

## **Project Summary**

### **Rocky Mountains Cooperative Ecosystem Studies Unit**

**Project Title:** Investigation of Mycorrhizal fungi associated with whitebark pine in Waterton Lakes-Glacier National Parks Ecosystem

**Discipline:** Natural Resources

**Type of Project:** Technical assistance

**Funding Agency:** National Park Service

**Other Partners/Cooperators:** Montana State University

**Effective Dates:** 6/1/2007 - 6/1/2008

**Funding Amount:** \$1,175

**Investigators and Agency Representative:**

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**Project Abstract:** Whitebark pine is a picturesque, long-lived tree of high mountain landscapes in much of the American West. It is a "keystone" species supplying food and shelter for wildlife and often holding the snow and rocky soils in places where other trees cannot grow. Now, however, in about half of its natural range, including Waterton-Glacier NP, whitebark pine is mostly dead or dying, due to an introduced blister rust. Cooperators will work with the NPS-Glacier NP and with staff at Waterton Lakes NP on a project to determine ectomycorrhizal fungi associations with Whitebark pine in the Crown of the Continent ecosystem. The goal is discovery, collection, and recording mycorrhizal fungi in whitebark pine forests with particular emphasis on visiting accessible areas with significant seedling regeneration. A final report of this technical assistance is due 31 March 2008.

**Outcomes with Completion Dates:** Due by March 31, 2007 - final report

**Keywords:** Glacier National Park, Waterton Lakes National Park, whitebark pine, restoration, mychorrhizal fungi, Montana State University

**For Administrative Use Only:**

Date Annual Report Received:

Date Final Report Received:

Publications, etc. on file: