

Payette National Forest

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

RESEARCHER NAME:

Kate M. Lambert, undergraduate student, Jim Akenson, supervisor

Institution/School Sponsoring Research Project:

College of Natural Resources, University of Idaho

School/Institution Address:

Taylor Ranch Field Station
HC83 Box 8070
Cascade, ID 83611

Contact phone & Email: 1-888-842-7547, tayranch@direcpc.com

Description of Research (attach Study Plan or Prospectus): "Effects of Weather and Elevation on Bat Relative Seasonal Abundance and Activity in the Frank Church River of No Return Wilderness"

SEE ATTACHED PROPOSAL Kate plans to conduct emergence surveys of bats at caves and/or mines and nearby water sources to assess populations and bat activities. She will use an Anabat II ecolocation detector to identify bat species. She will assist Katie Gillis, Idaho Fish & Game Biologist in mist netting and handling bats in the vicinity of Taylor Ranch Field Station on August 4-6, 2005. Her faculty advisor is Dr. Kerri Vierling, University of Idaho. Kate has an approved University of Idaho Animal Care and Use Protocol and Safety Plan.

Location of Research Project --include legals & 1:24,000 or GIS Map:

Caves will be located and selected during the first week of her project, in early June. Her study area will include high and low elevation sites from most of the Big Creek Drainage and Crooked Creek in the vicinity of the Snowshoe Mine.

Number of researchers and/or support personnel:

Herself and a part-time assistant. She will be supervised in the field by Jim and holly Akenson.

How will the researchers access the site(s):

Primarily on foot with a backpack from Taylor Ranch Field Station.

Type of equipment that will be used:

Anabat II sonic detector device, night vision equipment, binoculars, GPS, audio cassette, Kestrel handheld weather station.

Will the researchers be camping on the National Forest? Where?

Yes, short duration stays (3-5 day) at many different sites such as: Cave Creek, Crooked Creek (Snowshoe Mine Vic.), Duncce Creek, Cabin Creek flat, mouth of Big Creek. Exact locations will be identified in early summer.

Date(s) and time(s) and duration of proposed activities, by location(s):

A new study sites will be visited each week. This will vary and depend on weather conditions and insect activity. The total duration of the project is June 6 to August 12, 2005

SIGNATURE

DATE

James J. Akenson
TRFS Manager/Scientist/Supervisor

Payette National Forest

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

RESEARCHER NAME:

Javan Bauder, undergraduate student, Jim Akenson, supervisor

Institution/School Sponsoring Research Project:

College of Natural Resources, University of Idaho

School/Institution Address:

Taylor Ranch Field Station,
HC 83 Box 8070
Cascade, Idaho 83611

Contact phone & Email:

1-888-842-7547, tayranch@direcpc.com

Description of Research (attach Study Plan or Prospectus): "Monements and Habitat Selection of Prairie Rattlesnakes in the Big Creek Drainage of the Frank Church River of No Return Wilderness"

SEE ATTACHED PROPOSAL Javan plans to radio instrument several rattlesnakes in August 2005. These snakes will be monitored over winter to identify den sites. In summer 2006 Javan will return to Taylor Ranch Field Station to monitor snake movements and identify habitat characteristics associated with snake locations. Surgical implantation of telemetry units will be done by Javan's faculty advisor, Dr. Chuck Peterson, Idaho State University. Javan has an IDF&G collector's permit for snake handling and an approved University of Idaho Animal Care and Use Protocol.

Location of Research Project --include legals & 1:24,000 or GIS Map:

On and around TRFS and along Big Creek to, and including, Cabin Creek. Exact snake locations are dependent on availability of rattlesnakes for capture

Number of researchers and/or support personnel:

Idaho State University faculty instructor, Dr. Chuck Peterson, will work with this student during all capture and instrumentation procedures. Otherwise, the student will be working by himself or with one assistant. He will be supervised in the field by Jim and Holly Akenson when his faculty advisor is not with him

How will the researchers access the site(s):

On foot from Taylor Ranch Field Station.

Type of equipment that will be used:

Capture gear including: snake tongs, handling tube, heavy gloves, surgical equipment kit necessary for surgically implanting the radio transmitters.

Will the researchers be camping on the National Forest? Where?

Usually he will be based @TRFS, otherwise in the Cabin Creek flat for brief periods (less than a week at a time)

Date(s) and time(s) and duration of proposed activities, by location(s):

August 12-August 30 , 2005

SIGNATURE

DATE

NAME: James Akenson

TRFS Manager/Scientist

TITLE

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

RESEARCHER NAME:

Mackenzie Shardlow, undergraduate student, Jim Akenson, supervisor

Institution/School Sponsoring Research Project:

College of Natural Resources University of Idaho

School/Institution Address:

Taylor Ranch Field Station
HC 83 Box 8070
Cascade, ID 83611

Contact phone & Email: 1-888-842-7547, tayranch@direcpc.com

Description of Research (attach Study Plan or Prospectus): "A Survey and Habitat Evaluation of American Marten and Fisher in the Big Creek Drainage, Central Idaho"

SEE STUDY PLAN ATTACHED Mackenzie will survey for marten and fisher in mid to high elevation riparian zones and mature forests. She will use small mammal track plates and hair snares with lure to determine species presence and collect hair for genetic analysis. She will also measure habitat characteristics at study sites. Mackenzie will not capture any animals.

Location of Research Project --include legals & 1:24,000 or GIS Map:

3 study areas have been selected: Cold Meadows vicinity, Papoose Peak vicinity, and Lookout Mountain. A transect of 6 attractant sites will be monitored in each area. Transect locations will be determined during a preliminary field assessment.

Number of researchers and/or support personnel:

Herself plus an occasional assistant. She will be supervised in the field by Jim & Holly Akenson.

How will the researchers access the site(s):

On foot or horseback from Taylor Ranch Field Station.

Type of equipment that will be used:

Plywood/aluminum track plate boxes, hair snares, lure, canned turkey bait, pie pan attractant, flagging, and remote camera.

Will the researchers be camping on the National Forest? Where?

Yes, near study areas including: Whiskey Springs, Coyote Springs, Lookout Mountain, and several sites along burned portions of main Big Creek.

Date(s) and time(s) and duration of proposed activities, by location(s):

The time spent at each camp will be 12 days. The duration of the study will be from May 31 to August 12, 2005.

SIGNATURE

DATE

Jim Akenson
Manager/Scientist/Supervisor
Taylor Ranch Field Station