

AUG 25 2025

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 23043102216 Case No. —
Date Rec'd 08-25-25 Nat. Hert. Yes
Earliest Start 09-10-25 Pub. Dr. Wat. No
River Basin Brazos Bay CEC No
Gen. Obj. LT

Location

Town Plymouth/Wareham
Road Barker Road
Acres 400 Proposed Start Date ASAP
Vol. MBF 1.5 Vol. Cds. — Vol. Tons 3,200

Plan Preparer

Name Fletcher Clark
Address 1 Rabbit Hill Rd
Town, State, Zip Westborough MA 01581
Phone (508) 389-6300
Type of Preparer LF
*Mass. Forester License # 433
*Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name Division of Fisheries and Wildlife
Mailing Address 1 Rabbit Hill Rd
Town, State, Zip Westborough MA 01581
Phone 508-389-6300
Ch61 ☐ 61A ☐ 61B ☐ Stew ☐ *Case # —
FSC ☐ CR ☐ CR Holder

Licensed Timber Harvester**

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

**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	BR	BR		
Existing Structure	NO	NO		
Type of Bottom	MU	MU		
Bank Height (ft)	<1' <input checked="" type="checkbox"/>	<1' <input checked="" type="checkbox"/>		
Stabilization	CO	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)	50			

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

APPROACHES TO
STREAM CROSSINGS
CONTAINING SOME
AREAS OF B.W.W. WHICH
WILL BE MITIGATED
WITH TIMBER MATS
AND/OR CORDUROY +
ONLY USED WITH DR
OR FROZEN

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

Products to be Harvested*

Species	Mbf/Cds		Mbf/Cds
White Pine	1.5MM	Red Maple	
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	
Hemlock		Black Oak	
Spruce		White Oak	
Other Sftwd.		Other Hdwd.	
White Ash		Total Mbf	
Beech		Cordwood (Cds)	
White Birch		SW Pulp (Tons)	3,200
B & 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. Mbf = thousand board feet.

Cutting Standards

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	PP <input checked="" type="checkbox"/>			
Acres	400			
Landowner Objective	LT			
Designation of Trees	OT <input checked="" type="checkbox"/>			
Type of Cut	SE <input checked="" type="checkbox"/>			
Source of Regeneration	SE <input checked="" type="checkbox"/>			

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)

8/22/2025

Date

Determination and Status 239.43422.26

Approved Disapproved Expires

Cutting Plan



08-25-27

9/12/25

Signature of Service Forester/Director's Agent

Date

Extension



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

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	SE 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: 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 Mass Wildlife
Town Plymouth/Warham
File Number 239.43422.26

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.

FS-1 is a no harvest area except where stream crossings are proposed. Note, the cranberry bog will undergo a restoration beginning summer of 2026.

All White Pine is to be remove by prescriptiond. All Pitch Pine and tree Oak will be retained. The only trees marked are White Pine that will be used for the cranberry bog restoration. Those trees are located closest to the cranberry bog.

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
1	WP	All	Poor to good	OAK/PITCH PINE	All	All	50	50

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

1	SE	Regeneration of shrub layer is desired

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

1	Coastal Pine Barren that will be managed with prescribed fire. This will create an open canopy of Pitch Pine, Scarlet, Black, and White Oak. Understory will consist of heath, blueberry, huckleberry and scrub oak. Black gum, sassafras, and Red Maple along the bordering vegetative wetlands within Red Brook.
	Fingers crossed Southern Pine Beetle do not kill all the Pitch Pine and any remaining White Pine. If this occurs then the site will become an oak woodland and a scrub oak heathland.

Stream Crossings

Indicate location on map	SC-5	SC-6	SC-7	SC-8	SC-9	SC-10
Type of Crossing						
Existing Structure						
Type of Bottom						
Bank Height (ft)						
Stabilization						

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)						

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

CU Culvert
BR Bridge
FO Ford
PO Poled
OT Other

Stabilization

SE Seed
MU Mulch
CO Corduroy
ST Stone
HB Hay Bales
OT Other

Mitigation

FR Frozen
DR Dry
OT Other

Type of Bottom

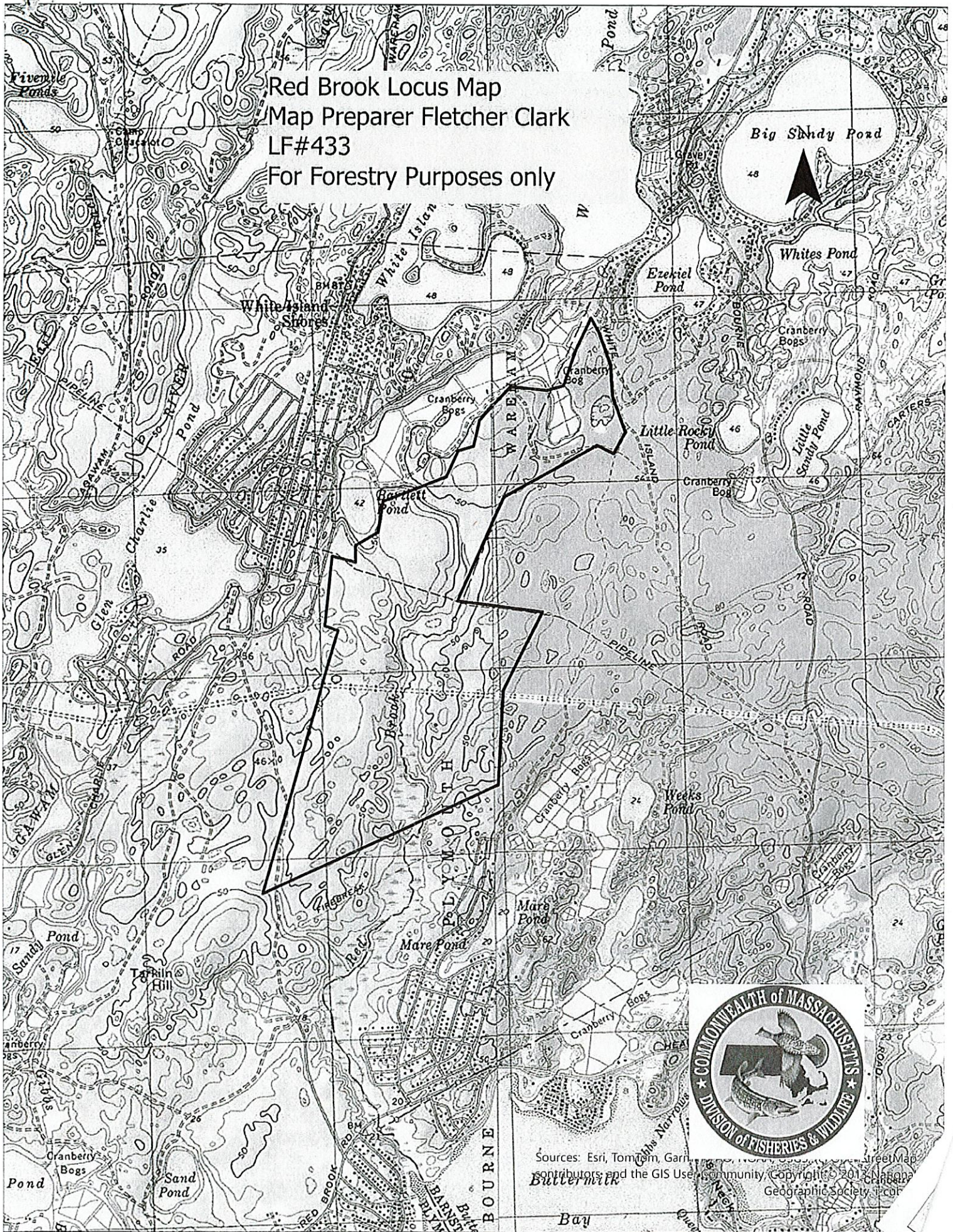
LE Ledge
ST Stony
MU Mud
GR Gravel
OT Other

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

Red Brook Locus Map
Map Preparer Fletcher Clark
LF#433
For Forestry Purposes only



Sources: Esri, TomTom, Garmin, Google, etc. Street Map contributors and the GIS User Community. Copyright © 2013 National Geographic Society. All rights reserved.

Map Preparer Fletcher Clark LF#433

Date Prepared 8/21/2025
Pond [W.B.]

For Forestry Purposes Only

Data obtained MassGIS, Field reconn, MassWildlife

WAREHAM

N

FS-1

SC-2

SC-1

ST-1

PLYMOUTH

Legend

- ✕ Landing
- SC_I_II
- - - SkidRoad
- Wetland
- FilterStrip
- RedBrookHarvestBounda



MassGIS

0 0.1 0.2 0.4 Miles



MASSWILDLIFE

DIVISION OF FISHERIES & WILDLIFE

1 Rabbit Hill Road, Westborough, MA 01581
p: (508) 389-6300 | f: (508) 389-7890
MASS.GOV/MASSWILDLIFE

Jim Rassman
DCR Service Forestry
District 1

Forest Cutting Plan No.: 239.43422.26

NHESP Tracking No.: 25-19796

Town: Plymouth/Wareham

Road: Barker Road

Landowner: Division of Fisheries and Wildlife

Preparer: Fletcher Clark (Westborough; MA
License # 433)

Date: September 17, 2025

Dear Jim,

The Natural Heritage and Endangered Species Program (NHESP) of the Massachusetts Division of Fisheries and Wildlife (the Division) has completed its review of the above-referenced Forest Cutting Plan (the Plan) pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)).

Description

The Plan proposes the selective harvest of white pine within a 400-acre Pitch Pine Forest as part of an effort to restore coastal pine barren conditions. A single stand is delineated under the Plan, which is bisected by Red Brook. The brook is protected by a Filter Strip 1 (FS-1), designated as a No Harvest Area, except at two locations where stream crossings are proposed.

State-Listed Species

Swamp Oats (*Sphenopholis pensylvanica*) is a tufted perennial grass that can reach between 30-120 cm (11.8-47.2 in) in height and is characterized by having narrow, loosely branched panicles. This plant is found in acidic, often cool, springy ground and seepage areas in shrubby woodlands, on sphagnum-covered hummocks and logs in red maple swamps, and at the mucky edges of floating sphagnum mats. It is especially sensitive to alterations in normal hydrology.

Division Comments

Based on the Plan and information in the NHESP database, the Division has determined there is potential for activities proposed in the Plan to result in a Take (as defined in 321 CMR 10.02) of Swamp Oats (*Sphenopholis pensylvanica*), listed as Threatened pursuant to the Massachusetts Endangered Species Act (M.G.L. c. 131A, MESA) and its implementing regulations (321 CMR 10.00) for the work proposed within Priority Habitat.

MASSWILDLIFE

Pursuant to 304 CMR 11.04(6), inclusion of the following condition to the Plan and implementation by the Landowner will avoid a Take of state-listed species.

SC-1 and the approximately 30 feet of Bordering Vegetated Wetland (BVW) located to the east of SC-1:

- 1) Use of SC-1 during ground frozen conditions, where the ground must be solid
 - a. Ground Protection Measures: To avoid soil compaction and alteration of wetland hydrology, utilization of SC-1 and the surrounding BVW shall occur only when site conditions are dry or frozen. All crossing activities must employ methods to distribute equipment weight (e.g., swamp matting or other Division-approved techniques).
 - b. Post-Harvest Botanical Survey: Within one growing season following completion of harvesting activities, the Division requires a post-harvest botanical survey of the project area. This survey shall be conducted and submitted to the Division in accordance with standard survey requirements (see 2.a).
 - c. Site Demobilization: All equipment, machinery, harvested material, and ground protection measures (e.g., swamp matting) shall be removed from the site while the ground remains frozen or otherwise stable. Removal shall occur prior to ground thawing and in no case later than April 1.
 - d. Erosion and Sedimentation Controls: If the use of SC-1 or SC-2 results in conditions where erosion or sedimentation may occur, adequate erosion and sedimentation control measures shall be implemented. Structural failure of such controls may be subject to enforcement action pursuant to the Massachusetts Endangered Species Act (MESA).
- 2) Use of SC-1 during non-ground frozen conditions
 - a. Botanical Surveys: Prior to utilization of SC-1 and the approximately 30 feet of BVW located to the east of SC-1, the Division requires a botanical survey for Swamp Oats (*Sphenopholis pensylvanica*). The survey shall be conducted by a qualified botanist with demonstrated experience identifying the species, pre-approved by the Division, and performed within the appropriate seasonal window for definitive identification. Please coordinate botanical surveys with the Division.
 - b. Post-Harvest Botanical Survey (see 1.b)
 - c. Erosion and Sedimentation Controls (see 1.d)

All other Plan activities outside of SC-1 and the approximately 30 feet of BVW to the east of SC-1:

- 3) Timber harvesting in areas outside of SC-1 and the approx. 30 feet of BVW to the east of SC-1 may proceed with no conditions.

If surveys are required, the Division will continue its review of the proposed project following the survey for compliance with the state-listed species provisions of the MESA regulations. The Division reserves the right to request additional information to understand the potential impacts of the proposed project on state-listed species and their habitats.

This determination addresses only the matter of state-listed species and their habitats. For permitting information and requirements under the federal Endangered Species Act (ESA) (16 U.S.C. 1531 et seq.), we recommend that you use the U.S. Fish and Wildlife Service's Information for Planning and Conservation website (<https://ecos.fws.gov/ipac>).

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 Nikolis Gualco, Endangered Species Review Biologist at nikolis.a.gualco@mass.gov OR (508)389-6375.
Sincerely,

A handwritten signature in black ink, appearing to read "Jesse Leddick", with a stylized flourish at the end.

Jesse Leddick
Assistant Director

dc_r



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

FILE #

239.43422.26

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 Div. Fish & Wildlife Westborough MA in accordance with the
(Name of Owner) (Address)

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

Approval Date 9/15/2025

Director's Agent JAMES RASSMAN

DCR Phone No. 508-269-1645

ISSUED BY:

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