

Payette National Forest

Request to Conduct Research on National Forest System Lands
(Ref. FSM 2724, FSH 2709.11)

RESEARCHER NAME:

LAUREN FINS (principle investigator)
JODIE KRAKOWSKI (field research supervisor)
CATHERINE ROBERTS (field research technician)

Institution/School Sponsoring Research Project:

USFS/University of Idaho

School/Institution Address:

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Description of Research (attach Study Plan or Prospectus): *"Evaluation and Monitoring of Whitebark Pine Regeneration After Fire in the Frank Church River of No Return Wilderness Area"* (See attached study plan)

The primary objective of this study is to establish baseline information on and monitor changes in whitebark pine reproduction on recent burns, old burns and unburned sites in the Frank Church RONR Wilderness Area. Data will be collected on numbers and sizes of trees, the extent of blister rust infection, mountain pine beetle kill, and the extent of fuel loadings in whitebark pine populations. In addition, we plan to collect seeds from individual trees that appear to have some genetic resistance to blister rust. Part of these collections will be entered into genetic trials for rust resistance; some of the seeds will be archived as representative genetic material from these populations.

This summer (2005), Jodie and Catherine will establish plots in at least 3 whitebark pine populations, with approximately 10-15 plots per population. If time permits, they will establish plots in a 4th population. Jodie and Catherine will follow FCRONRWA protocols, causing minimal