

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)

11-20-2006

TIMBER LOT 3109

For DCR Use Only:

File Number 234-2802-7 Case No. N/A
 Date Rec'd 11-20-06 Nat. Hert. yes
 Earliest Start 12-6-06 Nat. Hert. Imp. yes
 River Basin Chicopee Pub. Dr. Wat. Quabbin
 Gen. Obj. LT ACEC NO

Site Information

Location

Town Petersham
 Road Gate 40
 Acres 115 Proposed Start Date _____
 Vol. MBF 333 Vol. Cds. 359 Vol. Tons 523

Plan Preparer

Name Derek Beard
 Address DCR/Division of Water Supply Protection
21 Elm Street
 Town, State, Zip New Salem, MA 01355
 Phone 978-544-6343
 Type of Preparer Mass. Licensed Forester
 *Mass. Forester License # 14
 *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 Ch61A Stew *Case # _____
 Est. Stumpage Value _____

Licensed Timber Harvester**

Name NHP Inc.
 Address P.O. Box 489
 Town, State, Zip Henniker, NH 03242
 Phone 603-428-3298
 Mass. Lic. Harvester # 2010-1247

**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	
Existing Structure	N	N	N	
Type of Bottom	ST	ST	MU	
Bank Height (ft)	1'	1'	<1'	
Stabilization	CO	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	FS-5
Width (50', 100', or VA)	50'	50'	50'	50'	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

Follow NHESP C.M.P
for Common Loon and
Bald Eagle copy attached
K. Valcourt

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

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.

Products to be Harvested*

Species	Mbf/Cds		Mbf/Cds
White Pine	142	Red Maple	
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	52
Hemlock	50	Black Oak	38
Spruce		White Oak	22
Other Sftwd.		Other Hdwd.	13
White Ash		Total Mbf	333
Beech		Cordwood (Cds)	359
White Birch		SW Pulp (Tons)	523
B & Y Birch	16	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	HH	HH	WP/OM	WP/OM
Acres	8	6	65	36
Landowner Objective	LT	LT	LT	LT
Designation of Trees	CT	CT	CT	CT
Type of Cut	SE	SE	SE	SE
Source of Regeneration	SE	SE	SE	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
 Managed 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 specie

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.

William E. Pelt 11-8-06
 Signature of landowner(s) Date

Determination and Status

Approved Disapproved Expires 11-20-08

Cutting Plan 1-08-07

Richard Valour 1-08-07
 Signature of Service Forester/Director's Agent 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	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP/Hdwd	SB Stand Boundary	CC Clear Cut	PL Plant
WO WP/Oak	OT Other	SE Selection	CO Coppice
RP Red Pine	<u>Landowner Objective</u>	SA Salvage	DS Direct Seed
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	OT Other
HK Hemlock			
HH Hem/Hdwd			
BC Blck Cherry			
BB Bee/Bir/Map			
OH Oak/Hdwd			
OR N Red Oak			
OM Mixed Oak			
RM Red Maple			
BE Beech			
SF Spruce/Fir			
SM Sugar Maple			
PP Pitch Pine			
		Intermediate Harvests:	
		CT Commercial Thin	
		NT Non Com Thin	
		Non-Standard Systems:*	
		HG Highgrade*	
		DL Diameter Limit*	

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 3109 DCR-DWSP
 Town PETERSHAM
 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.

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
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

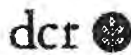
Regeneration & Future Condition

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

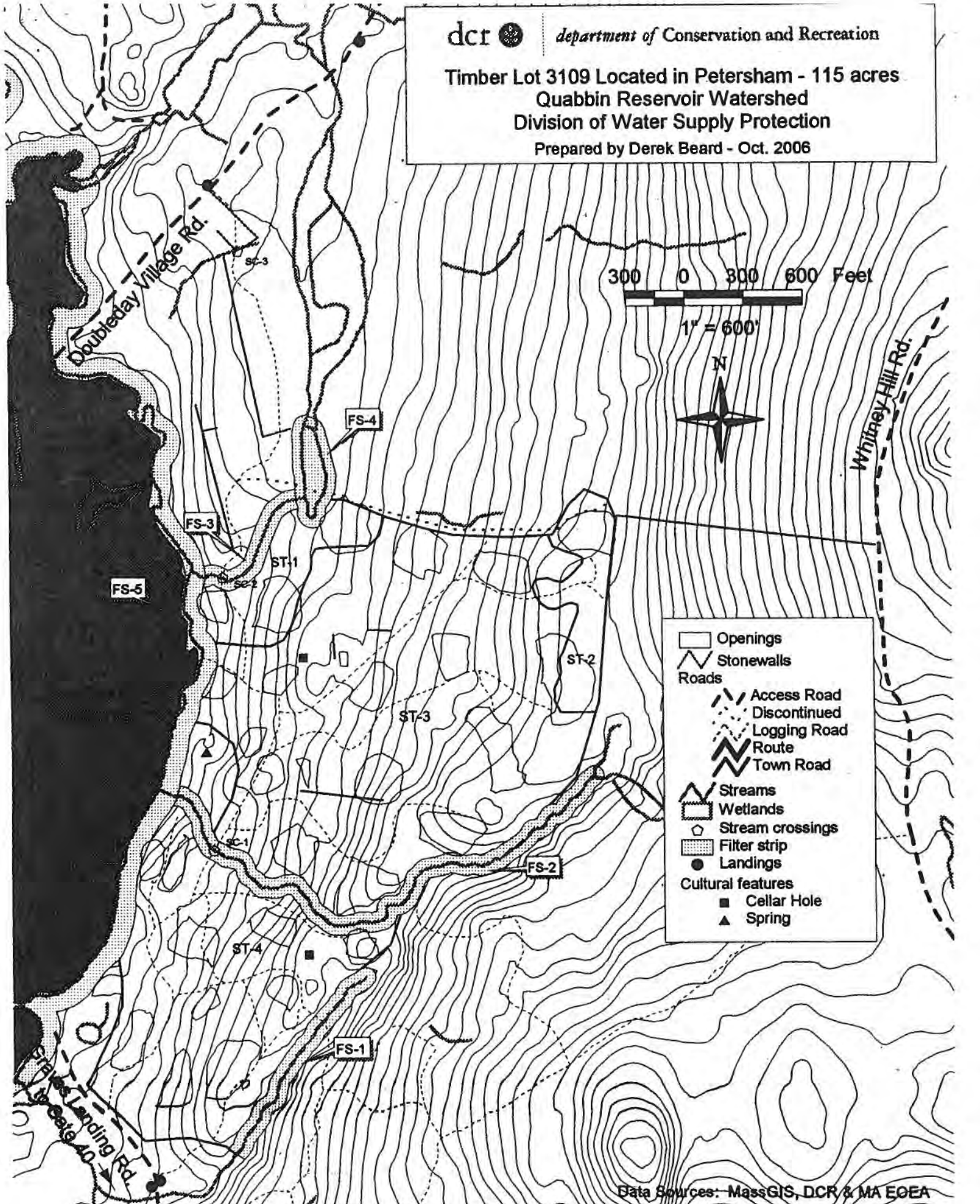
Stand No. **Desired Future Condition**
 Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

Stand No.	Desired Future Condition
All	Harvest is a series of 1/4 to 2 acre area patch openings distributed across operation unit.



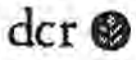
department of Conservation and Recreation

Timber Lot 3109 Located in Petersham - 115 acres
Quabbin Reservoir Watershed
Division of Water Supply Protection
Prepared by Derek Beard - Oct. 2006



	Openings
	Stonewalls
Roads	
	Access Road
	Discontinued
	Logging Road
	Route
	Town Road
Streams	
	Wetlands
	Stream crossings
	Filter strip
	Landings
Cultural features	
	Cellar Hole
	Spring

Data Sources: MassGIS, DCR & MA EOE



department of Conservation and Recreation

Timber Lot 3109 Located in Petersham - 115 acres
Quabbin Reservoir Watershed
Division of Water Supply Protection

Prepared by Derek Beard - Oct. 2006

Timber Lot 3109

Gate 40

0.5 0 0.5 Miles



1" = Half mile

Data Sources: MassGIS, DCR & MA EOE





Date: December 06, 2006
File No.: 234-2802-7

Dear Derek Beard, DCR Forester

The Forest Cutting Plan filed for your property was received in this office on December 14, 2005. I have reviewed the current edition of the Massachusetts Natural Heritage Atlas and found that a portion of the harvest area falls within a high priority site of rare species habitat and within rare wetlands wildlife habitat.

As required by the Forest Cutting Practice Regulations (304 CMR 11.00) I have submitted the cutting plan to the Division of Fisheries and Wildlife Natural Heritage Program for their review. Natural Heritage has 10 business days to review and comment on the plan.

The Massachusetts Endangered Species Act (M.G.L. c. 131A) prohibits the taking of any state-listed rare plant or animal species. The purpose of this review is to ensure that the proposed operation would not result in a violation of the Endangered Species Act.

If Natural Heritage believes that the proposed harvest may result in a taking they will make recommendations to avoid the potential taking. We will contact you if it is necessary to amend the plan to include these recommendations.

We will attempt to make the delay in the processing of your plan as short as possible. If you need to start the operation before this process is completed please be aware that any work that is conducted before the forest cutting plan is approved may result in the taking of a rare species in violation of M.G.L. c. 131A.

Please call me at 413-545-5755 if you have any questions regarding this matter.

Sincerely,

Richard D Valcourt

Service Forester

CC Petersham Con Comm

Route 110, P.O. Box 155
Clinton, MA 01510
508-792-7715
978-368-0217 FAX
www.mass.gov/dcr

MITT ROMNEY
Governor

KERRY HEALEY
LT. Governor

ELLEN ROY HERZFELDER
Secretary-EOEA

KATHERINE F. ABBOTT
Commissioner





MassWildlife

Commonwealth of Massachusetts

Division of Fisheries & Wildlife

12-29-2006 P12:10

Wayne F. MacCallum, Director

Richard Valcourt, Service Forester
Department of Conservation and Recreation
Route 110
P.O. Box 155
Clinton MA, 01510

Cutting Plan No. 234-2802-7
NHESP Tracking No. 06-21101
Town Petersham
Road Gate 40
Date December 22, 2006

Dear Richard,

The Natural Heritage and Endangered Species Program (NHESP) has processed your request for a recommendation regarding the harvesting activities proposed in Forest Cutting Plan 234-2802-7 (hereafter termed "the Plan") and their coincidence with Estimated Habitat of Rare Wetlands Wildlife and with High Priority Sites of Rare Species Habitat (collectively termed "Priority Habitat"). Based on details of the Plan and information in the NHESP database, the NHESP has determined that the proposed harvest site coincides with Priority Habitat of the Bald Eagle (*Haliaeetus leucocephalus*) and the Common Loon (*Gavia immer*). The Bald Eagle is state-listed as Endangered, and the Common Loon is listed as Special Concern, pursuant to the Massachusetts Endangered Species Act (MGL c. 131A) and its implementing regulations (321 CMR 10.00).

The primary concern with respect to potential impacts of forest harvesting on the Bald Eagle and the Common Loon is disruption of roosting, foraging, breeding, or nesting as a result of human presence or related disturbance. Based on locations of past observations of these birds and their nests, the NHESP does not expect harvesting activities proposed in the Plan to adversely impact populations of the two species. However, should a nest of a Common Loon or Bald Eagle be discovered within 500 ft or 660 ft, respectively, of the harvest site after the date of this letter, the NHESP recommends that the following actions be taken:

- **Common Loon** – Adhere to the required management practices (denoted with "R") that are listed in the Forestry Conservation Management Practices (CMP) document for Common Loon. A list of these required practices are included with this letter, and the entire CMP document can be accessed at <http://www.mass.gov/dfwele/dfw/nhesp/cmpdraft.htm>.
- **Bald Eagle** – Establish a 660-ft buffer around the nest, whereupon all harvesting activities (e.g., tree-felling, operation of motorized vehicles or chainsaws) are prohibited throughout the buffer during a time period beginning March 1st and ending September 1st.

Regardless of whether a nest is discovered, the NHESP requires that no dominant or emergent canopy trees be cut within 50 ft of the top bank of the Quabbin Reservoir.

Please copy the NHESP on any amendments to this plan and on the approved plan for the site. If you have any questions about this letter, please contact Jacob Kubel at ext 313.

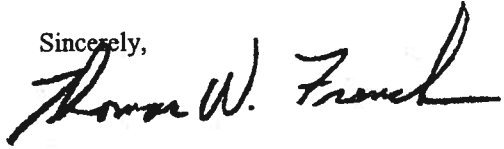
www.masswildlife.org

Division of Fisheries and Wildlife

Field Headquarters, One Rabbit Hill Road, Westborough, MA 01581 (508) 792-7270 Fax (508) 792-7275

An Agency of the Department of Fisheries, Wildlife & Environmental Law Enforcement

Sincerely,

A handwritten signature in black ink that reads "Thomas W. French". The signature is written in a cursive style with a large, sweeping initial 'T'.

Thomas W. French, Ph.D.
Assistant Director

cc: Petersham Conservation Commission

COMMON LOON FORESTRY CONSERVATION MANAGEMENT PRACTICES

R – required management practice

G – guideline or recommended management practice

Preventing Disturbance and Reproductive Failure

Conservation management objectives

Avoid disturbing Common Loon adults during territory establishment, mating, and nesting. Avoid altering the habitat at or immediately surrounding documented nest sites.

Rationale

Common Loons have small clutches, usually only 1 or 2 eggs. Disturbing adults during their territory establishment, mating, and nesting periods can prevent territorial pairs from breeding, cause nest abandonment, expose eggs to harsh weather conditions, and increase chances of predation if adults are flushed from the nest. All of these factors lead to reproductive failure. Visual and noise disturbance that may alter adult behavior is the major concern with motorized forestry activities. Loons will reuse old nest sites. In order to encourage the continued use of previous sites, the habitat surrounding the nest should be left intact.

General management recommendations

Adjust the timing of mechanized timber harvest activities to periods when Common Loons are not establishing a territory, mating or nesting. Leave an uncut area surrounding nesting sites.

Specific management practices

R A no-cut area with a radius of 100 feet shall be maintained immediately surrounding nesting sites. Motorized equipment shall not be used within this no-cut area.

R For timber harvests that occur within a 500-foot radius of a Common Loon nesting site, motorized equipment, including chainsaws, may be used and harvesting may occur only between August 1st and March 15th of any given year.

Timber harvests involving motorized equipment may potentially proceed prior to August 1st in the following situations:

If a qualified wildlife biologist who has regularly monitored the Common Loon nesting area observes and certifies in writing to the NHESP that:

1. If at a documented nesting site and territory, no Common Loons are present that given year, timber harvests involving motorized equipment may occur beginning July 1st.
2. If at a documented nesting site and territory, Common Loons are present but have not laid their first nest by July 15th and are not showing any signs of nesting that given year, timber harvests involving motorized equipment may occur beginning July 16th.

R The boundary of the 100 and 500-foot management areas from the nesting site shall be clearly identified by flagging or marking prior to cutting plan approval.



dc^r

COMMONWEALTH OF MASSACHUSETTS

FILE # 234-2802-1

Department of Conservation and Recreation

Division of State Parks and Recreation

FOREST CUTTING PLAN CERTIFICATE

W

Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that DCR - DWSP Ware Road Belchertown in accordance with the
(Name of Owner) (Address)

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

lot # 3109 ~~lot~~ gate 40, Petersham

Approval Date 01-08-2007

Director's Agent Richard Valcourt

DCR Phone No. (413) 545-5755
(413) 545-5752

ISSUED BY:

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