

Massachusetts Division of Fisheries & Wildlife

Forest Cutting Plan Summary

DCR File Number	235-2807-7
Natural Heritage Atlas	No overlap with Priority or Estimated habitats for rare species
Public Drinking Water Supply	Quabbin
ACEC	No

Site Information:

Property: Phillipston WMA	Town(s): Phillipston
Acres: 30	Road: Williamsville Road
Forest Management Zone: Worcester Plateau	Wildlife District: Central
Ecoregion: Worcester-Monadnock Plateau	Watershed: Chicopee River
Stands Treated: P868	

Harvest Information:

Objectives: To (1) convert even-aged 70-year old-field white pine forest to mixed species forest; and (2) establish patches of young forest habitat composed of a mixture of native white pine and hardwoods with retained mature white pine, black cherry and oak trees, snags, and den trees throughout the harvest area to provide structural diversity, species diversity, mast and other habitat features.

Harvest Start Date: September 2007	Harvest End Date: October 2007
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Forest Products to be Harvested

Species	Board Foot Volume	Cords Firewood	Tons Pulpwood
White Pine	295 Mbf	-	-
Mixed Hardwood.	-	225	-
Total	295 Mbf	225	-

Site Selection: This old-field white pine was identified as a potential priority site for regeneration during the field reconnaissance aspect of GIS analysis of DFW landcover data. 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 fit these criteria.

Silviculture: This seed tree regeneration harvest was designed to establish diverse mixed stands of native hardwood and softwood trees. Regeneration sources include seed that occurs in the soil, seed from adjacent untreated white pine, red oak, and northern hardwood forests, and white pine and hardwood advance regeneration. Retained seed trees include individual and clustered white pine, oaks and black cherry. Snag and den trees were also retained.

Rare Species Considerations: No Priority or Estimated rare species habitat occurs within the harvest area. One vernal pool was located and is mapped between ST-2 and ST-3 (see map); the vernal pool value and function will be protected by an irregular area of surrounding unthinned, mature, forest canopy.

Plan Preparer:

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Licensed Timber Harvester:

King Timber Harvesting
15 Ragged Hill Road
Hubbardston, MA 01452
MA Licensed Harvester No. 2007-0128

Best Management Practices:

Stream Crossings: None
Filter Strips: None

Wetland Crossings: None
Harvesting in Wetlands: None

Cutting Standards:

Feature (see map)	Stand 1	Stand 2	Stand 3
Forest Type	White Pine	White Pine	White Pine
Acres	6.5	12	11.5
Landowner Objective	Long Term	Long Term	Long Term
Designation of Trees	Cut	Leave	Leave
Type of Cut	Seed Tree	Seed Tree	Seed Tree
Source of Regeneration	Advanced/Seed	Advanced/Seed	Advanced/Seed

Determination of Status:

This Forest Cutting Plan was approved by DCR on December, 20, 2006. Harvesting activities were completed during September & October, 2007. Regeneration status checked September 2008 (favorable for red oak, pin cherry, black cherry, and white pine despite evidence of deer/moose browsing).

Phillipston Timber Harvest

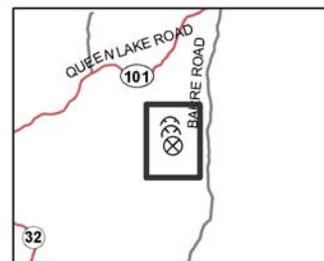
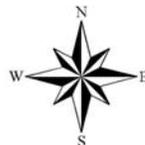
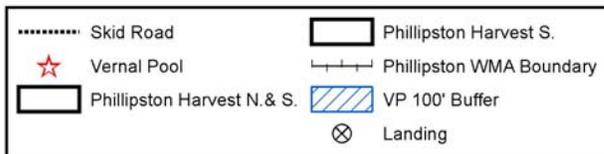
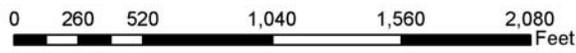
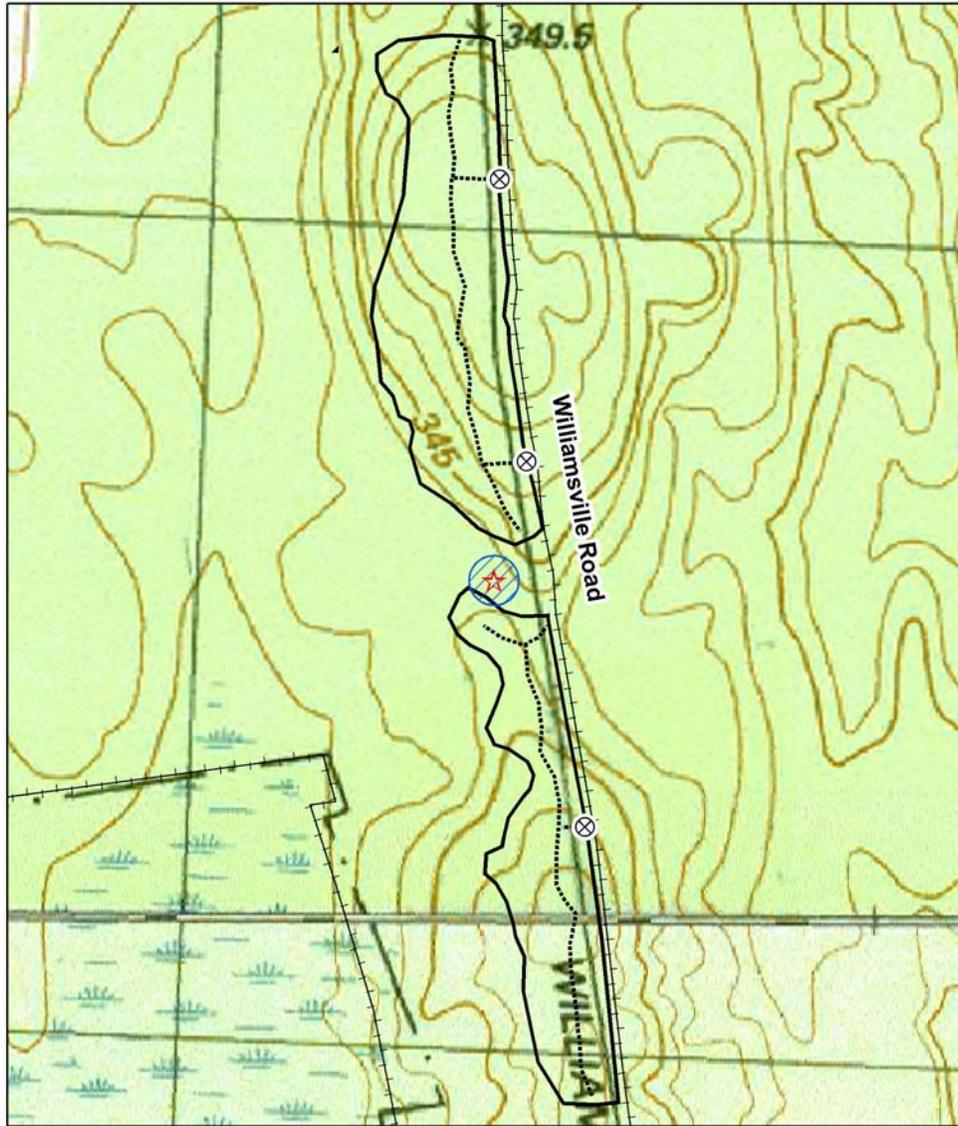


Figure 1. Locus map: CE-PH-TS-1 on Phillipston WMA



Part of a 30 acre seed tree regeneration harvest completed in October 2007 on the DFW Phillipston WMA in March (top) and September (bottom), 2008 (note tree seedling regeneration in September 2008 during first growing season after harvest). Retained trees enhance wildlife habitat and provide structural diversity. (DFW photos by John Scanlon).

