

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

**Project Title: Javenpaw Pit**

<b>DWSP Harvest Permit Number:</b> 4410
<b>DCR Forest Cutting Plan File Number:</b> 235-34011-23

**Site Information**

<b>Watershed:</b> Ware River Watershed	<b>Town(s):</b> Phillipston
<b>Acres:</b> 12.9	<b>Nearest Road:</b> Williamsville Rd
<b>Natural Heritage Atlas overlap?:</b> No	<b>Public Drinking Water Supply Watershed?:</b> Yes
<b>Forest Types:</b> white pine/oak, white pine/hardwood	<b>ACEC<sup>1</sup>?:</b> No
<b>Soils:</b> 908C – Beckett-Skerry association, 924C – Turnbridge-Lyman-Berkshire association.	
<b>Wetland Resources:</b> The harvest area is adjacent to several wetlands and intermittent streams.	
<b>Vernal Pools present or within 200 feet of harvest :</b> No	

**Harvest Information**

<b>Harvest Start Date:</b> After 10/1/22	<b>Harvest End Date:</b> Before 12/15/2024
<b>Number of Wetland Crossings:</b> None	<b>Number of Stream Crossings:</b> Two

**Best Management Practices Applied**

<b>Stream Crossings</b>	There are two stream crossings.
<b>Filter Strips</b>	There is no harvesting in a filter strip.
<b>Wetland Crossings</b>	There are no wetland crossings.
<b>Harvesting in Wetlands</b>	There is no harvesting in wetlands.

<b>DWSP Forester supervising this harvest</b>
<b>Name:</b> Ken Canfield
<b>Forester License #</b> 431
<b>Phone #:</b> 857-274-7090
<b>Email:</b> <a href="mailto:kenneth.canfield@mass.gov">kenneth.canfield@mass.gov</a>

<sup>1</sup>ACEC: Area of Critical Environmental Concern

## **NARRATIVE**

### **General Description/Forest Composition/History:**

The harvest area is located in the town of Phillipston, east of Williamsville Rd. It consists of 8.1 acres of a white pine/hardwood stand and 4.8 acres of a white pine/hardwood.

Tree species present in the overstory are white pine, red, black, and white oaks, red maple, black cherry, white ash, paper birch, black birch, yellow birch, American beech, and eastern hemlock. The understory consists of eastern white pine, red, black, and white oak, red maple, black birch, white ash, American beech, eastern hemlock and black cherry.

Glossy buckthorn is present but not well established. Some stems were hand pulled during tree marking.

The soils are well drained.

### **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. A healthy and resilient forest is comprised of diverse native tree and shrub species and multiple age classes of trees.

This harvest area was chosen because there is a high component of even aged low quality overstory white pine. Stands like these are low in diversity and susceptible to wind events.

### **Silvicultural Objectives:**

The harvest will remove the lower quality white pine in groups. The goal is to put enough sunlight on the ground to allow new natural regeneration of diverse species to be established. Seven group selection openings of 0.6, 1.0, 1.0, 1.0, 1.2, 1.4 and 1.9 acres in size and one clearcut of 4.8 acres in size will be established, with a few healthy overstory trees retained in each opening.

### **Cultural Resources:**

Standard practice dictates that every effort is made to avoid disturbing stone walls and other cultural resources.

### **Wildlife/Rare or Endangered Species:**

Natural Heritage Endangered Species Program (NHESP) does not show any rare habitat within the harvest area.

## **FIGURES**

**Figure 1 Forest Cutting Plan**

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 235-34011-23 Case No. NA  
 Date Rec'd 8/22/23 Nat. Hert. No  
 Earliest Start 9/7/23 Pub. Dr. Wat. Yes  
 River Basin Chicopee ACEC No  
 Gen. Obj. LT

Site Information

**Location**

Town Phillipston  
 Road Williamsville Rd  
 Acres 12.9 Proposed Start Date 9/22  
 Vol. MBF 142.8 Vol. Cds. 174 Vol. Tons 411

**Plan Preparer**

Name Kenneth W. Canfield  
 Address 578 Old Turnpike Rd  
 Town, State, Zip Oakham, MA 01068  
 Phone (857) 274-7090  
 Type of Preparer LF  
 \*Mass. Forester License # 431  
 \*Required for land under Ch61, Ch61A or Forest Stewardship

Best Management Practices

**Stream Crossings**

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	CU	OT		
Existing Structure	YES	NO		
Type of Bottom	OT	ST		
Bank Height (ft)	1-2' <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)				

**Landowner**

Name DCR Division of Water Supply Protection  
 Mailing Address 485 Ware Rd  
 Town, State, Zip Belchertown, MA 01007  
 Phone (413) 323-6921  
 Ch61 ☐ 61A ☐ 61B ☐ Stew ☐ \*Case #  
 FSC ☐ CR ☐ CR Holder

**Licensed Timber Harvester\*\***

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Town, State, Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Mass. Lic. Harvester # \_\_\_\_\_  
 \*\*This information may be supplied after the plan is approved, but before work begins.

**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	Note:
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LB Ledge	Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin.
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony	Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits.
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud	Consult MA Forestry BMP Manual for further information.
LO Landowner	PO Poled	ST Stone		GR Gravel	
OT Other	OT Other	HB Hay Bales		OT Other	
		OT Other			



## Products to be Harvested\*

Species	Mbf/Cds		Mbf/Cds
White Pine	116.8 Mbf	Red Maple	80 Cds
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	24.5 Mbf
Hemlock	1.3 Mbf	Black Oak	
Spruce		White Oak	
Other Sftwd.		Other Hdwd.	62 Cds
White Ash	0.2 Mbf	Total Mbf	142.8
Beech	2 Cds	Cordwood (Cds)	174
White Birch	9 Cds	SW Pulp (Tons)	
B & Y Birch	12 Cds	HW Pulp (Tons)	
Black Cherry	7 Cds	Chips (Tons)	411

\*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	WO <input checked="" type="checkbox"/>	WH <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Acres	8.1	4.8		
Landowner Objective	LT	LT		
Designation of Trees	CT <input checked="" type="checkbox"/>	CT <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Type of Cut	SE <input checked="" type="checkbox"/>	CC <input checked="" type="checkbox"/>		
Source of Regeneration	SE	SE	<input checked="" type="checkbox"/>	<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.

Dan Clark  
Digitally signed by Dan Clark  
Date: 2022.08.11 07:23:20  
+04'00'

Signature of landowner(s)

8/11/2022

Date

## Determination and Status

Approved Disapproved Expires

Cutting Plan ☒ ☐ 8-22-25

Signature of Service Forester/Director's Agent 8-31-22  
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

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	Blck 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



# 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 Phillipston

File Number

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.  
Stand 1 consists of 7 group selection patches that are 0.6, 1.0, 1.0, 1.0, 1.2, 1.4, and 1.9 acres. Stand 2 is a 4.8 acre

clearcut. Approximately 5 square feet of basal area per acre will be retained post harvest in all openings. Retention trees will be vigorous well formed stems, particularly red oak and white pine, or stems of any species with unique wildlife features such as large cavities. SC-1 is a culverted crossing on an existing gravel access road that will be used as a skid trail. SC-2 will be poled if there is no flow at time of harvest and bridged if there is flow.

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.

Describe Trees to be Cut				Describe Trees to be Left			% BA/AC	
Stand No.	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?

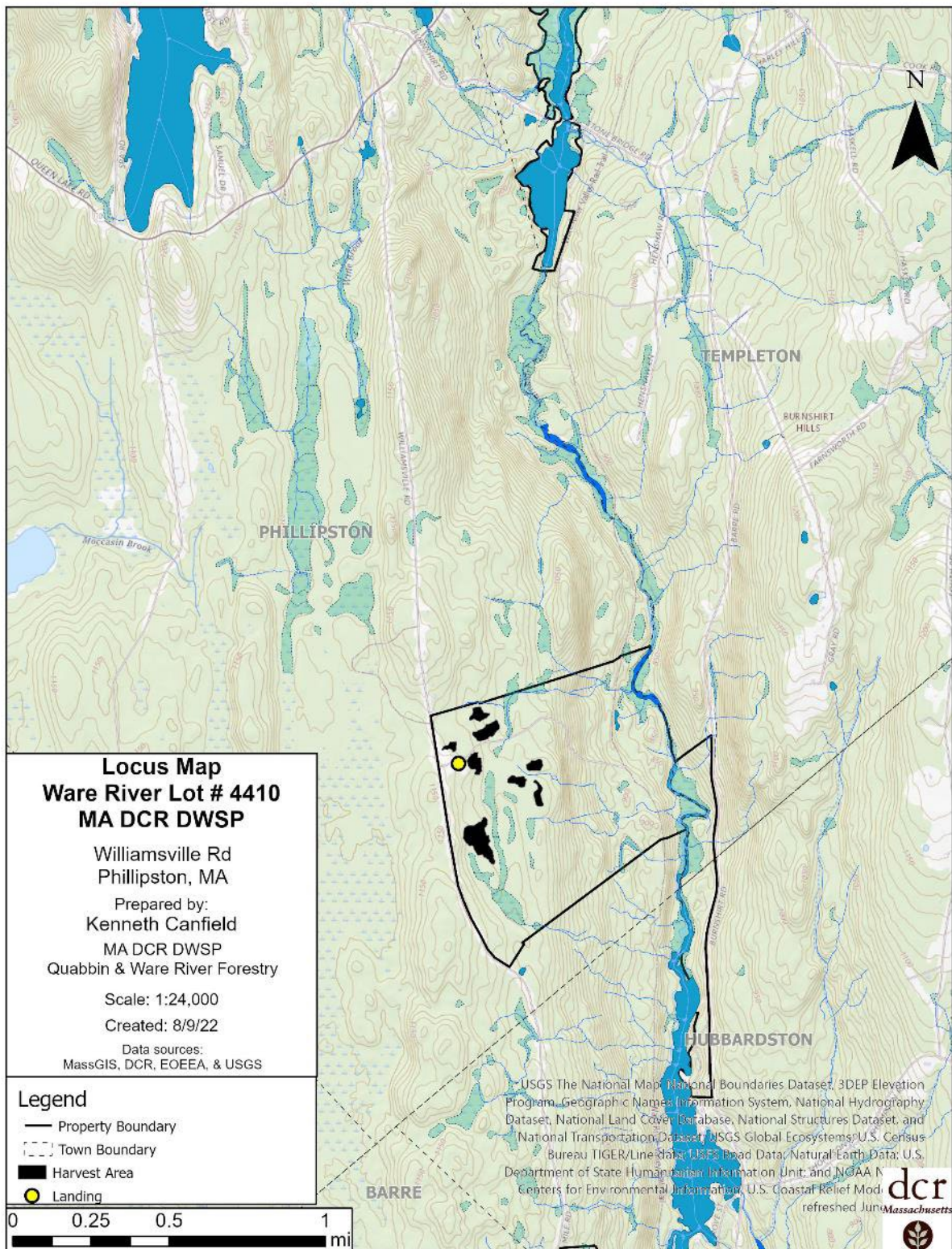
If using AD - Describe the species present and how the regeneration will be protected  
If using SE - Describe the source of the seed and the number of seed trees/acre

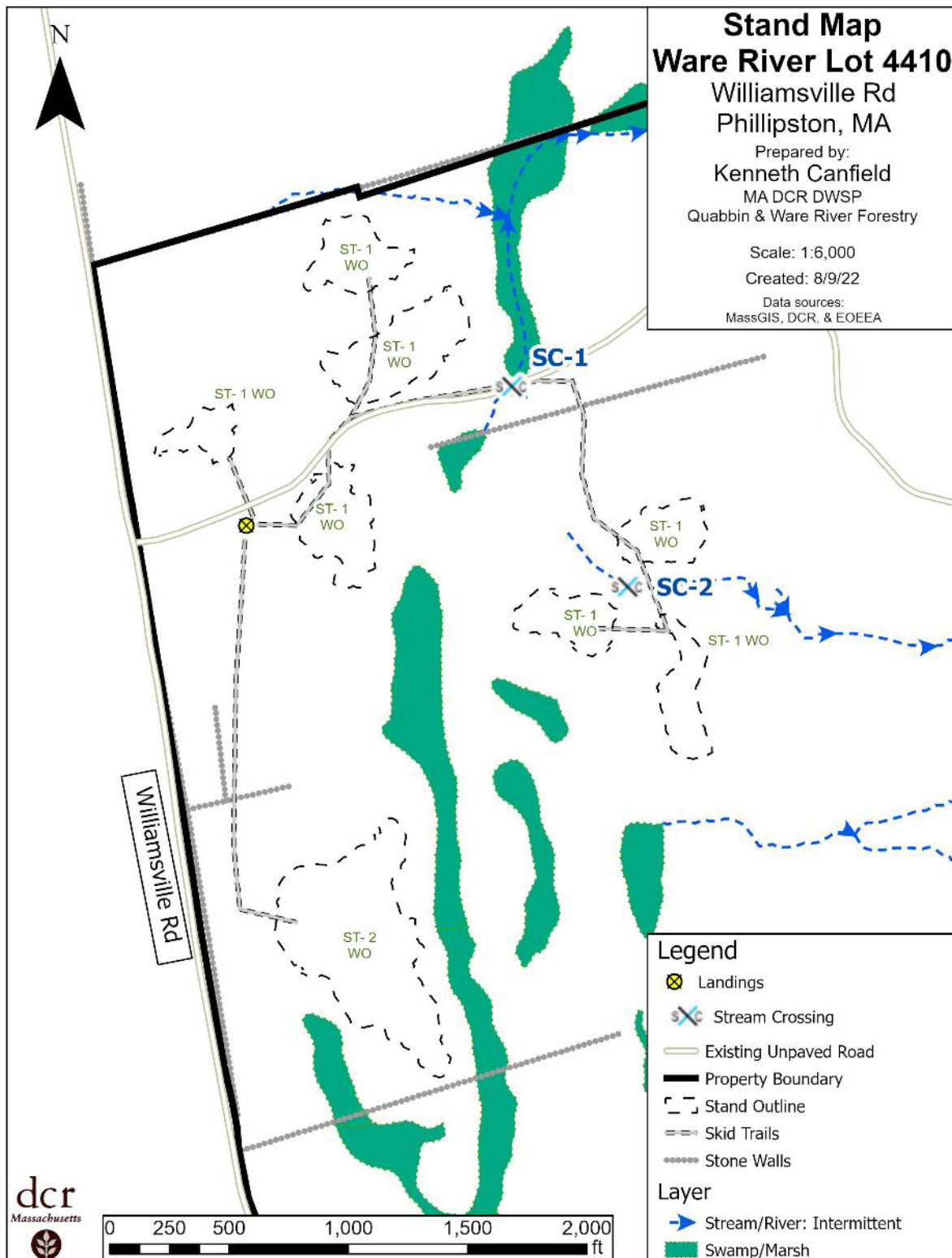

Stand No.

Desired Future Condition

Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory







dc



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

FILE # 235-34011-23

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  
Ware River #4410 lot.

Approval Date 8/31/22  
Director's Agent Andrew Raudcliff  
DCR Phone No. 617-549-1677

ISSUED BY:

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