

# 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 303.26801.20 Case No. 303-10381  
Date Rec'd 04/14/2020 Nat. Hert. False  
Earliest Start 04/30/2020 Pub. Dr. Wat. -  
River Basin - ACEC -  
Gen. Obj. LT

## Site Information

### Location

Town Upton  
Road Grafton  
Acres 91.00 Proposed Start Date 06/04/2020  
Vol. MBF 166.350 Vol. Cds. 785 Vol. Tons 0

### Plan Preparer

Name Philip B. Benjamin  
Address 151 Depot Street

Town, State, Zip South Easton MA 02375  
Phone 508-238-0422

Type of Preparer LF

\*Mass. Forester License # 15

\*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				
Existing Structure				
Type of Bottom				
Bank Height (ft)				
Stabilization				

### Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing	30.00	30.00	25.00	
Mitigation	FR,DR	FR,DR	FR,DR	
Stabilization	CO	CO	CO	

### Filter Strips

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

## Codes

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	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	19.600	Red Maple	5.425
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	41.365
Hemlock		Black Oak	99.595
Spruce		White Oak	
Other Sftwd.		Other Hdwd.	
White Ash		Total Mbf	166.350
Beech		Cordwood (Cds)	785.000
White Birch	0.150	SW Pulp (Tons)	
B & Y Birch	0.215	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	OM	WP	OH	OM
Acres	64.900	5.500	8.900	11.900
Landowner Objective	LT	LT	LT	LT
Designation of Trees	CT	CT	CT	CT
Type of Cut	SE	SE	SE	ST
Source of Regeneration	SE	AD	AD	AD,CO

**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.

*Logos uploaded*

05/15/2020

Signature of landowner(s)

Date

**Determination and Status**

	Approved	Disapproved	Expires
Cutting Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>04/14/2022</u>

<i>John FaChane</i>	05/15/2020
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Signature of Service Forester/Director's Agent

Date

Extension	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Expires	Ser. For. Ints.
Amendment	App 1 <input type="checkbox"/>	Dis 1 <input type="checkbox"/>	App 2 <input type="checkbox"/>	Dis 2 <input type="checkbox"/>

**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	<u>Landowner Objective</u>	SA Salvage	CO Direct Seed				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 6

## 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	SC-8	SC-9	SC-10
Width (50',100' or VA)						

## Harvesting in Wetlands

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

Amendment	App 3	Dis 3	App 4	Dis 4	/
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	App 5	Dis 5	App 6	Dis 6	/
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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
BR Bridge	MU Mulch	DR Dry	ST Stony	before plan may be approved and cutting may begin.
FO Ford	CO Corduroy	OT Other	MU Mud	Some forestry activities, such as prescribed burning and
PO Poled	ST Stone		GR Gravel	pesticide or fertilizer application may require additional permits.
OT Other	H8 Hay Bales		OT Other	Consult MA Forestry BMP Manual for further information.
	OT Other			

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	Town of Upton
Town	Upton
File Number	303.26801.20

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.

See narrative pg upload for BMP's

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	

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	
ST-1	The stand will consist of varying densities of mixed oak and other occasional mixed hardwood poles and sawlogs as well as individual and small to medium pockets of white pine saplings, poles
ST-2	This stand will consist of an aesthetically appealing mix of well-spaced, better formed white pine poles and sawlogs with infrequent mixed oak and mixed hardwood saplings, poles, and sawlogs.
ST-3	The stand will consist of varying densities of better formed mixed oak and other mixed hardwood poles and sawlogs with a developing component of mixed oak, mixed hardwood, and white pine
ST-4	This stand will consist of dense sapling growth, both single stems and stump sprouts, of mixed oaks and occasional red maple and other mixed hardwoods. Very infrequent white pine seedlings and

# Forest Cutting Plan

Narrative Page

Landowner	Town of Upton
Town	Conservation Commission
File Number	Upton
	303-26801-20

This project has been marked in an effort to begin to satisfy the management prescriptions as outlined in the Forest Stewardship Plan for the Warren Brook Watershed Conservation Area off Grafton Street in North Upton. The marking is designed to improve the growing conditions of the legacy trees and future crop trees within the treatment area. This will be accomplished through the removal of individual and small groups of mixed hardwood and occasional white pine sawlogs for lumber as well as poor quality hardwoods for firewood. This work will improve the spacings between the retained trees, helping to reduce the stress associated with overstocking. Although quite a few of those hardwoods that have died recently due to insect defoliations in combination with droughty summers will be removed, many others will be left behind to serve as cavity trees for the wildlife in the area.

The removals will also enhance the growing conditions of the young hardwood and white pine saplings and small poles. Although some of these young trees will be damaged or destroyed during the project, the opportunity for the natural regeneration of the oaks and white pine will be greatly improved with the exposed mineral soil and added sunlight. The older white pines within the treatment area have a moderate amount of first year white pine cones that will be maturing during the summer of 2020. The seeds that drop will be able to take advantage of the disturbed soil for improved germination. The opportunity for better oak regeneration will also be improved with the creation of occasional, slightly larger openings that will enjoy more sunlight for a longer period of time while the oaks germinate and begin to develop their root systems.

In addition to the individual and small group selection harvest and improvement thinning, two areas have been identified and marked for the creation of early successional habitat by using the seed tree harvest silvicultural method. With the exception of leaving 4 trees per acre of trees greater than 20" dbh or 12 trees between 14" and 20" in dbh per acre, all trees greater than 4 inches in diameter will be removed in an effort to increase the habitat diversity within the property. The responding dense growth of young tree stems will be hugely helpful in attracting and retaining those species of wildlife that require that type of habitat for nesting, feeding, and cover.

There are several stretches along the existing wood roads that tend to be seasonally wet during periods of high precipitation. The lack of any defined channel identify these as ephemeral wetlands. The loggers will protect these areas with a combination of log corduroy, timber mats, and/or steel plates that will ensure the water flow is uninterrupted and silt-free as the flows cross the existing wood roads. It should be noted that there are occasional lower areas through the treatment area that tend to be seasonally wet and have not been marked for the project. Trees adjoining these seasonally wet areas have been marked to be felled away from any of these areas.

Locus Map

Warren Brook Watershed Conservation Area  
Upton, Massachusetts

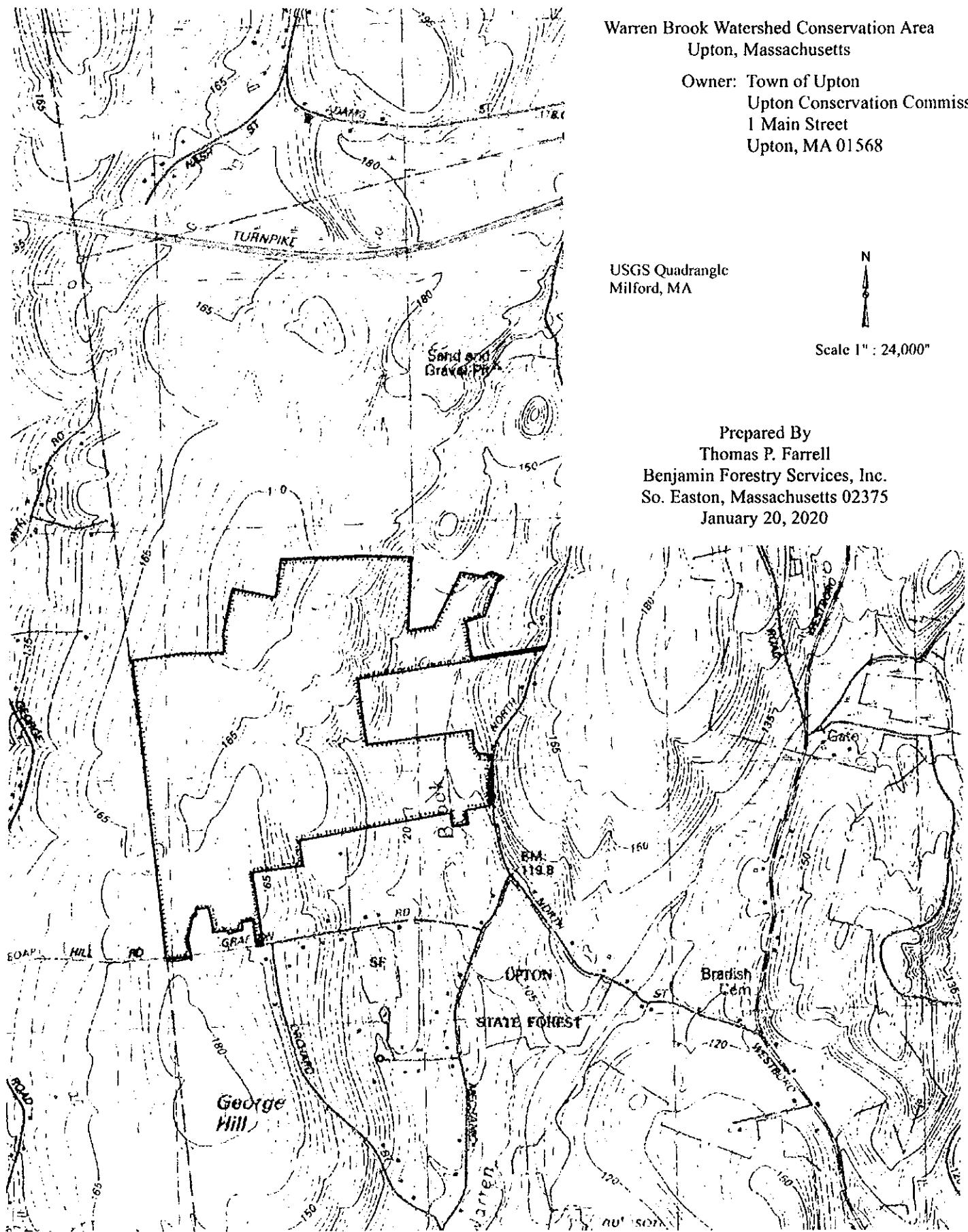
Owner: Town of Upton  
Upton Conservation Commission  
1 Main Street  
Upton, MA 01568

USGS Quadrangle  
Milford, MA



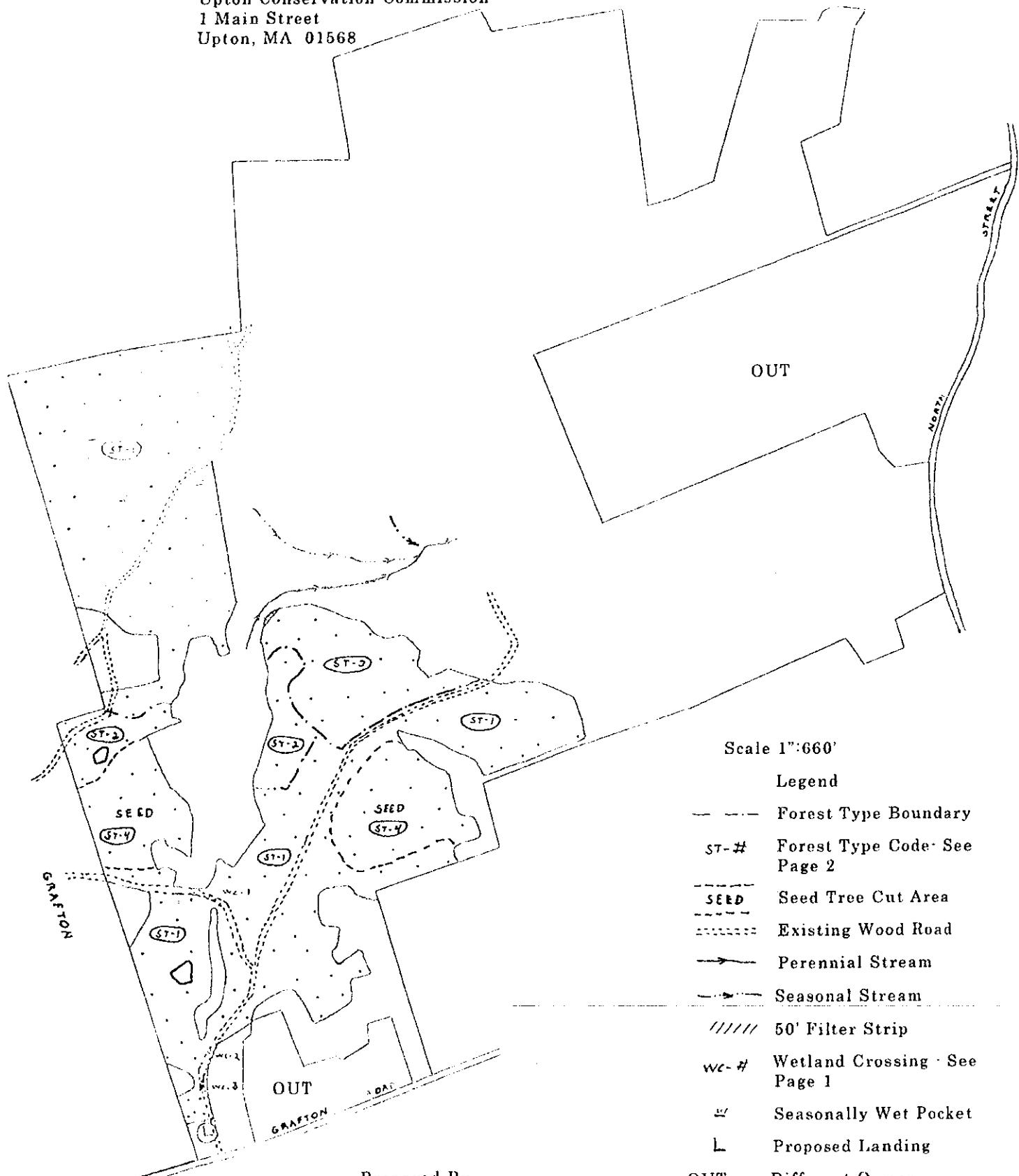
Scale 1" : 24,000"

Prepared By  
Thomas P. Farrell  
Benjamin Forestry Services, Inc.  
So. Easton, Massachusetts 02375  
January 20, 2020



Warren Brook Watershed Conservation Area  
Upton, Massachusetts

Owner: Town of Upton  
Upton Conservation Commission  
1 Main Street  
Upton, MA 01568



Prepared By  
Philip B. Benjamin, CF and Thomas P. Farrell  
Benjamin Forestry Services, Inc.  
So. Easton, Massachusetts 02376  
January 30, 2020

Scale 1":660'  
Legend  
— — — Forest Type Boundary  
ST-# Forest Type Code - See Page 2  
SEED Seed Tree Cut Area  
- - - - - Existing Wood Road  
— Perennial Stream  
— - - Seasonal Stream  
// / / / / 50' Filter Strip  
WC-# Wetland Crossing - See Page 1  
S Seasonally Wet Pocket  
L Proposed Landing  
OUT Different Owner  
- - - - - Treatment Area

**dcr**  


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

**FILE # 3003-200801-20**

## 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 Upton Con. Comm. Upton, MA in accordance with the  
(Name of Owner) Clinton <sup>(Address)</sup>

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  
Grafton lot.

Approval Date 5.15.20  
Director's Agent Guy LaChance  
DCR Phone No. 508-793-7714 x130

ISSUED BY:



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