

# Massachusetts Division of Fisheries & Wildlife

## Forest Cutting Plan Summary

<b>DCR File Number</b>	024-2821-7
<b>Natural Heritage Atlas</b>	Extensive overlap with Priority or Estimated habitats for rare species
<b>Public Drinking Water Supply</b>	No
<b>ACEC</b>	No

### Site Information:

<b>Property:</b> Herm Covey WMA	<b>Town(s):</b> Belchertown
<b>Acres:</b> 30	<b>Road:</b> East Street
<b>Forest Management Zone:</b> Worcester Plateau	<b>Wildlife District:</b> Connecticut Valley
<b>Ecoregion:</b> Lower Worcester Plateau	<b>Watershed:</b> Chicopee River
<b>Stands Treated:</b> CV 2153, 2188	

### Harvest Information:

**Objectives:** To (1) regenerate this mature old-field white pine stand and (2) establish patches of young forest habitat composed of a mixture of native central and northern hardwood tree species, white pine, and pitch pine including retained clusters and individual mature white pine, black cherry and oak(s) throughout that will continue to provide structural diversity, species diversity, mast, and other habitat features.

<b>Harvest Start Date:</b> To be Determined (2007-2009)	<b>Harvest End Date:</b> To be Determined (2007-2009)
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### **Forest Products to be Harvested**

<b>Species</b>	<b>Board Foot Volume</b>	<b>Cords Firewood</b>	<b>Cords Pulpwood</b>
White Pine	214 Mbf	-	155 Cord
Mixed Hardwoods	-		
<b>Total</b>	<b>214 Mbf</b>		<b>155 Cords</b>

**Site Selection:** This old-field white pine and former (private) campground area was identified as a potential priority site for regeneration through a GIS analysis of DFW landcover data and subsequently confirmed during site evaluation. This GIS analysis attempts to identify potential stands that, for a variety of reasons, represent (A) high risk for storm (wind) damage or (B) high priority for conversion to less common habitat types. Mature, predominantly single species, old-field softwood stands, including this former campground site fit these criteria.

**Silviculture:** This project represents the second treatment of a two-stage shelterwood system with retention and was designed to establish patches of young forest habitat including the retention of matures trees that will help to meet the stated diversity objectives (above).

**Rare Species Considerations:** This harvest incorporates seasonal timing restrictions as well as volume removal restrictions provided by the Natural Heritage & Endangered Species Program to conserve rare species.

### Plan Preparer:

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 Division of Fisheries & Wildlife  
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### Licensed Timber Harvester:

Conkey & Sons Logging  
 Daniel Shays Highway  
 Belchertown, MA 01007  
 MA Licensed Harvester No. 039-2007

**Best Management Practices:**

**Stream Crossings:** 1

**Filter Strips:** Two 50' filter strips

**Wetland Crossings:** None

**Harvesting in Wetlands:** None

<b>Stream Crossings</b>	<b>SC-1</b>
Type of Crossing	Culvert/Bridge
Existing Structure	Yes/No
Type of Bottom	Mud
Bank Height (ft)	2'
Stabilization	N/A

SC-1 will be bridged and used ONCE to move equipment from a stand on one side of the stream to the second stand.

An irregularly shaped minimum 50-foot no-cut filter strip surrounds the vernal pool (see map).

**Cutting Standards:**

<b>Feature (see map)</b>	<b>Stand 1</b>	<b>Stand 2</b>
Forest Type	White Pine	White Pine
Acres	15	15
Landowner Objective	Long Term	Long Term
Designation of Trees	Cut	Cut
Type of Cut	Shelterwood	Shelterwood
Source of Regeneration	Advanced	Advanced

**Determination of Status:**

This Forest Cutting Plan was approved by DCR on December 19, 2006. Harvesting activities have not yet begun.

Stand Map

Map by Brian Hawthorne  
DFW Forester, MA Lic. 366  
For forestry purposes only

# Herm Covey WMA Timber Sale CV-HC-TS11

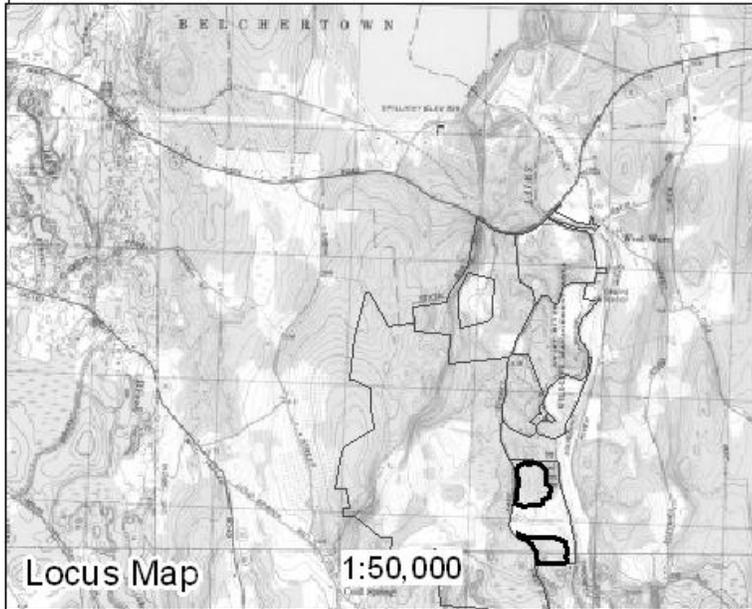
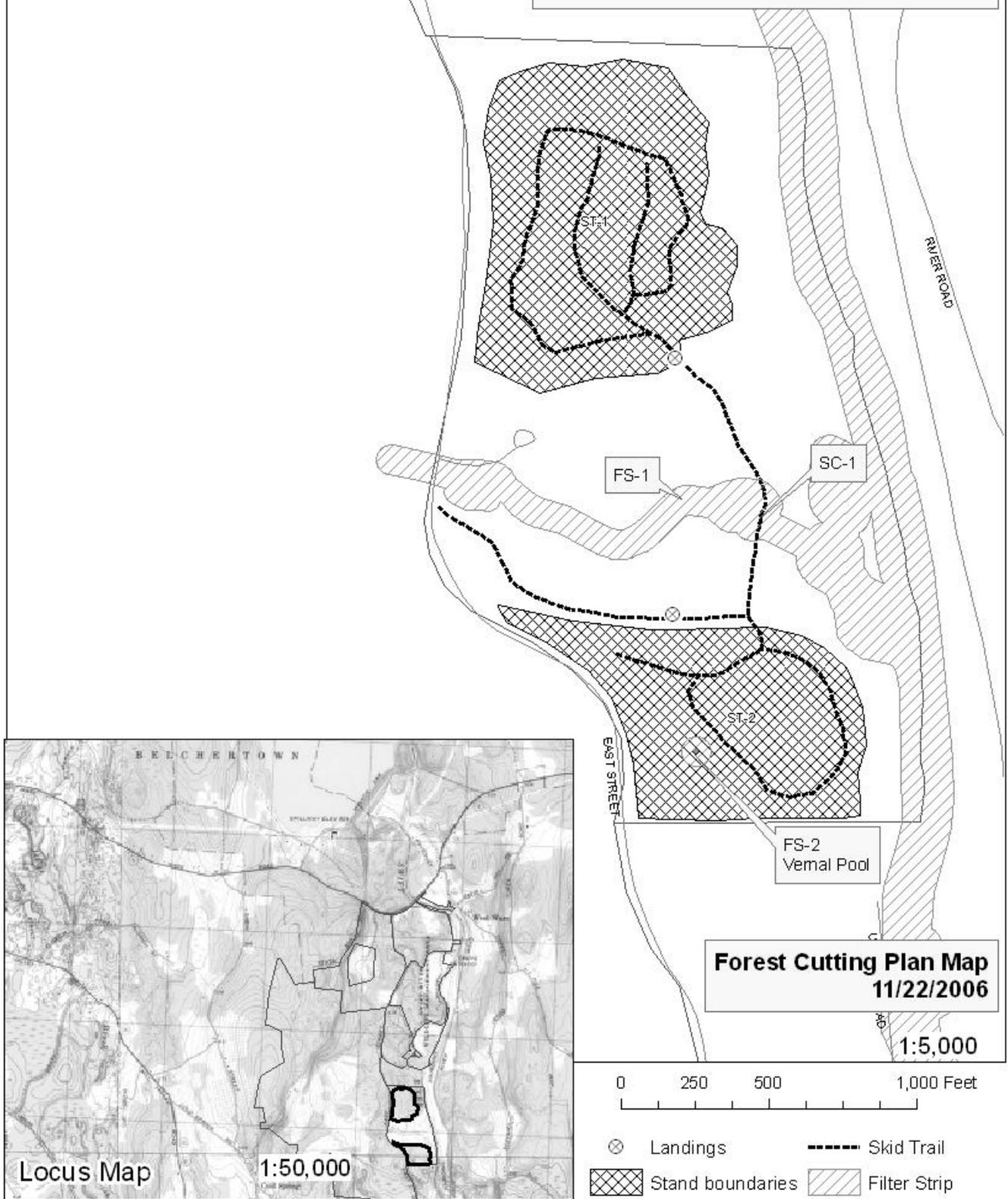


Figure 1. Herm Covey WMA Forest Cutting Plan Stand Map.



MassWildlife Photo by Anne Marie Kittredge

May 2007 - Marking for second phase of a shelterwood with retention regeneration harvest on the Herm Covey WMA in Belchertown, MA. Trees marked with blue paint will be harvested. Note abundant advance regeneration including pine, oak, associated hardwoods, herbs & shrubs. Unmarked retention of mature white pine and associated snag occur on the right side of the photo.