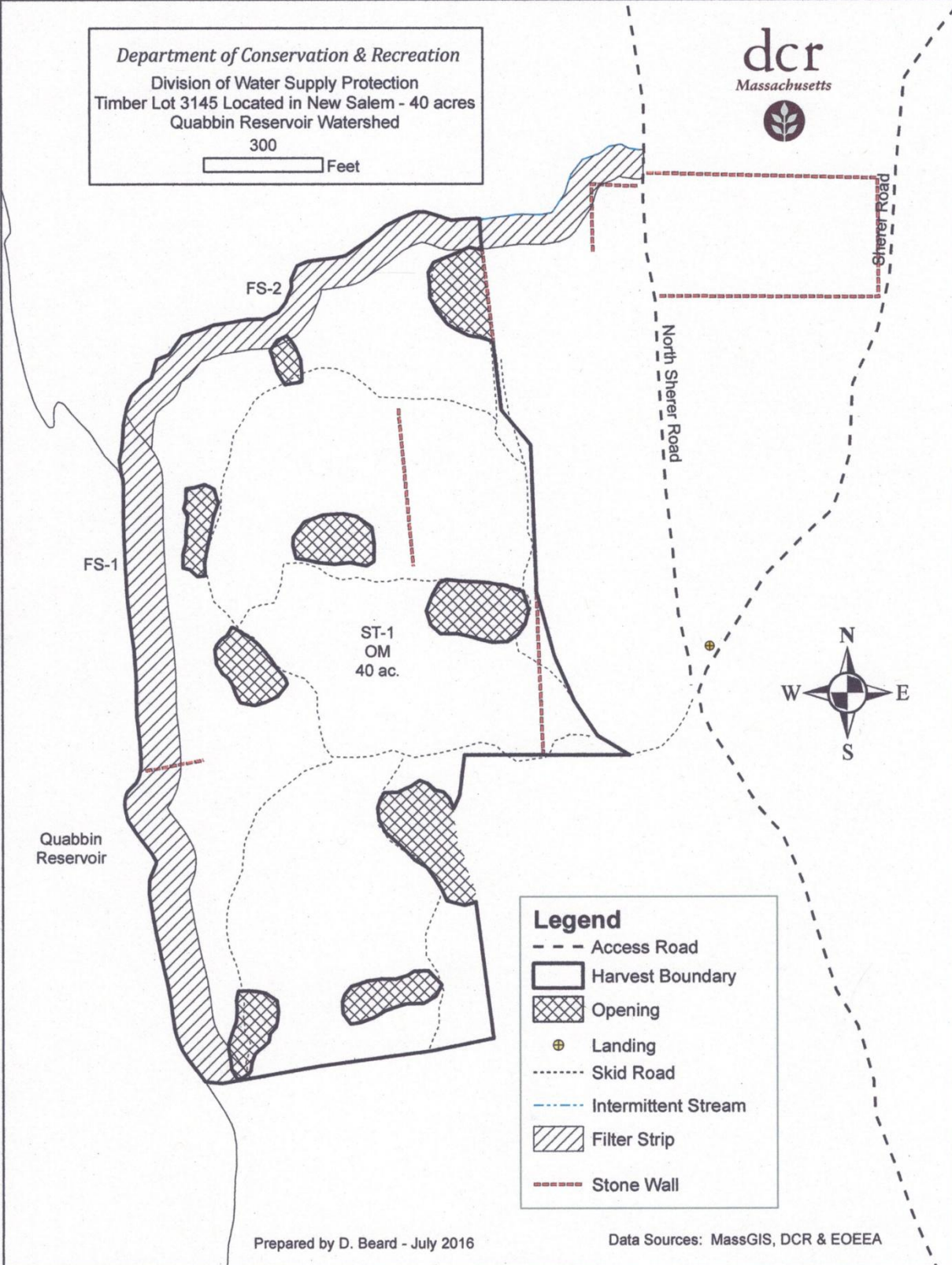
Regeneration & Future Condition

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 & understorey

Department of Conservation & Recreation  
 Division of Water Supply Protection  
 Timber Lot 3145 Located in New Salem - 40 acres  
 Quabbin Reservoir Watershed  
 300  
 Feet



**Legend**

- - - Access Road
- Harvest Boundary
- ▣ Opening
- ⊕ Landing
- ⋯ Skid Road
- · - · Intermittent Stream
- ▨ Filter Strip
- · - · Stone Wall

Prepared by D. Beard - July 2016

Data Sources: MassGIS, DCR & EOEEA





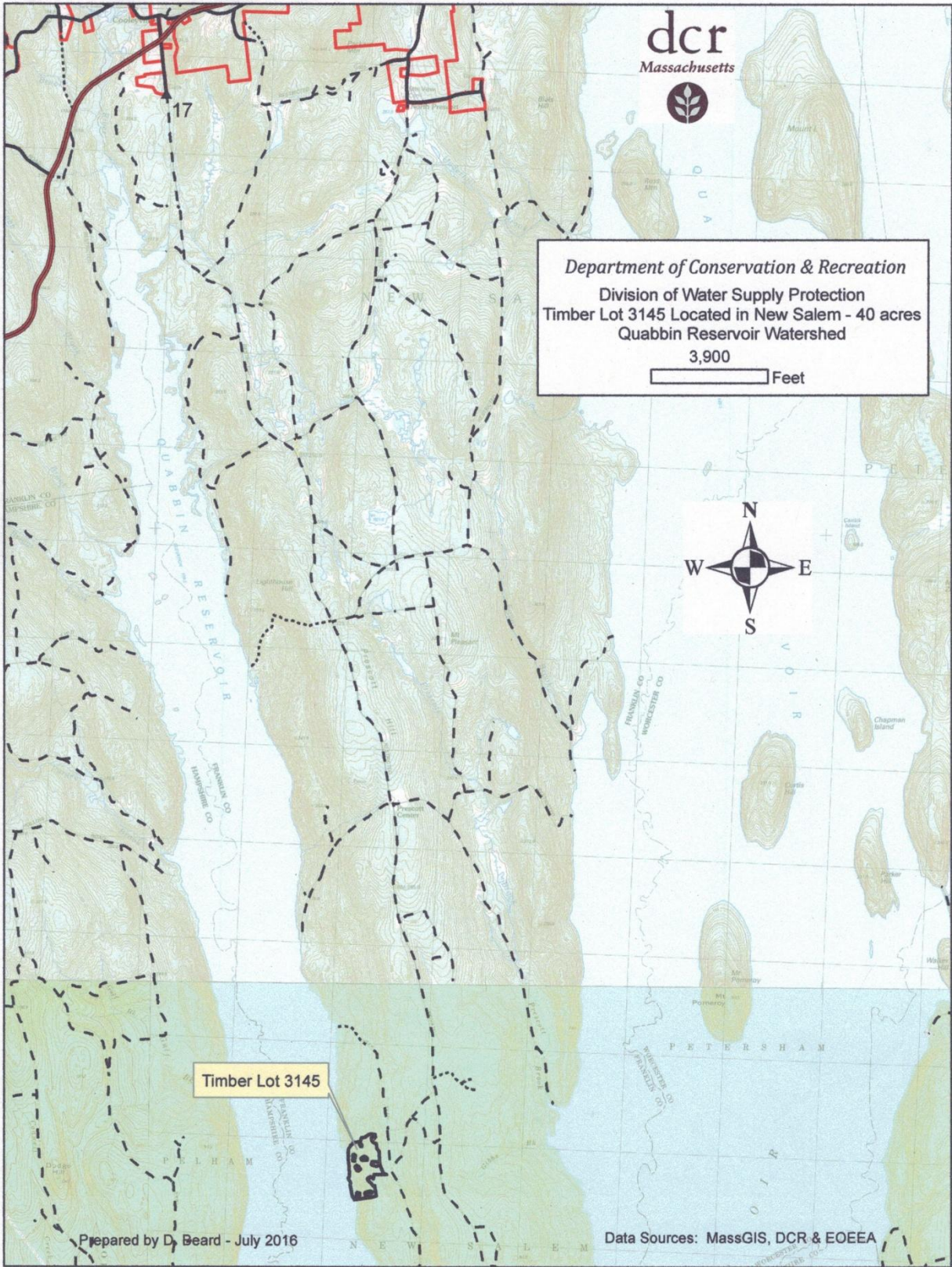
Department of Conservation & Recreation  
Division of Water Supply Protection  
Timber Lot 3145 Located in New Salem - 40 acres  
Quabbin Reservoir Watershed  
3,900  
Feet



Timber Lot 3145

Prepared by D. Beard - July 2016

Data Sources: MassGIS, DCR & EOEEA







# Division of Fisheries & Wildlife

Jack Buckley, *Director*

Fletcher Clark - Department of Conservation and Recreation  
40 Cold Storage Drive  
P.O. Box 484  
Amherst, MA 01004

Cutting Plan No. 204-8298-17  
NHESP Tracking No. 16-35910  
Town New Salem  
Road Sherer Road (Gate 17)  
Landowner DCR - DWSP  
Preparer Derek Beard  
Date August 26, 2016

Dear Fletcher,

The Natural Heritage and Endangered Species Program ("the NHESP") of the Massachusetts Division of Fisheries and Wildlife ("the Division") has reviewed the above-referenced Forest Cutting Plan (hereinafter "the Plan") pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)). Based on details of the Plan and information in the NHESP database, the Division does not expect activities proposed in the Plan to negatively impact Estimated Habitat or result in "Take" (as defined in 321 CMR 10.02) of plant or animal species protected under the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00). Therefore, the Division does not require that the Plan be modified at this time.

Please copy the Division on any proposed amendment, extension and on the approved Plan for the site. If you have any questions about this letter, please contact Brent Powers at (508) 389-6354.

Sincerely,

Thomas W. French, Ph.D.  
Assistant Director

Cc: New Salem Conservation Commission (via e-mail)





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

FILE # 204-8298-17

## 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 Water Supply Protection, Belshertown in accordance with the  
(Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in Amherst with the Dept. of Conservation  
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the  
3145 lot.

Approval Date 8-29-2016

Director's Agent FLEETHER CLARK

DCR Phone No. 413-262-2367

ISSUED BY:

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



**Figure 2. Photo Point Pictures**

Pre-Harvest, July 2016



Post Harvest, May 2017





July 2024 (7 years of growth)

