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OMB NO. 0596-0082

U.S. DEPARTMENT OF AGRICULTURE
Forest Service
TEMPORARY SPECIAL - USE PERMIT
AUTHORITY: Organic Administration Act of June 4, 1897

The Researcher identified below is hereinafter called the Holder, and is hereby authorized to use, subject to the terms and conditions of this permit, Payette National Forest System lands to conduct the following identified research. The holder is authorized to conduct the following activities and/ or install the following temporary improvements on the permitted area for research purposes:

RESEARCHER NAME: Dr. Colden Baxter

Institution/School Sponsoring Research Project: Idaho State University

School/Institution Address: Department of Biological Sciences
Box 8007
Idaho State University
Pocatello, Idaho 83209

Contact phone & Email: baxtcold@isu.edu, 208-282-6098

Description of Research (attach Study Plan or Prospectus): The primary study will be on the effects of wildfire on linkages between aquatic and terrestrial food webs, and is described in detail in the attached study plan.

The second line of research will be exploratory, and will involve a multi-layered mapping effort. Creating coarse-scale "snapshots"--maps of geomorphology, vegetation, stream biota (invertebrates, fish), and terrestrial consumers (spiders, birds, bats, reptiles, and amphibians) along much of the length of the mainstem of Big Creek, as well as a few tributaries, during late summer of 2005. The goal of this work will be to create coarse maps that will complement existing site-based data (e.g., Dr. Minshall's long-term stream invertebrate monitoring sites, Dr. Peek's vegetation monitoring plots, Russ Thurow's fish survey sites that have been revisited by Kim Apperson and others

Location of Research Project --include legals AND 1:24,000 or GIS Map: This study is located in the Frank Church Wilderness area -

Fire and food webs study:

During the first year of this study, sampling will be conducted primarily in lower Big Creek and its tributaries. Sites will be located on Doe, Cave, Rush, Pioneer, Cliff, Cougar, Goat, and Burnt Creeks. After further reconnaissance, if you decide you would like to add sites to this list, you will need to contact the Payette National Forest before doing so.

Multi-layered mapping study:

Mapping will be conducted beginning at the mouth of Big Creek and proceeding upstream as far as can be accomplished during the ~10 days currently allotted to this effort. Forays into several of the tributaries being sampled as part of our food web study will also be conducted.

Project Specific Conditions: The Frank Church Wilderness Plan discusses guidelines in the wilderness. A copy of the guidelines from the Plan is attached to this permit and shall be followed. Traps used in the food web study need to be camouflaged and located out of site from trails. Study materials shall not be cached in the wilderness. The attached exhibit A contains fisheries information from the biological assessment and shall be followed.