

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

Project Title: Mid Egypt Brook

DWSP Harvest Permit Number: 3172

DWSP Proposal ID: PR-17-16

DCR Forest Cutting Plan Number: 204-32385-21

Site Information

Watershed: Quabbin

Town(s): New Salem

Acres: 74

Nearest Road: Cooleyville

Natural Heritage Atlas Overlap? Yes

Public Drinking Water Supply Watershed? Yes

Forest Types: Oak/Hardwood, White Pine/Oak

ACEC? No

Soils: Stony till with varying levels of sandy loam

Wetland Resources: Intermittent brooks

Vernal Pools: 1

Harvest Information

Harvest Start Date: 9/17/2024

Harvest End Date: 12/20/2024

Number of Wetland Crossings: 0

Number of Stream Crossings: 1

Best Management Practices Applied

Stream Crossings: Temporary skid bridge with corduroyed approaches

Filter Strips: Variable width

Wetland Crossings: None

Harvesting in Wetlands: None

DWSP Forester Supervising Harvest

Name: Derek Beard

Forester License #: 14

Phone #: 617-780-0631

Email: derek.beard@mass.gov

NARRATIVE

General Description/Forest Composition/History:

The general location of this harvest is east and south of the intersection (20-8) of Egypt Brook road and end of the Gate 21 road. Specifically, it sets along the east side of Egypt Brook and ascends eastward over a height of land to a steep east facing slope. It is bounded to the west by Egypt Brook, to the north by an old lot line, to the east by steep slope and to the south by Quabbin Salvage Harvest S7NQ (completed in 2019).

High canopy oak/hardwood covers most the area; greatest stocking is red oak followed by white, black and scarlet. Common mid-story hardwoods are red maple, black birch and hickory. The other main forest component of the harvest area is high canopy white pine/oak. Portions of this forest type have very large trees which could be considered exceptional and have not been included in the harvest. An understory composition of sapling/small pole size black birch and white pine was triggered from thinning in 1971 and '82. There has been a minor to moderate level of oak mortality (mostly confined to the lower slope) resulting from repeated Gypsy Moth caterpillar infestation (2016/17).

An old truck road descends from Egypt Brook Rd to an old stone culvert (the projects stream crossing) over Egypt Brook eventually arriving at a ¼ acre stand of vigorous large pole size white pine. It was discovered from discuss (with retired forester), that this locale was the site of a portable sawmill likely used in the 1970s harvest.

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 and future users. 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 to large scale disturbances such as disease, insect infestation, ice storms and hurricanes.

Silvicultural Objectives:

The main goal of the harvesting project is to release and/or spur a young forest age class. This will be accomplished by the siting of 10 openings across the harvest area that range between 0.1 and 2 acres in size; and average about 1 acre. Openings over a half-acre (0.5) have live tree retention that will contribute to future forest complexity.

Cultural Resources:

Given the area's distant proximity from the road, other than old property bounds, cultural resources are quite sparse.

Rare or Endangered Species:

According to the latest edition of the MA Natural Heritage & Endanger Species Atlas, the project does overlap with any estimated or critical habitat area. Although no harvesting is occurring near it, a portion of the project's east boundary is a vernal pool.

FIGURES

Figure 1. Forest Cutting Plan

Figure 1a: Forest Cutting Plan page 1.

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	204-32385-21	Case No.	NA
Date Rec'd	06/04/2021	Nat. Hist.	True
Earliest Start	06/21/2021	Pub. Dr. Wat.	Yes
River Basin	Chicopee	ACRAC	False
Gen. Obl.	LT		

Site Information

Location

Town New Salem
Road Egypt Brook
Acres 74.00 Proposed Start Date 09/01/2021
Vol MBF 113.000 Vol. Cds 153 Vol. Tms 57

Plan Preparer

Name Derek Beard
Address 485 Ware Rd

Town, State, Zip Belchertown MA 01007
Phone 617-780-0631
Type of Preparer LF
*Mass. Forester License # 14
*Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name DCR Div. of Water Supply Protection
Mailing Address 485 Ware Rd

Town, State, Zip Belchertown Massachusetts 01007
Phone 413-323-6921
Ch61 ☐ 61A ☐ 61B ☐ Stew ☐ *Case #
FSC ☐ CR ☐ CR Holder

Licensed Timber Harvester**

Name
Address
Town, State, Zip MA
Phone
Mass. Lic. Harvester #

** 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)	1.00			
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			

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

Approved 6/30/21.

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LI Mass. Lic. For	CL Culvert	SE Seed	FP Frozen	FE Edge
LIC Lic. Tim. Har	BR Bridge	MS Mulch	DR Dry	ST Stony
TR Timber Buyer	FO Road	CS Cuddency	OT Other	SH Mud
LO Landowner	PO Paved	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 1 of 6

Figure 1b: Forest Cutting Plan page 2.

Products to be Harvested*			
Species	Mbf/Cds		Mbf/Cds
White Pine	43.200	Red Maple	1.000
Red Pine		Sugar Maple	1.200
Pitch Pine		Red Oak	52.500
Hemlock	1.100	Black Oak	4.200
Spruce		White Oak	1.600
Other Sftwd.		Other Hdwd.	1.000
White Ash	0.300	Total Mbf	113.200
Beech		Cordwood (Cds)	153.000
White Birch		SW Pulp (Tons)	57.000
B & Y Birch	7.100	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	OH		
Acres	27.000	47.000		
Landowner Objective	LT	LT		
Designation of Trees	CT	CT		
Type of Cut	CC	CC		
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)

07/02/2021
Date

Determination and Status

Approved ☐ Disapproved ☒ Expires 06/04/2023

Cutting Plan ☐

Signature of Service Forester/Director's Agent

07/02/2021
Date

Extension 1 ☐ 2 ☐ Expires _____ Ser. For. Ints. _____

Amendment 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.

Signature of Service Forester/Director's Agent

02/26/2025
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 Harvester:	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

Figure 1c: Forest Cutting Plan page 3.

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 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 speciality 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 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 are to be harvested. I (we) understand that the volumes and values (Ch67 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)



6-4-2021

Figure 1d forest cutting plan page 4.

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 of Water Supply Protec

Town New Salem

File Number 204.32385.21

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 harvest encompasses 10 patch openings (clearcuts) totaling 9.7 acres across a 74 acre project area. Sizes range from a 10th of an acre to 2.2 acres and average one acre. Openings over a half an acre have some tree retention. About 4 MBF of red oak volume is dead; 0.7 MBF of black oak volume is dead (killed by 2017/18 gypsy moth infestation). Skid roads are marked in orange or red paint. Openings are marked in blue 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

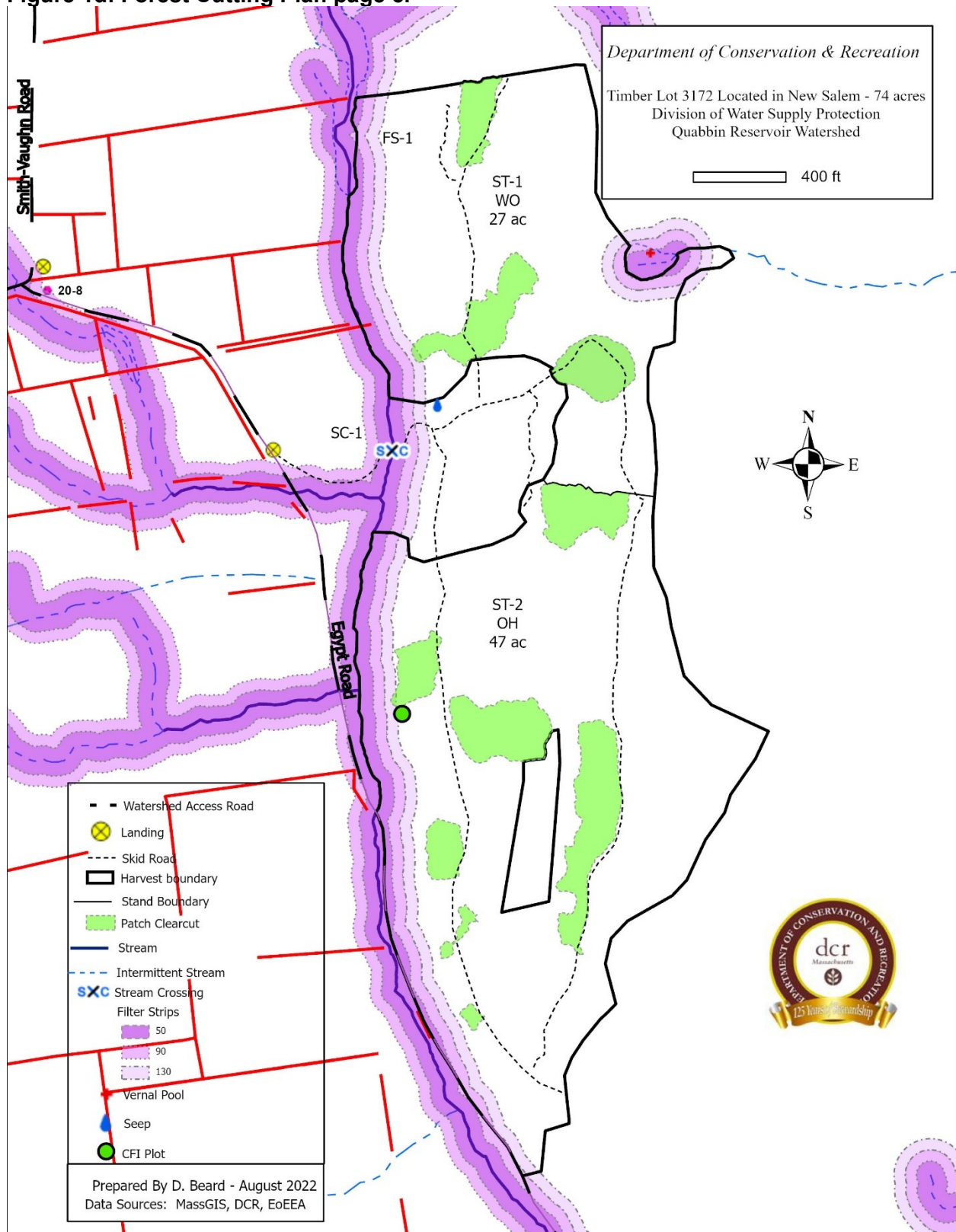
Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HGL, 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 100 years from the harvest, including the condition of the overstory & understory

Figure 1d: Forest Cutting Plan page 5.



Department of Conservation & Recreation

Timber Lot 3172 Located in New Salem - 74 acres
Division of Water Supply Protection
Quabbin Reservoir Watershed

0 2,000 ft

Prepared By D. Beard - August 2022
Data Sources: MassGIS, DCR, EoEEA

Prepared By D. Beard - August 2022
Data Sources: MassGIS, DCR, EoEEA

Figure 1f: Forest Cutting Plan page 7.

dcf



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

FILE #

204-32385-21

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

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
"3166" lot. Egypt Brook Rd, New Salem

Approval Date 6/30/21

Director's Agent Andrew Rawcliffe

DCR Phone No. 617-549-1677

ISSUED BY:

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