

Carolina Hemlock Genetic Conservation Project

2006 Accomplishments

The purpose of this project was to make cone collections of Carolina Hemlock in Tennessee for inclusion in the CAMCORE Cooperative Gene Conservation Project. Carolina Hemlock is threatened with extirpation by the Hemlock woolly adelgid and other pests throughout its range. Camcore is trying to establish plantations to serve as source material for reintroduction if the tree is lost in its natural habitat and lacked material from Tennessee. The project outline consisted of three basic steps. 1.) Continue Coordination with Camcore and work to involve other partners, 2.) Field review and selection of sites, and 3.) monitoring cone production and cone collection. All aspects of the project were completed in 2005, except for cone collecting due to a poor cone year. During the summer of 2006, Forest Service (FS) personnel visited the collection sites and monitored cone production. Cone production was observed at the Cliff Ridge site, but no cones were produced at the Iron Mountain site. Collections were made at the Cliff Ridge site and will be incorporated into the conservation project. Due to the importance of this project, the Iron Mountain site will continued to be monitored by district personnel and material collected for inclusion in the project when cones are produced. Because of this partnership similar work is know being completed on Eastern Hemlock in Tennessee.



Carolina Hemlock at Cliff Ridge Site.



Carolina Hemlock Cones at Cliff Ridge Site.

Year Awarded: 2005

Project completion: 2006

Report number: 2 of 2

Expenditures:

- FY05 funding \$7,500, FY05 expend \$3,905; FY06 expend \$3595: \$0 remaining

Partners/Contractors/Coop: Camcore

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