

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

Project Title:

DWSP Harvest Permit Number: S7NQ
DCR Forest Cutting Plan File Number: 204-9487-19 and 204-9690-19

Site Information

Watershed: Quabbin	Town(s): New Salem
Acres: 173	Nearest Road: Cooleyville, Gate 17
Natural Heritage Atlas overlap?: Yes	Public Drinking Water Supply Watershed?: Yes
Forest Types: Red Oak	ACEC?: No
Soils: Gneiss derived rock sandy loam	
Wetland Resources: Yes	
Vernal Pools present or within 200 feet of harvest?: No	

Harvest Information

Harvest Start Date: Sept., 11, 2018	Harvest End Date: Dec. 4, 2020
Number of Wetland Crossings: 1	Number of Stream Crossings: 10

Best Management Practices Applied

Stream Crossings	Temporary bridging and corduroyed approaches
Filter Strips	No more than 50% of basal area removed; to maintain shaded condition
Wetland Crossings	Crossed at highest location. Corduroy/Matting if needed
Harvesting in Wetlands	None

DWSP Forester supervising this harvest
Name: Derek Beard
Forester License # 14
Phone #: 617-780-0631
Email: derek.beard@state.ma.us

ACEC: Area of Critical Environmental Concern

NARRATIVE

General Description/Forest Composition/History:

This watershed forest management project is approximately 6 miles south/southwest from gate 17 (Cooleyville Rd). The landing is situated on Clifford Rd, which is accessed via Egypt Brook Rd. Specifically, the area sits north of Clifford Rd. on the east lower and middle slopes of an unnamed hill. It is bounded to the south by an intermittent brook, east by the reservoir, north by an intermittent brook and steep slope and west by steep/rocky slope.

The project is home to dense high canopy sawtimber red oak. The main associates are black birch, white ash, hickory and sugar maple. Due to the heavily shaded condition young forest is sparse. The most common are black birch, ash and sugar maple. Hay scented fern dominates the ground layer.

The project area was dedicated to small scale farming, mainly livestock grazing (rocky soils), prior to state ownership.

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. In order 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 ideally 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 for layer merits some regeneration harvesting.

Silvicultural Objectives:

The main goal of the project is to salvage oak that has died from three consecutive years of intense gypsy moth caterpillar defoliation. Mainly due to its distance from an existing road, there has been no forest management since state ownership. Specifically the project follows the pattern of oak mortality; such that there will be uncut pockets where forest composition changes to more black birch/northern hardwoods. Furthermore, in areas of heavy mortality, trees were retained because they did not succumb to defoliation and/or they had high wildlife value. In salvaging this valued resource the stage will be set for a new forest to develop; with the hope it will be diverse/resilient enough to ward off the myriad issues affecting our forests today and into the future.

Cultural Resources:

Stone walls are the most prominent cultural resource in the project area.

Wildlife/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 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

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	204-9487-19	Case No.	—
Date Rec'd	9-7-18	Nat. Hert.	Y
Earliest Start	9-21-18	Pub. Dr. Wat.	N
River Basin	Chicopee	ACBC	N
Gen. Obj.	LT		

Site Information

Location Amendment #1 (11/18)

Town	<u>New Salem</u>
Road	<u>Clifford Rd.</u>
Acres	<u>173</u>
Proposed Start Date	
Vol. MBF	<u>707.2</u>
Vol. Cds.	<u>965</u>
Vol. Tons	

Plan Preparer

Name	<u>Derek Beard</u>
Address	<u>DCR - DWSP - Quabbin Section</u>
	<u>485 Ware Rd.</u>
Town, State, Zip	<u>Belchertown, MA 01007</u>
Phone	<u>(617) 780-0631</u>
Type of Preparer	<u>LF</u>
*Mass. Forester License #	<u>14</u>
*Required for land under Ch61, Ch61A or Forest Stewardship	

Best Management Practices

Landowner

Name	<u>DCR - DWSP - Quabbin Section</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	

Licensed Timber Harvester**

Name	<u>John H. Conkey & Sons Logging</u>
Address	<u>621 Daniel Shays Highway</u>
Town, State, Zip	<u>Belchertown, MA 01007</u>
Phone	<u>(413) 323-7120</u>
Mass. Lic. Harvester #	<u>2019-039</u>
**This information may be supplied after the plan is approved, but before work begins.	

Codes

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	BR	BR	BR	BR
Existing Structure	NO	NO	NO	NO
Type of Bottom	ST	ST	ST/MU	ST
Bank Height (ft)	1-2'	2-3'	<1'	<1'
Stabilization	CO	CO	CO	CO

Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing	50'			
Mitigation	DR			
Stabilization	CO			

Filter Strips

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

Harvesting in Wetlands

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

Heritage no take & see Attached AR

Amendment #1 - Add ST-5 with

SC-9 & SC-10 - 11.13.18 AR

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.

* See Next Page *

Forest Products

Products to be Harvested*

Species	MBF/Cds	Species	MBF/Cds
White Pine		Red Maple	3
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	298
Hemlock		Black Oak	9
Spruce		White Oak	1
Other Sp. Ind.		Other Hard.	12
White Ash	6	Total MBF	340
Hemlock		Cordwood (Cds)	442
White Birch		SW Pulp (Tons)	
B & Y Birch	11	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

*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

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	OR	OH	OR	OR
Area	99	13	8	2
Landowner Objective	LT	LT	LT	LT
Designation of Trees	CT	CT	CT	CT
Type of Cut	SA	SA	SA	SA
Source of Regeneration	SE	SE	SE	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 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)

9-6-18

Date

Service Forester

Determination and Status

Approved

Disapproved

Expires

Cutting Plan



8-16-20

9-11-18

Signature of Service Forester/Director's Agent

Date

Extension



Expires

See For Ints.

Amendment



* See Next Page *

Final Report and Comments

I hereby certify that the above described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

9-25-19

Date

Codes

Forest Types	Extension of Type	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK White Birch	LP Limb Tree	ST Seed Tree	CT Commercial Thin
WL White Fir	SB Stand Boundary	CC Clear Cut	NT Non-Cut Thin
WO White Oak	OT Other	SE Selection	Non-Standard Systems*
RP Red Pine	Landowner Objective	SA Salvage	HG Highgrade
RL Red Spruce	LT Long-term Mgt	SN Sanitation	LL Diameter Limit
	ST Short-term Mgt		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 Products

Species	Mb//Cds		Mb//Cds
White Pine	3.2	Red Maple	9.7
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	803.8
Hemlock		Black Oak	27.2
Spruce		White Oak	16.3
Other Strwd.		Other Hdwd.	12
White Ash	8	Total MbF	707.2
Beech		Cordwood (Cds)	965
White Birch		SW Pulp (Tons)	
B & Y Birch	27	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

Stand Treatment

Indicate location on map	ST-1	ST-2	ST-3	ST-4	ST-5
Forest Type	OR	OH	OR	OR	OR
Acres	59	13	8	3	90
Landowner Objective	LT	LT	LT	LT	LT
Designation of Trees	CT	CT	CT	CT	CT
Type of Cut	SA	SA	SA	SA	SA
Source of Regeneration	SE	SE	SE	SE	SE

Landowner

LT – Long-term Forest Management

☐ ST - Short-term Harvest

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.

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 _____

Date _____

11/13/88

Forest Types				Description 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	
WH	W/Hem	HH	Hem/Hem	RM	Red Maple	LT	Leave Tree	ST	Seed Tree	CT	Commercial Thin	SB	Natural Seed
WK	W/Hwd	BC	Beech/Cherry	BE	Beech	SB	Stand Boundary	CC	Clear Cut	NT	Non Oak Thin	PL	Plant
WO	W/Oak	BB	Bee/Bir/Map	SP	Spruce/Fir	OT	Other	SE	Selection	Non-Standard Systems*	CO	Coppice	
RP	Red Pine	OH	Oak/Hem	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 Mgt.				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

Stream Crossings

Indicate location on map	SC-5	SC-6	SC-7	SC-8	SC-9	SC-10
Type of Crossing	BR	BR	BR	BR	BR	BR
Existing Structure	N	N	N	Y	Y	N
Type of Bottom	ST	ST/MU	MU/ST	ST	ST	ST/MU
Bank Height (ft)	1-2'	<1'	<1'	<1'	1-2'	<1'
Stabilization	CO	CO	CO	CO	CO	CO

Wetland Crossings

Indicate location on map	WC-5	WC-6	WC-7	WC-8	WC-9	WC-10
Length						
Mitigation						
Stabilization						

Filter Strips

Indicate location on map	FS-5	FS-6	FS-7	FS-8	FS-9	FS-10
Width (50', 100' or VA)	VA	VA	VA	VA		

Harvesting in Wetlands

Indicate location on map	HW-5	HW-6	HW-7	HW-8	HW-9	HW-10
Forest Type (see pg 2)						
Acres to be Harvested						
Resid. Basal Area (>50%)						

Type of Crossing	Stabilization	Mitigation	Type of Bottom
CJ Culvert	SE Seed	FR Frozen	LE Ledge
BR Bridge	MU Mulch	DR Dry	ST Stony
FO Ford	CO Corduroy	OT Other	MU Mud
PO Poled	ST Stone		GR Gravel
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 narrative page

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 204.9487.19

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 project objective is to salvage oak that has approximately 50% or more crown mortality from a third consecutive year infestation by the defoliating gypsy moth caterpillar. All timber to be cut is marked in blue paint. All skid roads are marked in orange paint. Three slashes of paint indicates harvest boundary. Some retention trees, mainly sugar maple, are flagged pink for hopeful avoidance during harvest. Pink flag also indicates the edges of small seeps that are to be avoided. Timber has been unmarked (black paint) in stands 3 and 4. These stands represent a 300 ft. buffer from the reservoir shoreline where, although dead, more trees have been retained providing an early stage shelterwood condition from above

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.

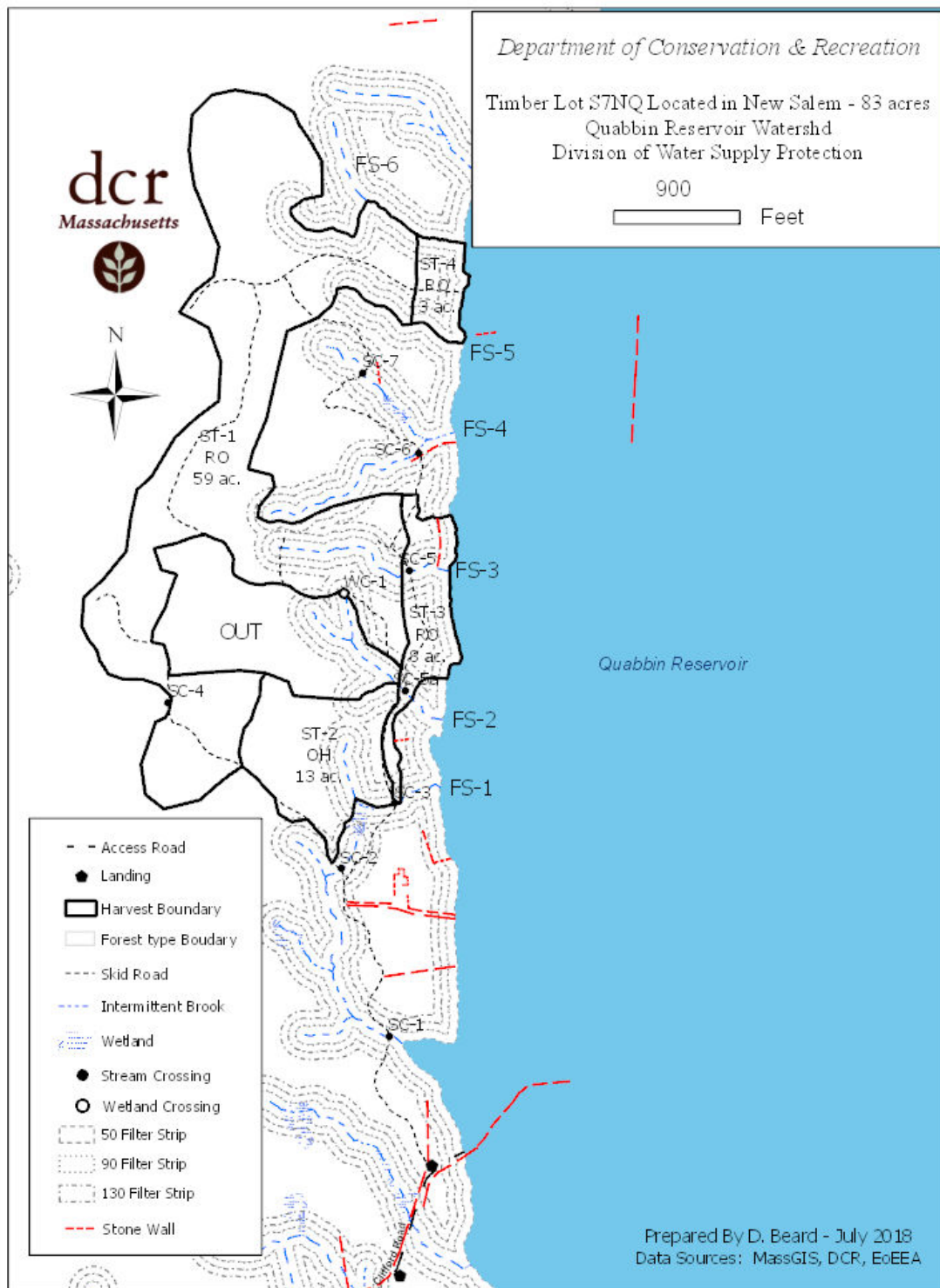
Stand No.	Describe Trees to be Cut			Describe Trees to be Left			% BA/AC	
	Species	Size	Quality	Species	Size	Quality	Cut	Left

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

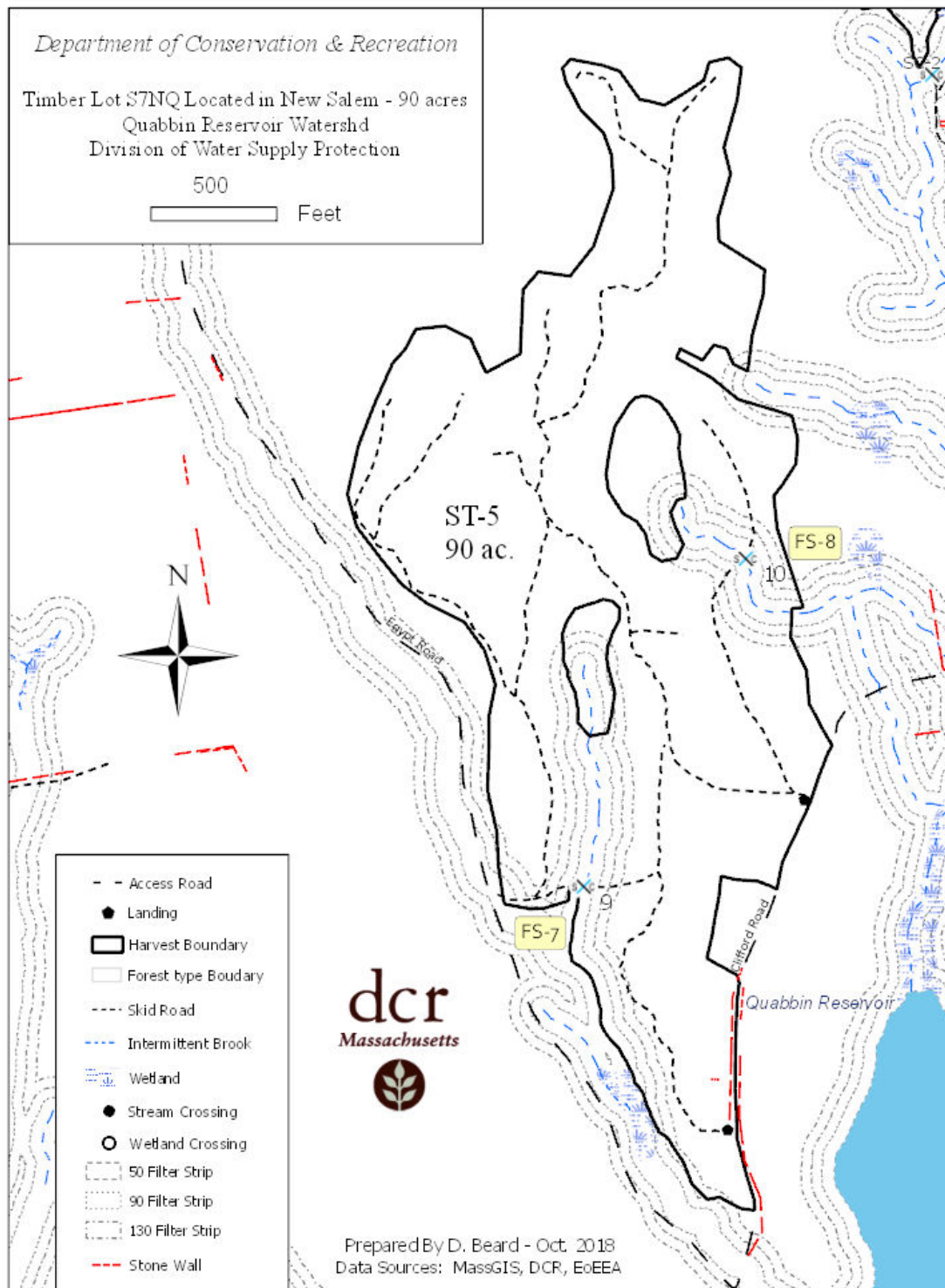


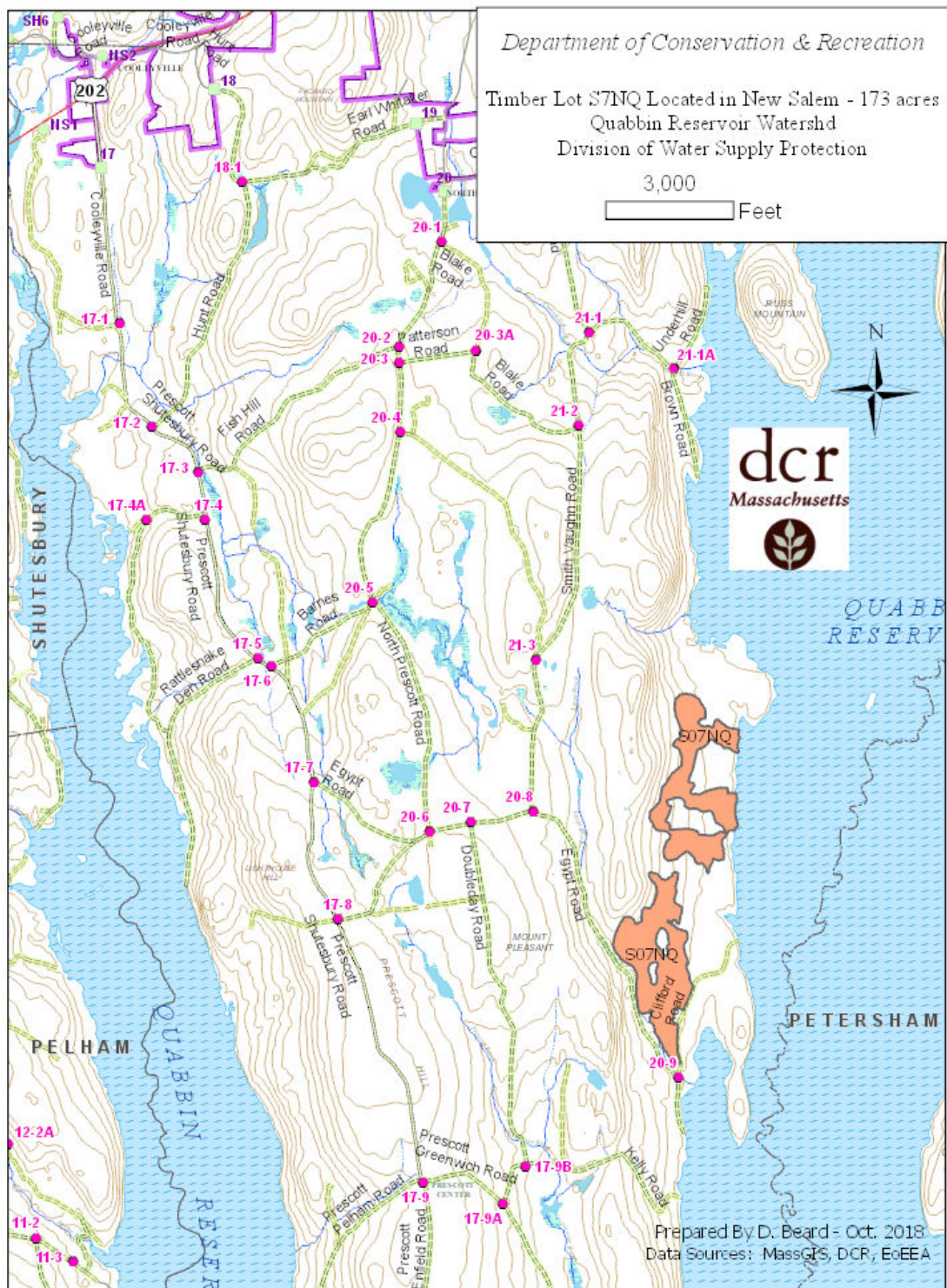
Department of Conservation & Recreation

Timber Lot STNQ Located in New Salem - 90 acres
Quabbin Reservoir Watershed
Division of Water Supply Protection

500

Feet





dc



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

FILE # 04-9487-19

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, 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

Clifford Rd lot, New Salem

Approval Date 9/11/18

Director's Agent Andrew Rawcliffe

DCR Phone No. 617-548-1677

ISSUED BY:

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

Figure 2 Cutting Plan

WEST SIDE OF EGYPT BROOK RD.

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 <u>204-9690-19</u>	Case No. _____
Date Rec'd <u>12-20-18</u>	Nat. Ident. <u>AMS</u>
Earliest Start <u>1-8-19</u>	Pub. Dr. Wit. <u>AMS</u>
River Basin <u>Chicopee</u>	ACEC <u>NO</u>
Geol. Obs. <u>LS</u>	

Location

Town New Salem

Road Egypt Brook Rd. (Gate 17)

Acres 46 Proposed Start Date _____

Vol. MBF 41.4 Vol. Cds. 94 Vol. Turs _____

Plan Preparer

Name Derek Beard

Address DCR - DWSP Quabbin Section
484 Ware Rd.

Town, State, Zip Belchertown, MA 01007

Phone (517) 780-0631

Type of Preparer LF

*Mass. Forester License # 14

*Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name DCR-DWSP Quabbin Section

Mailing Address 484 Ware Rd

Town, State, Zip Belchertown, MA 01007

Phone 517-780-0631

Ch61 ☐ Ch61A ☐ Ch61B ☐ Stew ☐ *Case # _____

FSR ☐ CR ☐ CR Holder _____

Licensed Timber Harvester**

Name John H. Conkey & Sons Logging

Address 621 Daniel Shay Highway

Town, State, Zip Belchertown, MA 01007

Phone (413) 323-7120

Mass. Lic. Harvester # 2019-039

**This information may be supplied after the plan is approved, but before work begins.

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing				
Existing Structure				
Type of Bottom				
Dam 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	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				
Road/Bed Area (>50%)				

Service Forester Comments

Codes

<p>Type of Preparer</p> <p>LF Mass Lic For</p> <p>SL Lic. Lim Har</p> <p>TS Timber Buyer</p> <p>LO Landowner</p> <p>OT Other</p>	<p>Type of Crossing</p> <p>CU Culvert</p> <p>DR Bridge</p> <p>FO Fend</p> <p>PO Pile</p> <p>OT Other</p>	<p>Stabilization</p> <p>SE Seed</p> <p>MU Mulch</p> <p>CO Coarse</p> <p>RT Stone</p> <p>IBB Hay Bales</p> <p>OT Other</p>	<p>Mitigation</p> <p>FR Forest</p> <p>CR Crip</p> <p>OT Other</p>	<p>Type of Bottom</p> <p>LE Ledge</p> <p>ST Stony</p> <p>ML Mud</p> <p>GR Gravel</p> <p>OT Other</p>	<p>Note:</p> <p>Applicant must provide DCR with all relevant information before plan may be approved and clearing may begin.</p> <p>Some forestry activities, such as prescribed burning and pesticides or fertilizer application may require additional permits.</p> <p>Consult MA Forestry BMP Manual for further information.</p>
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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	Mbfs/Cu	Mbfs/Cu
White Pine	Red Maple	
Red Pine	Sugar Maple	
Pitch Pine	Red Oak	9.7
Hemlock	Black Oak	1.9
Spruce	White Oak	15.3
Other Silv.	Other Hardw.	5.5
White Ash	Total Mbfs	41.4
Beech	Condition (Cfs)	94
White Birch	SW Pulp (Tons)	
H & Y Birch	HW Pulp (Tons)	
Black Cherry	Chips (Tons)	

*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. Mbfs = thousand board feet.

Cutting Standards

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	QM			
Acres	48			
Landowner Objective	LT			
Designation of Trees	CT			
Type of Cut	SA			
Source of Regeneration	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 intent 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 abutments 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.

Signature of landowner(s)

12-17-18

Date

Determination and Status 204-9690-19

Approved ☒ Disapproved ☐ Expires

Cutting Plan ☒ 12/20/20

Signature of Service Forester/Director's Agent 1-3-18

Signature of Service Forester/Director's Agent Date

Extension ☐ ☐ Expires ☐ Ser. For. Int. ☐

Amendment App 1 ☐ Ely 1 ☐ App 2 ☐ Dis 2 ☐

Final Report and Comments

I hereby certify that the above described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

9-25-19

Date

Signer Use of Prescribed Fire to reduce the overabundance of ground cover to stimulate tree regeneration and diversity wildlife habitat.

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	HK Hemlock	OM Other Tree	AD Advanced
WL White Birch	LM Mixedwood	LT Long-term Mfg.	SL Natural Seed
WB White Birch	HC Black Cherry	ST Short-term For.	PL Plant
WO White Oak	UD Deciduous	CT Clear Cut	CO Coppice
RP Red Pine	OH Oak/Hardw.	SA Salvage	DS Direct Seed
SR Red Spruce	OR White Oak	SN Sanitation	OT Other

*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page pg 4 of 3

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 204-9690-19

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 project objective is to salvage oak that has approximately 50% or more crown mortality from a third consecutive year infestation by the defoliating gypsy moth caterpillar. All timber to be cut is marked in blue paint. All skid roads are marked with orange paint.

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.

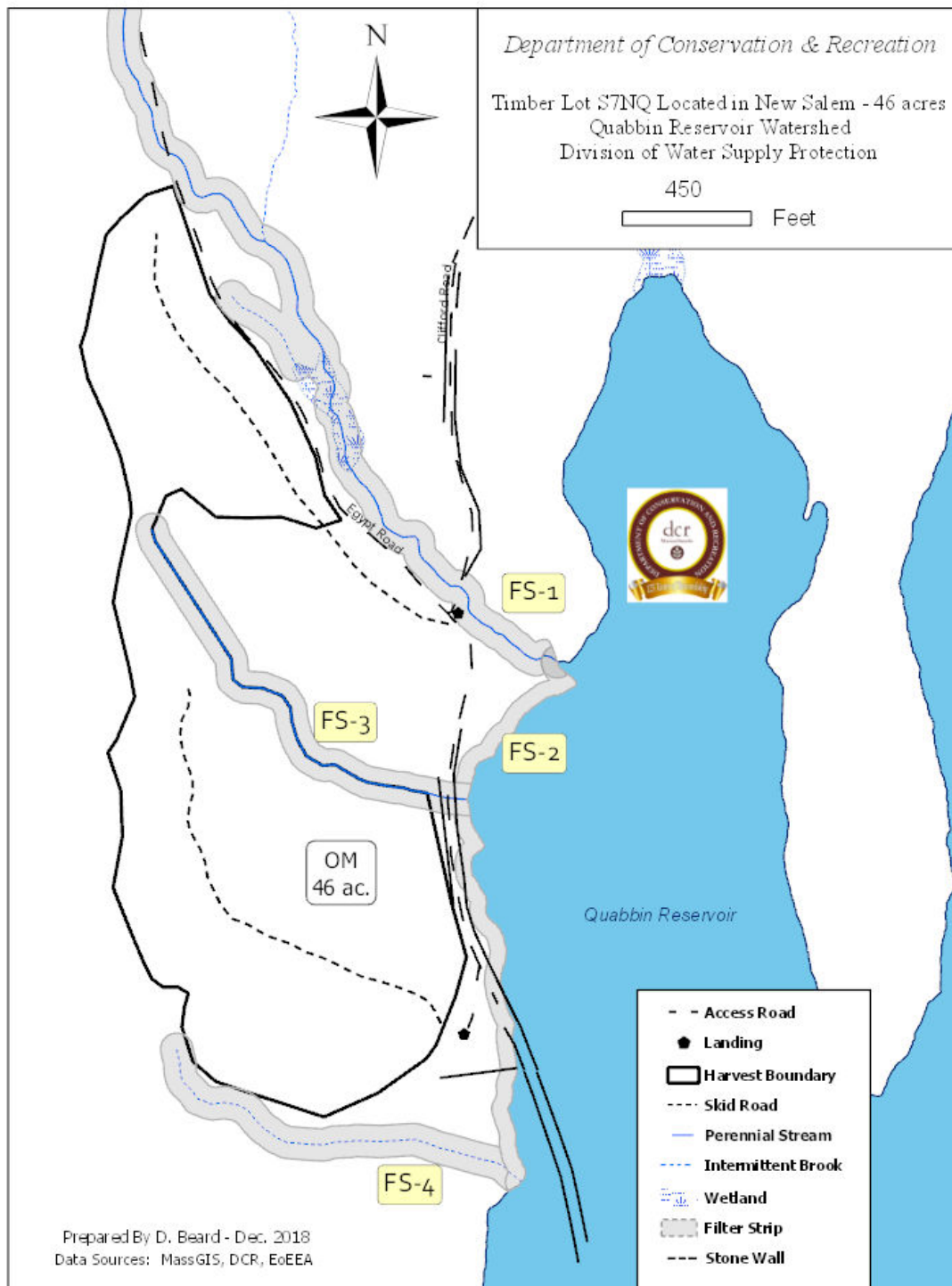
Stand No.	Describe Trees to be Cut			Describe Trees to be Left			% BA/AC	
	Species	Size	Quality	Species	Size	Quality	Cut	Left

Regeneration & Future Condition

Use this Section to describe how Chapter 112 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.



dcf



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

FILE #

204-9690-19

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 484 Ware Rd Belchertown, MA in accordance with the
(Name of Owner) (Address) 01007

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

Egypt Brook Rd lot, New Salem
(Gate 17)

Approval Date

1/3/19

Director's Agent

Andrew Rawcliffe

DCR Phone No.

617-549-1677

ISSUED BY:

Paula Gign

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