

## Project Summary

### Rocky Mountains Cooperative Ecosystem Studies Unit

<b>Project Title:</b> Culturally Scarred Tree Study at Glacier NP
<b>Type of Project:</b> Technical Assistance
<b>Funding Agency:</b> National Park Service
<b>Other Partners/Cooperators:</b> Salish Kootenai College; Confederated Salish and Kootenai Tribes
<b>Effective Dates:</b> May 1, 2004 - September 1, 2005
<b>Funding Amount:</b> \$1288
<b>Investigators and Agency Representative:</b> NPS KEY OFFICIAL: Lon Johnson, Cultural Resource Specialist/Historical Architect, Glacier National Park, West Glacier, MT 59936, 406-888-7943, <a href="mailto:lon_johnson@nps.gov">lon_johnson@nps.gov</a>  PRINCIPAL INVESTIGATOR: Bill Swaney, Department Head, Math, Engineering and Natural Sciences, Salish-Kootenai College (SKC), Post Office Box 70, Pablo, MT 59855, 406-275-4896, <a href="mailto:william_swaney@skc.edu">william_swaney@skc.edu</a>
<b>Project Abstract:</b> This project will result in a comprehensive field inventory and mapping of culturally scarred trees (CST) in a study area including the west side of Glacier NP. The field studies target old growth ponderosa pine vegetation zones flanking the east bank of the North Fork of the Flathead River. Several CSTs have already been identified within this study area by GLAC staff.  The project area will be systematically surveyed with pedestrian transects by a crew of 4-6 individuals. Crew members will be made up CSKT tribal staff, SKC students and GLAC personnel. Research will focus on identification of all CSTs within the study area. A special effort will be made also to document associated campsites, trails, or other archaeological resources.  All scarred tree locations, trail segments, and campsites will be mapped using GPS technology. Mapping equipment used for this research (Trimble Pro XRS) is capable of mapping to a level of accuracy less than one meter. All collected GPS data will be entered into a project Geographic Information System in order to create detailed maps of the distribution of cultural resources in the area. These data will be made available to the GLAC staff for future management needs. In addition, cultural resource site forms will be completed for all identified CSTs and archaeological sites. Information collected on scarred trees (girth, orientation, scar dimensions, etc.) would be designed for comparison with data collected by the CSKT in the Bob Marshall Wilderness and the Flathead Indian Reservation.  Two students from the Salish-Kootenai College (SKC) will provide technical assistance to the overall project by serving as members of the pedestrian survey teams that will identify culturally scarred trees within Glacier National Park (GLAC). As part of their survey responsibilities, the SKC students will map all scarred tree locations, trail segments, and campsites using GPS technology. The information gathered by the SKC students will be incorporated into the final project report, site forms and maps. The rest of the project will be completed by the CSKT Preservation Department, with funding from the RM-CESU and matching funds from the CSKT.
<b>Outcomes with completion dates:</b> The final product is technical assistance, in the form of two SKC students serving on pedestrian survey teams of culturally scarred trees within Glacier National Park. A final report for the overall project, along with maps, forms and GIS data will be delivered by the end of 2004.

**Keywords:** Culturally Scarred Trees, Glacier National Park, Salish-Kootenai College, Confederated Salish and Kootenai Tribes, ponderosa pine, cultural preservation

**For Administrative use only:**

*Date Annual Report Received:*

*Date Final Report Received:*

*Publications, etc. on file:*