

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

**Project Title: Williamsville Rd**

DWSP Harvest Permit Number: 4395

DWSP Proposal ID: WR-16-31-06

DCR Forest Cutting Plan File Number: 140-9109-18

***Site Information***

Watershed: Ware River Watershed

Town(s): Hubbardston

Acres: 25

Nearest Road: Williamsville Rd

Natural Heritage Atlas overlap?: No

Public Drinking Water Supply Watershed?: Yes

Forest Types: White Pine/Hardwood, Oak/hardwood

Area of Critical Environmental Concern (ACEC)?: No

Soils: 915E Montauk-Canton, 924 C Turnbridge-Lyman-Berkshire, 927C Montauk-Scituate-Canton, well drained

Wetland Resources: There is a large wetland present that will be avoided, as well as a few smaller wet areas. A stream leaving the wetland will be crossed.

Vernal Pools: Yes

***Harvest Information***

Harvest Start Date: 5/29/18

Harvest End Date: 8/28/18

Number of Wetland Crossings: None

Number of Stream Crossings: One

***Best Management Practices Applied***

Stream Crossings: There is one stream crossing.

Filter Strips: There is harvesting in a filter strip.

Wetland Crossings: There are no wetland crossings.

Harvesting in Wetlands: There is no harvesting in wetlands.

***DWSP Forester supervising this harvest***

Name: Ken Canfield

Forester License number: 431

Phone number: 857 274 7090

Email: [Kenneth.canfield@mass.gov](mailto:Kenneth.canfield@mass.gov)

**Narrative**

***General Description/Forest Composition/History***

The harvest area lies south of Willamsville Rd in Hubbardston. The access to this property is across a deeded right-of-way over abutting private property. Public access is not permitted on the right-of-way.

Much of this area was acquired in the 90's by DWSP. The previous landowner had harvested firewood on the property for decades. Most of what was left was low quality, old field white pine. DWSP did conduct one harvest at the time of acquisition but has not done any management since. The lot has large patches of healthy, diverse pole size regeneration that resulted from the last timber harvest. There are still large patches of forest that are dominated by old field white pine scattered throughout. Those patches will be targeted for removal.

Tree species present are white pine, white, red, black, and scarlet oak, red maple, hemlock, black cherry, American beech, pitch pine, and quaking aspen.

Invasive shrubs are relatively low, except adjacent to the existing field. Some scattered glossy buckthorn and Japanese barberry is present underneath the forest canopy in the harvest area. Invasive shrubs were hand-pulled during the marking of this lot. Harvesting trees in patches puts enough sunlight on the ground to create conditions that will help native tree species out-compete invasive shrubs over time.

The soil is 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.

This area was chosen because of the large patches of low-quality old field white pine. These types of stands are generally less diverse than other types of forests and are prone to damage during wind events.

### ***Silvicultural Objectives***

The main purpose of this harvest is to regenerate areas that are currently dominated by low quality, old field white pine, to create more diverse and resilient future forest stands. Two larger clearcut patches of 4.7 and 4.0 acres will be harvested, as well as twelve smaller patches that range in size 0.62 to 2.0 acres. Scattered overstory trees will be left within the patches for aesthetic purposes.

### ***Cultural Resources***

This land has been determined to not be culturally or archeologically sensitive based on a review by the DCR Archaeologist. Standard practice dictates that every effort is made to avoid disturbing stone walls and other cultural resources. One stonewall will have to be crossed.

***Rare or Endangered Species***

No known vernal pools are present within the lot. There are 2 vernal pools within 200 feet of the boundary of the lot. State CMP's and DWSP policy will be implemented to mitigate potential impacts to those areas. Natural Heritage Endangered Species Program (NHESP) does not show any rare habitat within the harvest area.

Figures

Figure 1. Final 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	<u>1001-10</u>	Case No.	_____
Date Rec'd	<u>10-12-2017</u>	Nat. Hert.	<u>NO</u>
Earliest Start	<u>11-12-2017</u>	Pub. Dr. Wat.	<u>NO</u>
River Basin	<u>010007E</u>	ACEC	<u>NO</u>
Gen. Obj.	<u>LOT</u>		

**Location**

Town Hubbardston

Road Williamsville Rd

Acres 25.2 Proposed Start Date 12/17

Vol. MBF 59.1 Vol. Cds. 367 Vol. Tons 1325

**Plan Preparer**

Name Kenneth W. Canfield

Address 578 Old Turnpike Rd

Town, State, Zip Oakham, MA 01068

Phone (508) 882-3636

Type of Preparer LF

\*Mass. Forester License # 431

\*Required for land under Ch61, Ch61A or Forest Stewardship

**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 CHRISTOPHER H. PIRNER

Address 152 WILLIAMSVILLE Rd.

Town, State, Zip HUBBARDSTON MA 01068

Phone 978-230-9916

Mass. Lic. Harvester # 2018-587 / 2019-587

\*\*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			
Existing Structure	NO			
Type of Bottom	ST			
Bank Height (ft)	< 1'			
Stabilization	SE			

**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 V.A.)	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				
Resid. Basal Area (>50%)				

**Service Forester Comments**

ALL SAID POINTS (TRAPS) ARE MISSING

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Codes**

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom	Note:
LF Mass. Lic. For	CJ Culvert	SS Seed	FR Frozen	LE 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 Conifer	OT Other	MU Mud	Consult MA Forestry BMP Manual for further information.
LO Landowner	PO Piled	ST Stone		GR Gravel	
OT Other	OT Other	HB Hay Bales		OT Other	

If Other (OT) is used in any category an explanation must be given on an attached narrative page

Forest Products

**Products to be Harvested\***

Species	Mb/Cds		Mb/Cds
White Pine	49.3Mbf	Red Maple	1.7 Mbf
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	3.3 Mbf
Hemlock		Black Oak	2.1 Mbf
Spruce		White Oak	
Other Sfld.		Other Hdwd.	
White Ash		Total Mbf	59.1
Beech		Cordwood (Cds)	367
White Birch		SW Pulp (Tons)	
B & Y Birch	0.4 Mbf	HW Pulp (Tons)	
Black Cherry	2.3 Mbf	Chips (Tons)	1325

\*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	WH	WH		
Acres	16.5	8.7		
Landowner Objective	LT	LT		
Designation of Trees	CT	LT		
Type of Cut	SE	CC		
Source of Regeneration	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)

11-3-17  
Date

Service Forester

**Determination and Status** #143-9109-18

Approved  Disapproved  Expires 11-6-2019

Signature of Service Forester/Director's Agent

11-13-2017  
Date

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

Amendment App 1  Dis 1  App 2  Dis 2  1

**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

8-27-2018  
Date

Codes

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 Harvest:	AD	Advanced	
WK	WP/Hem	EH	Hem/Hdwd	RM	Red Maple	LT	Leave Tree	ST	Seed Tree	CT	Commercial Thin	SD	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	SL	Selection	NS	Non-Standard Systems*	CO	Coppice
RP	Red Pine	OH	Oak/Hdwd	SM	Sugar Maple	LO	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 DCR - DWSP

Town Hubbardston

File Number 140-9079-18

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 is comprised of twelve group selection openings of less than 2.0 acres. 5 to 10 square feet of basal area per acre of overstory trees will be retained within each group for aesthetic purposes. Trees marked with orange paint will be retained around the edge of each group and within each group. Trees to be cut are marked with blue paint.

Stand 2 is comprised of two clearcuts that are 4.7 and 4.0 acres in size. 5 to 10 square feet of basal area per acre of overstory trees will be retained within both clearcuts for aesthetic purposes. Trees marked in orange paint will be retained around the edges of, and within, both clearcuts. The outside edges of both clearcuts have also been flagged with orange

flagging. Skid trails have been flagged with yellow "skid trail" flagging and marked with 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 (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

**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)	VA					

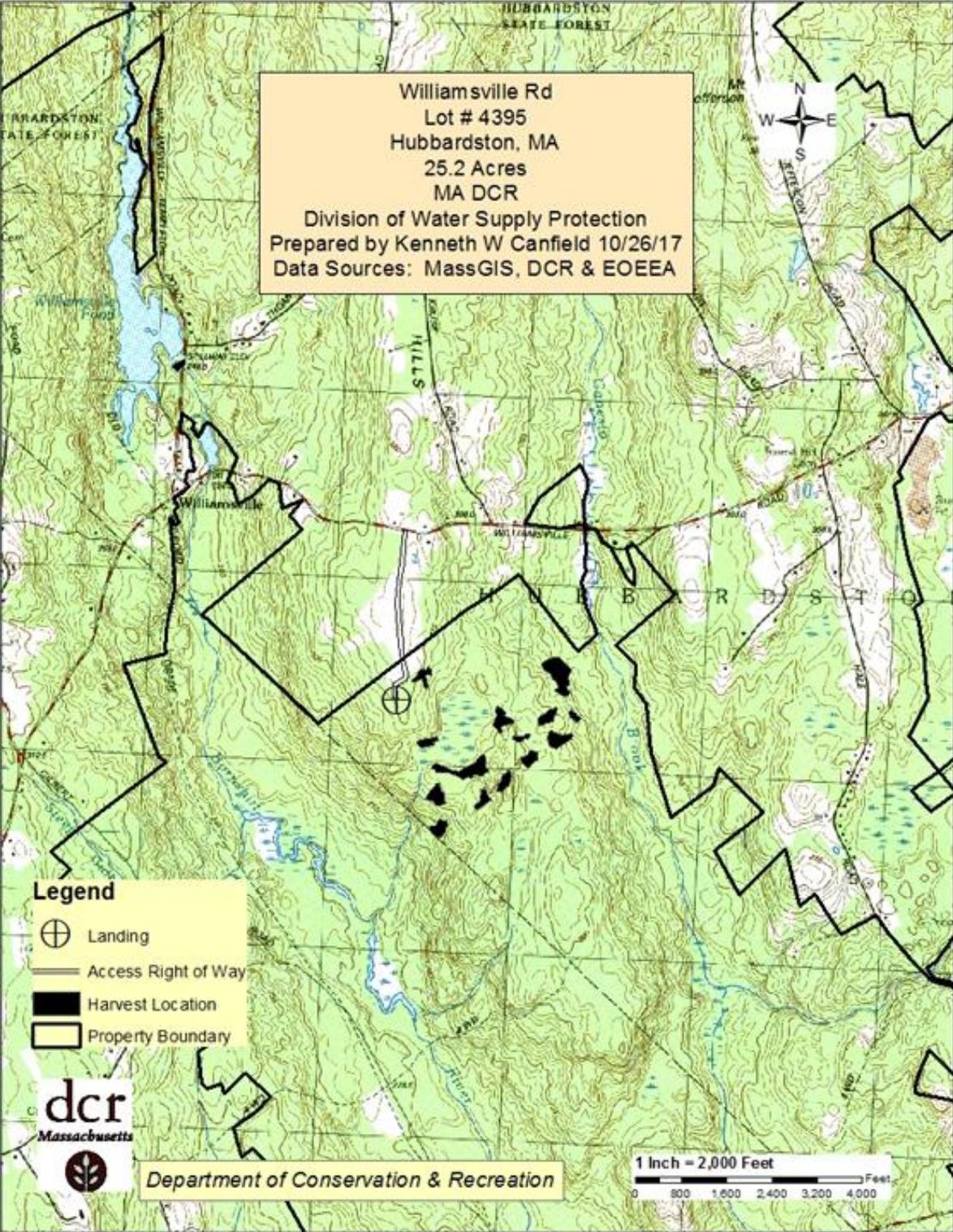
**Harvesting in Wetlands**

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%)						

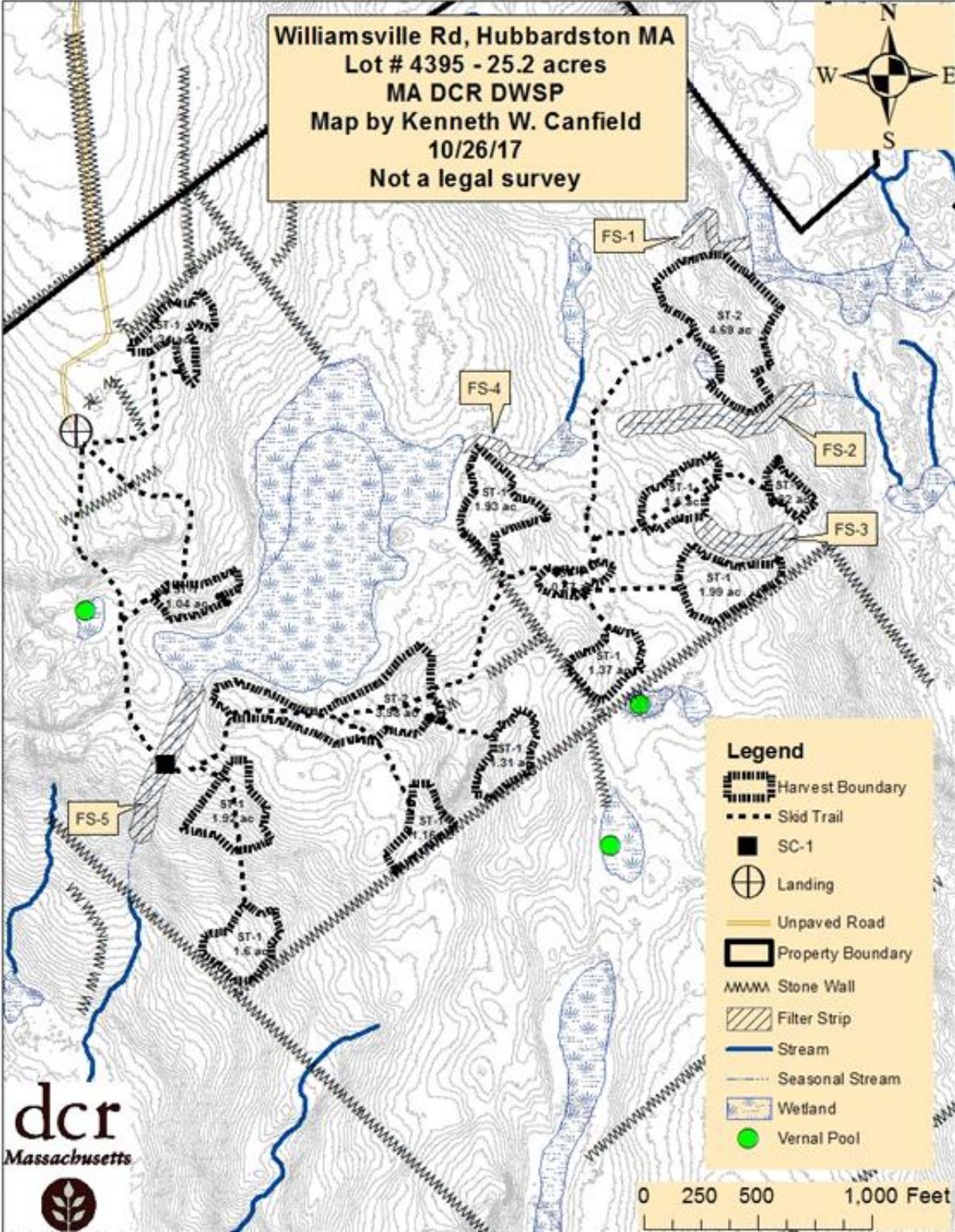
**Codes**

Type of Crossing	Stabilization	Mitigation	Type of Bottom	Note:
CU Culvert	SE Seed	FR Frozen	LE ledge	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.
BR Bridge	MU Mulch	DR Dry	ST Stony	
FD Ford	CO Corduroy	OT Other	MU Mud	
PO Piled	ST Stone		GR Gravel	
OT Other	HB Hay Bales		OT Other	
	OT Other			

If Other (OT) is used in any category an explanation must be given on narrative page



Williamsville Rd, Hubbardston MA  
 Lot # 4395 - 25.2 acres  
 MA DCR DWSP  
 Map by Kenneth W. Canfield  
 10/26/17  
 Not a legal survey



- Legend**
- Harvest Boundary
  - Skid Trail
  - SC-1
  - Landing
  - Unpaved Road
  - Property Boundary
  - Stone Wall
  - Filter Strip
  - Stream
  - Seasonal Stream
  - Wetland
  - Vernal Pool





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

FILE # 140-9109-18

**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 BELCHERTOWN in accordance with the  
(Name of Owner) (Address)

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

Approval Date 11-13-2017

Director's Agent MICHAEL DOWNEY

DCR Phone No. 978-368-0126

ISSUED BY:

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