

Forest Cutting Plan

Landowner Information Sheet for
Chapter 132 – The Forest Cutting
Practices Act, 304 CMR 11.00

Effective Date: 1/1/04

Please Read **BEFORE** signing your Cutting Plan and keep
for your own records.

If you have any questions, call the nearest DCR regional
office (listed on page 2) or

1 800-783-2311

<http://www.state.ma.us/dem/forestry/programs/index.htm>

Landowner Information Sheet - Please Read Before Signing Cutting Plan

The Massachusetts Forest Cutting Practices Act:

The Massachusetts Forest Cutting Practices Act (the “Act”) requires the improvement, maintenance, and protection of forest lands for the purpose of conserving water, preventing floods and soil erosion, improving the conditions for wildlife and recreation, protecting and improving air and water quality, and providing a continuing and increasing supply of forest products. The Act requires that a Forest Cutting Plan be filed with the appropriate Department of Conservation and Recreation (DCR) Regional office before harvesting timber to ensure that these values are protected. The cutting plan is meant to satisfy the law, reflect **your objectives for your land**, and help you understand the proposed harvest.

Your Objectives:

The most important information on a Forest Cutting Plan is the landowner’s objectives. You will be asked to choose between Long-term Forest Management or a Short-term Harvest. This choice 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.** You will indicate your objective by checking one of two boxes in the Landowner Signature Section on page 4. Information on the two choices is provided below.

Long-term Forest Management

Long-term Forest Management means the planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income from harvesting activity, maintain or enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products such as maple syrup.

This strategy employs the science and art of forestry to help you manage your property to achieve multiple objectives, preserve future management options, and maximize economic return.

Short-term Harvest

Short-term Harvest means the selection of trees for cutting based on the economic value of individual trees which commonly results in a residual forest stand dominated by poor quality trees and low value species. While this strategy produces immediate income and meets the **minimum** standards of the act, it does little to improve the future condition of the forest. A Short-Term harvest can limit future income and management options by:

- Removing trees before they reach economic maturity
- Leaving little value for future harvests
- Retaining slow growing or poor quality trees
- Removing mostly large diameter or high value species (such as oak) that could act as a seed source for growing future high quality trees or provide food for wildlife

As the landowner, the type of management implemented on your property is ultimately your decision. The DCR hopes you will consider taking a long-term management approach, but most importantly, we want you to make an informed decision by having your forest management options explained. DCR service foresters can provide more information about these options. Contact the nearest office listed below.

Your Responsibilities

A harvest of forest products can have significant impact on your forest and your finances. The cutting plan identifies the standards for cutting, logging, and engineering minimally necessary for protecting the named public values established in the Forest Cutting Practices Act (MGL Ch 132). It is your responsibility to ensure that the harvesting activity complies with the approved forest cutting plan.

The DCR recommends that landowners protect their interests when selling timber. You are encouraged to explore all your options including hiring a licensed professional to plan, oversee or conduct your timber sale, obtaining competitive proposals from licensed foresters for their professional services or inviting competitive bids from licensed loggers. In addition, you should have a separate timber sale contract that addresses your own expectations for items such as payment schedules, road conditions, aesthetics, and other concerns not covered by the Forest Cutting Practices Act and its regulations.

A Forest Management Plan (Chapter 61, Chapter 61A, Forest Stewardship Plans)

The DCR recommends the best way to make decisions about implementing long-term objectives is within the framework of a forest management plan prepared by a Massachusetts licensed forester. Forest management plans provide you with maps, forest stand descriptions, and management recommendations based on objectives that you identify. A forest management plan is one requirement to receive favorable tax treatment for your forestland under M.G.L. Chapter 61 or Chapter 61A. You may also elect to join the Forest Stewardship Program, in which cost-sharing may reimburse a portion of the expense of having a forest management plan prepared. This Stewardship Plan makes you eligible to receive additional cost-share to do a variety of forest management practices. Current DCR policy stipulates that forest cutting plans for forest lands classified under Ch. 61 or 61A or certified under the Forest Stewardship Program must be prepared by a Massachusetts licensed forester or the landowner. Contact a DCR service forester for more information on all of these programs, or visit our website at <http://www.state.ma.us/dem/forestry/programs/index.htm> and click on Service Forestry.

DCR Regional Offices

Southeastern Massachusetts
Region 1 Headquarters
(508) 866-2580

Northeastern Massachusetts
Region 2 Headquarters
(978) 369-3350

Central Massachusetts
Region 3 Headquarters
(978) 368-0126

Connecticut Valley
Region 4 Headquarters
(413) 545-5993

Berkshires
Region 5 Headquarters
(413) 442-8928

If you are not sure which
office to call dial:
(800) 783-2311

Forest Cutting Plan

and Notice of Intent under M.G.L.
Chapter 132 – The Forest Cutting
Practices Act, 304 CMR 11.00
(Effective Date: 1/1/04)

For DCR Use Only:

File Number _____ Case No. _____
 Date Rec'd _____ Nat. Hert. _____ / _____
 Earliest Start _____ Nat. Hert. Imp. _____
 River Basin _____ Pub. Dr. Wat. _____
 Gen. Obj. _____ ACEC _____

Site Information

Location

Town Haverhill
 Road Kenoza Street
 Acres 51 +/- Proposed Start Date 11/1/2013
 Vol. MBF 317+/- Vol. Cds. 285+/- Vol. Tons 1,260+/-

Plan Preparer

Name Gary H. Gouldrup, NEFCo
 Address 72 Townsend Street
 Town, State, Zip Pepperell, MA 01463
 Phone 978-433-8780
 Type of Preparer Mass. Licensed Forester - LF
 *Mass. Forester License # 81
 *Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name City of Haverhill
 Mailing Address C/o Robert Moore
City Hall Room 210, 4 Summer Street
 Town, State, Zip Haverhill, MA 01830
 Phone 978-374-2334
 Ch61 Ch61A CH61B Stew *Case # _____
 FSC GC 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.

Best Management Practices

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	BR	BR	BR	NA
Existing Structure	No	No	No	
Type of Bottom	STMU	STMU	STMU	
Bank Height (ft)	1'	1'	1'	
Stabilization	MUCO	MUCO	MUCO	

Harvesting in Wetlands

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)	HH	NA	NA	NA
Acres to be Harvested	0.50			
Resid. Basal Area (>50%?)	No			

Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4	WC-5
Length of Crossing	NA	NA	NA	NA	NA
Mitigation					
Stabilization					

Filter Strips

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

Service Forester Comments

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	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	1.00 +/-	Red Maple	1.00+/-
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	0.50 +/-
Hemlock	312.00+/-	Black Oak	0.50 +/-
Spruce	1.00+/-	White Oak	0.50 +/-
Other Sftwd.		Other Hdwd.	0.50 +/-
White Ash		Total Mbf	317.0 +/-
Beech		Cordwood (Cds)	25+/-
White Birch		HK Pulp (Cds)	260+/-
B & Y Birch		HW Pulp (Tons)	
Black Cherry		Chips (Tons)	1,260+/-

*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	HH	HH	HK	NA
Acres	28+/-	5+/-	18+/-	
Landowner Objective	LT	LT	LT	
Designation of Trees	OT	OT	OT	
Type of Cut	SA	SA	SA	
Source of Regeneration	AD-SE	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)

Date 10/23/2013

Determination and Status

	Approved	Disapproved	Expires	
Cutting Plan	<input type="checkbox"/>	<input type="checkbox"/>	_____	
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

<u>Forest Types</u>	WP White Pine	HK Hemlock	OM Mixed Oak	CT Cut Tree	<u>Designation of Trees</u>	SH Shelterwood	<u>Type of Cut</u>	AD Advanced	<u>Source of Regeneration</u>
	WK WP/Hem	HH Hem/Hdwd	RM Red Maple	LT Leave Tree		ST Seed Tree		SE Natural Seed	
	WH WP/Hdwd	BC Blek Cherry	BE Beech	SB Stand Boundary		CC Clear Cut		PL Plant	
	WO WP/Oak	BB Bee/Bir/Map	SF Spruce/Fir	OT Other		SE Selection		CO Coppice	
	RP Red Pine	OH Oak/Hdwd	SM Sugar Maple	<u>Landowner Objective</u>		SA Salvage		DS Direct Seed	
	SR Red Spruce	OR N Red Oak	PP Pitch Pine	LT Long-term Mgt.		SN Sanitation		OT Other	
				ST Short-term Har.					

*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: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner City of Haverhill

Town Haverhill

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.

- 1) Flag skid trails prior to harvesting
- 2) Skid timber when ground conditions are dry, frozen or otherwise stable.
- 3) Whole-tree chipping will be conducted during the harvest for fire protection and aesthetic purposes.
- 4) Erosion control measures in the form of silt fences, hay bales, water bars, wood chips, course woody debris, etc. will be installed along Kenoza Lake as deemed necessary by the Haverhill Conservation Department (See Page 6 for erosion control details).

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.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
ST-1	Hemlock-WP-MH	All Sizes	Poor Quality, Hazard Trees & Hemlock Wooly Adelgid Infested Trees.	65%
ST-2	Hemlock-WP-MH	All Sizes	Poor Quality, Hazard Trees & Hemlock Wooly Adelgid infested Trees	35%
ST-3	Hemlock	All Sizes	Poor Quality, Hazard Trees & Hemlock Wooly Adelgid infested Trees	50%

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
ST-1	SE	Basal Area will be reduced from 173 square feet per acre to 50 square feet per acre on average and the distribution of residual trees will NOT be uniform. Open patches will result in some areas from the removal of the entire hemlock overstory. The residual stand will consist of white pine, mixed oak and mixed hardwood poles and sawtimber with an average DBH of 14" with approximately 45 trees per acre.
ST-2	SE	Basal Area will be reduced from 90 square feet per acre to 60 square feet per acre on average and the distribution of residual trees will NOT be uniform. Open patches will result in some areas from the removal of the entire hemlock overstory. The residual stand will consist of white pine, mixed oak and mixed hardwood poles and sawtimber with an average DBH of 10" with approximately 110 trees per acre.
ST-3	SE	Basal Area will be reduced from 173 square feet per acre to 86 square feet per acre on average 50%. The residual stand will consist of Hemlock poles and sawtimber with an average DBH of 14" with approximately 76 trees per acre. This stand is on the steep slopes (>30%) and along filter strip areas of Kenoza Lake.

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
1-3	See Forest Stewardship Plan on file with DCR and the Haverhill Conservation Department. See Page 6 as well.

See Page 6 for Salvage Operation Details

Forest Cutting Plan

Narrative Page (Effective Date: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner City of Haverhill

Town Haverhill

File Number _____

Regeneration & Future Condition

Erosion Control Measures:

Salvage operations will limit harvesting to no more than 50% of the filter strips along Kenoza Lake (FS-2) and the seasonal stream along (FS-3). Silt fences, hay bales, wattle, and biodegradable erosion control fabrics will all be potentially used along the edges of Kenoza Lake to prevent runoff debris and silt that could possibly enter the Lake as a result of timber removal. Some of these devices will be installed before and immediately after the salvage operation is completed. Course woody debris, portions of trees, and potentially wood chips will be left on the steepest slopes along FS-2 and FS-3. Water bars will be installed per BMP standards on the main skid trails and steep slopes.

Desired Future Condition:

The desired future condition is an area that is no longer a threat from hazard trees, forest fire, and erosion from Hemlock blow-downs. The desire is to have the site stabilized and fully regenerated with natural regeneration and vegetation by the end of the summer of 2014.

Stand Type 3 (ST-3):

A second salvage operation may be necessary in ST-3. The hope is to have natural regeneration established in the steep sloped areas (>30%) and along Kenoza Lake before the remaining infested hemlock trees are removed in approximately 3-5 years. The healthiest 50% and most wind resistant hemlocks will be left to provide stabilization to the steep sloped areas and to reduce the velocity and flow of water entering Kenoza Lake.

BOUNDARY & STAND TYPE MAP

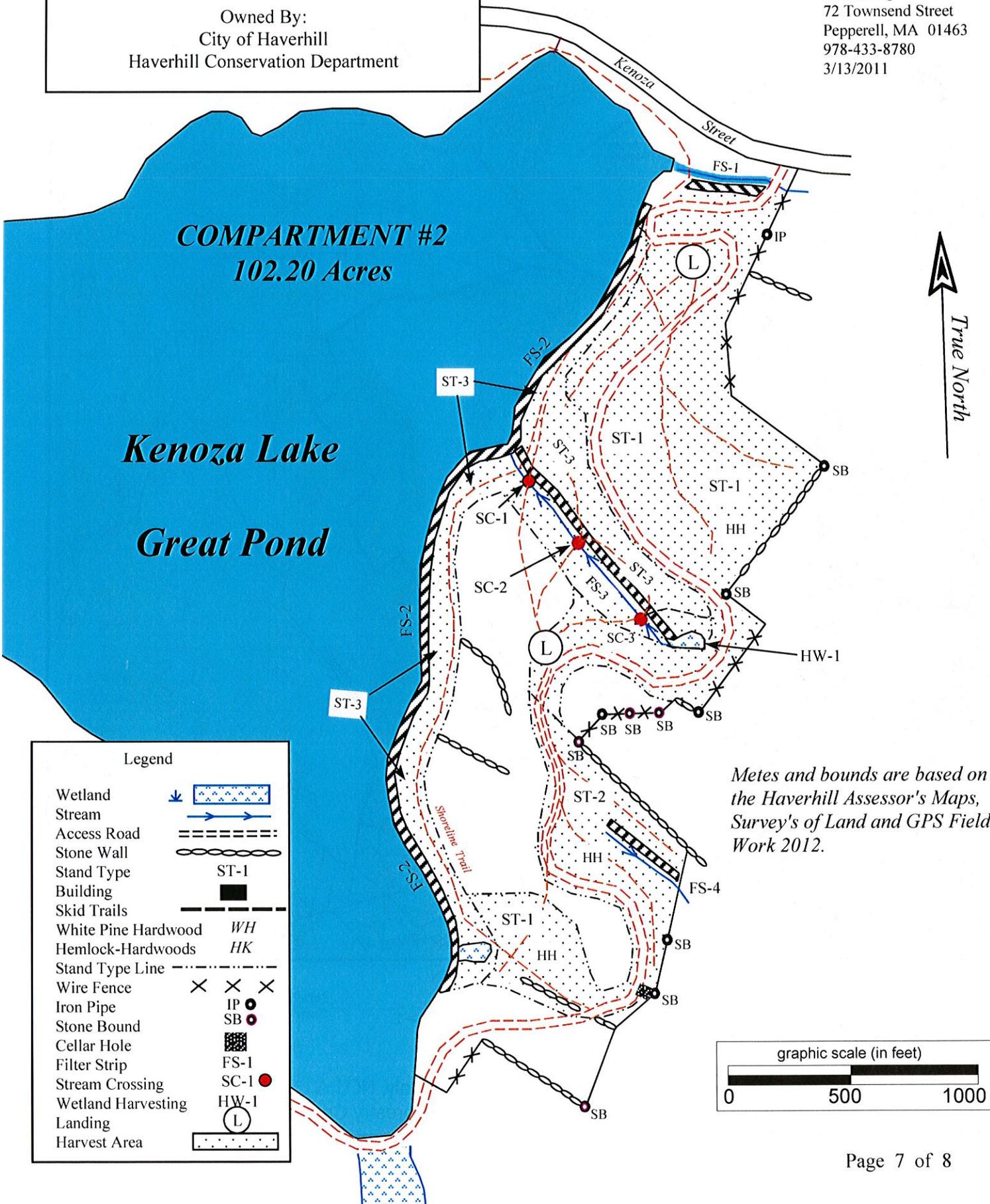
Land in Haverhill, MA
Winnekenni Park & Plug Pond Conservation Area

Owned By:
City of Haverhill
Haverhill Conservation Department

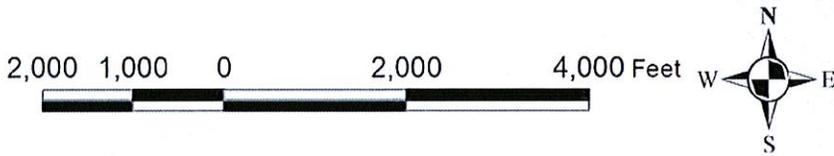
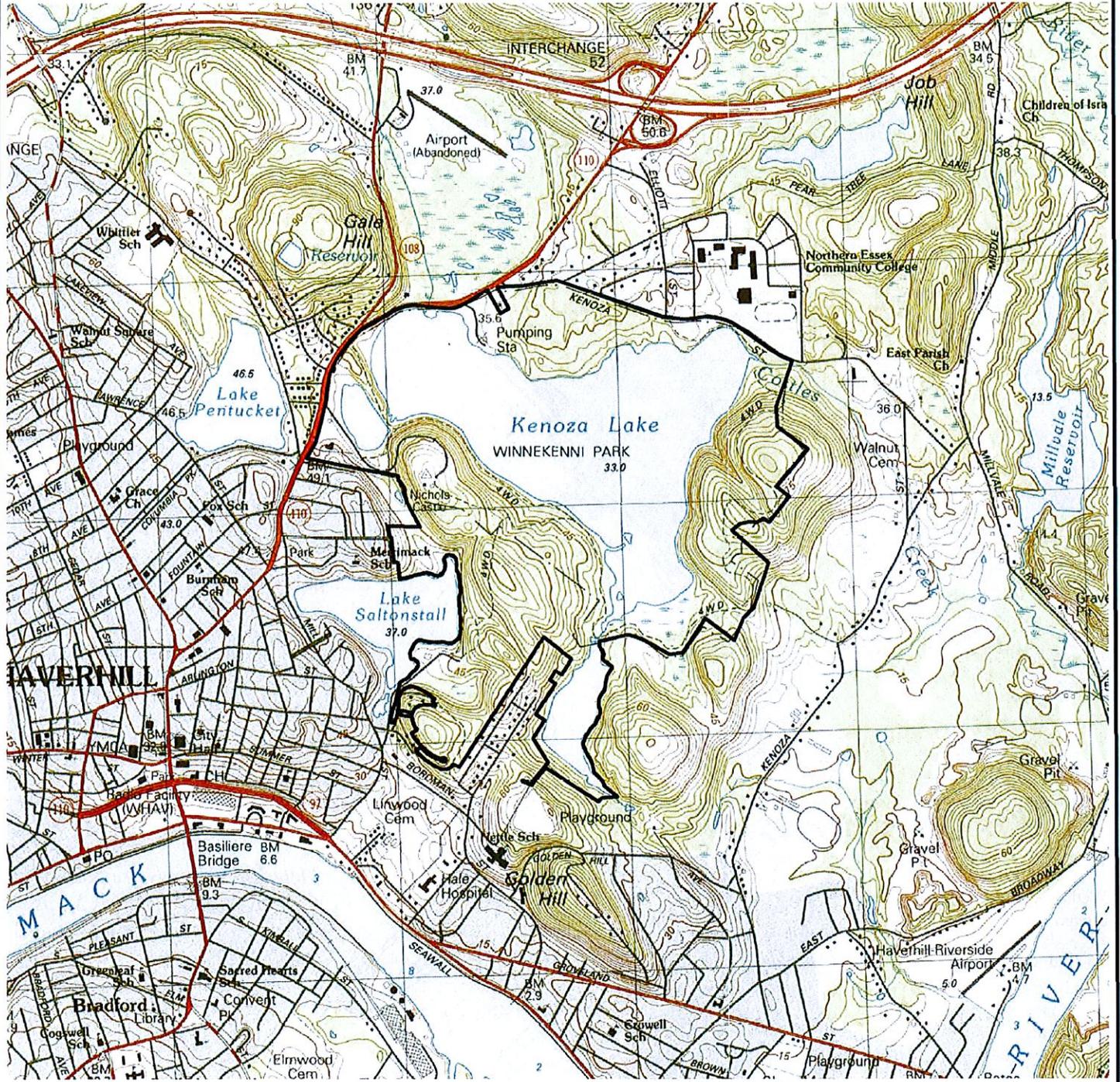


New England
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3/13/2011



City of Haverhill
 Winnekenni Park & Plug Pond Conservation Area
 Haverhill, MA
 Topographic Map



Prepared by:
 New England Forestry Consultants, Inc
 Sherman R. Small, Consulting Forester
 Maine License # LF655
 New Hampshire License # 409
 March 19, 2012

Sketch map for management and planning purposes only, NOT A LEGAL SURVEY
 Data obtained from MASS GIS, & New England Forestry Consultants, Inc.