

## Animal Care and Use Training



### ANIMAL CARE AND USE COMMITTEE

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The University of Idaho is committed to ensuring all personnel using live vertebrate animals are qualified to perform their duties. Training is provided as online modules, seminars, and hands on experiences. All UI personnel who utilize live or dead animals must complete the required module "**Working with the University of Idaho ACUC**". Depending upon the requested use of animals and your certifiable experience, additional training may be identified and required at the time of protocol development and review.

### Instructions for Accessing the Online Modules and Examinations

Online modules are provided through the [ResearchTraining.Org](http://ResearchTraining.Org) website. When you create your user account you must affiliate yourself with an institution. The institutional access code for the University of Idaho is:

**idaho3557**

When you logon to the Research Training website you will need to complete the entire user profile so that your training records may be properly imported into our records system. If you do not have a vandal ID, enter your email address.

Many other materials may be found in the [Other Resources](#) section of this website.

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 University of Idaho ■ Moscow, ID 83844  
 ■ Send suggestions to [webmaster@uidaho.edu](mailto:webmaster@uidaho.edu) ■

## Bleak Taylor Ranch Wilderness Internship Summer 2005 (12-16-04)

**Taylor Ranch Field Station is located along Big Creek, largest tributary of the Middle Fork of the Salmon River, in the heart of the 2.4 million-acre Frank Church River of No Return Wilderness located in central Idaho. The field station is remote, reached either by a trail 34 miles inside the wilderness boundary or by bush plane. Outside communication occurs through a weekly mail plane, a backcountry radio, and a satellite phone. Find out more about Taylor Ranch by going to the web: <http://www.cnrhome.uidaho.edu> and choose "CNR Facilities" Also, a notebook with Taylor Ranch Pictures and information is available for review at the CNR Job Resource Area outside CNR Room 201.**

- **Duties:** Interns will be trained in field research and monitoring techniques, wilderness skills and will help with field station maintenance. Research activities will include collecting and analyzing field data for vegetation, wildlife, and recreation projects and assisting scientists with research projects. Wilderness skills will include mule packing, backcountry camping, and orienteering. Ranch work will include cutting firewood with a crosscut saw, haying with mules, transporting gear with pack mules and maintaining facilities.
- **Qualifications:** Wilderness internships are open to all upcoming sophomore and junior as well as returning senior-level University of Idaho students. Interns must be resourceful and self-motivated, enjoy hard physical work, and have enthusiasm for a variety of tasks both at the field station and in the field. Interns must be able to work independently and with others and to deal with isolation from the outside world.
- **Term:** Interns will work at the field station for 10 weeks under the supervision of Holly and Jim Akenson, scientists and field station managers.
- **Salary:** Interns will earn approximately \$2300 for the 10 week period. An additional \$200 will be provided to pay for required internship credit. Lodging at the station and one round-trip plane flight from Cascade to Taylor Ranch is provided. Interns are responsible for providing their own food.

**INFORMATIONAL SEMINAR:** 12:20-1:30 Monday, February 14 in CNR Room 200. Holly and Jim Akenson, Taylor Ranch scientists and field campus managers, will present an overview of the field station and the internship program.

**Application Process:** Submit a letter of application (describing your interest in the internship, as well as skills and experience in an outdoor setting), resume (define skills and projects for each work experience), and a list of three references to: Wilderness Internships Selection Committee, College of Natural Resources, University of Idaho, Moscow, ID 83844-1142. (Room 201, Dean's Office, Phone 208/885-7302, Fax: 208/885-5534).

### APPLICATION DEADLINE

**Tuesday, February 15, 2005 (by 5:00 pm) in the Dean's office CNR 201**

**INTERVIEWS:** A selection committee will pre-screen applications. The top applicants will be notified the evening of Wednesday, February 16 and invited to interview in CNR 201 on February 17 & 18, 2005.

*Questions? Contact Diane Holick (208/885-7302)*

# Taylor Ranch Wilderness Field Station Internships



## Wilderness Interns

### Bleak Taylor Ranch Field Station Wilderness Internships

Wilderness Internships provide excellent opportunities for University of Idaho undergraduate students to get hands-on experience while learning about the ecology of the Idaho wilderness. Wildlife biologists and station managers Jim and Holly Akenson teach interns field research and monitoring techniques and wilderness skills. Student have an opportunity to participate in research activities with other field station scientists. Students help with field station maintenance to defray their lodging expenses. [Application Information](#)

This ten week summer internship provides 3 students with the training and experience in field research necessary for careers in natural resources. Gaining more than just work experience, student interns learn traditional ways of living and working in the backcountry. Last year student interns were involved in these activities:

- using GPS, maps, and compass
- identifying plants and plant communities
- radio telemetry and tracking wolves
- measuring annual vegetation production
- sampling aquatic invertebrates and stream substrates
- monitoring noxious weed spread and containment
- using remote cameras and hair snags to monitor black bears
- giving presentations and leading discussions on ecological topics
- assisting student researchers with marmot research, elk calf survival research, fishermen surveys, and stream bed geology
- survey whitebark pine communities for reproduction, mortality, and blister rust
- learning about the process of archaeological discovery and documentation
- interacting with visiting researchers and graduate students at the barbecue pit
- snorkel survey for fish
- putting up hay with mule teams and pitchforks
- packing and riding mules in the backcountry
- using traditional tools such as crosscut saws
- traditional archery - a "new" Taylor Ranch tradition

## Undergraduate Research Scholars

### DeVlieg Taylor Ranch Field Station Undergraduate Research Scholar Award

The DeVlieg Undergraduate Scholar award provides funding for an "inquiry-based" learning experience for University of Idaho undergraduate students at Taylor Ranch Field

## ANIMAL SUBJECTS APPROVAL FORM INSTRUCTIONS

This packet contains the forms needed to obtain Institutional Animal Care and Use Committee (IACUC) review and approval of research and teaching projects using live, vertebrate, non-human animals, as required by federal law and UI policy.

Regulations require that:

The IACUC review all animal use carried out in university facilities, as well as field work conducted by UI personnel. *All projects are to be approved prior to the actual use of animals*, whether it involves research/teaching or warm/cold blooded vertebrates.

The approval of animal use will be granted for a one-year period. The IACUC is required to review activities annually, even though it may be a multiple-year project.

The attached forms are designed to help provide sufficient information to allow a meaningful review of your proposed animal use. To obtain project approval, please follow these instructions:

- \* Provide a *TYPED* copy of your completed Animal Subjects Approval Form. *Handwritten copies will be returned without review.*
- \* Complete *all* information and be explicit, but brief, when providing details. "See attached proposal" is not an acceptable response. *Forms submitted with inadequate information will be returned.*
- \* Attach a copy of the grant application, proposal, or other documents giving detailed descriptions of all procedures involving animals.

Be advised that the Animal Subjects Approval Form is a public record and may be released upon request. Should certain information be confidential (e.g., experimental design/hypothesis, materials used, etc.), please indicate such items.

Sufficient lead time is necessary to obtain approval and should be taken into consideration in planning start dates or need for approval for funding agencies. All committee members must be provided a copy of the proposal prior to approval. As the committee meets monthly, you should *allow four to eight weeks from time of submission to approval.*

If you and your technical staff require assistance for animal procedures (i.e., you do not feel qualified in performing certain techniques, including surgery) help is available, at no cost to your project, from the campus veterinarian (885-8958). In addition, assistance in the planning of anesthetic/analgesic procedures and methods of euthanasia is available.

Should you have questions regarding specific items on the form or general questions involving animal regulations/policies, contact the campus veterinarian at 885-8958.

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## ANIMAL USE CLASSIFICATION

Type C:

Project involving minor stress or pain of SHORT duration with or without the use of anesthesia: blood sampling, non-surgical implantation of catheters into peripheral vessels, short-term stressful restraint, or procedures under anesthesia that may result in minor post-anesthetic discomfort; also included are mild toxic drugs, tumor implants/hybridomas, and tethered animals.

Type D:

Projects that involve major stress or pain: Freund's adjuvant immunization, deliberate induction of behavioral stress to observe effect; recovery and non-recovery surgical procedures; prolonged periods (several hours or more) of physical restraint or deprivation of the animal's environmental necessities.

Type E:

Projects that involve significant stress or pain, without the benefit of anesthesia, analgesia or tranquilizers; application of noxious stimuli from which escape is impossible; toxicity testing with death as the end point; induction of radiation sickness; use of irritants, burns, trauma, biological toxins; drug addiction; induction of certain diseases where animals are permitted to succumb rather than be treated therapeutically. Type E projects present an explicit responsibility on the investigator to explore alternative designs to ensure that animal distress is minimized or eliminated. These procedures must be explained with a statement from you justifying their use. This is required by federal law. This statement should be attached to this form or included under the appropriate area on page 4 of the Animal Subjects Approval Form.

If a question should arise on classification of your project, you may wish to contact the Campus Veterinarian 885-8958.

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# ACUC Meeting Feb 14, 2005

- Jerry
- Any collaborations need a protocol?
  - Animal care & personnel safety
    - Federal rules + UI policies -
    - Longer than 12 hr holding
  - Capture & release not covered under animal welfare act, but UI requires
    - Public health agency - governs warm & cold blooded - unlikely to be an issue
  - Bats - safety office but not ACU
  - Rita send protocol on ~~or~~ safety @ Caves to Safety Officer
  - Chuck could apply for UI protocol (copy of ISU approval)
  - UI - ISU collaborations - if \$ separate



## ACUC continued

then their own <sup>univ</sup> ACUs, but if joint \$ then both have to do joint ACUs at both.

Classes - ACU ok + TAs listed

Describe procedures included.

Observational (of cougar capture)  
need to list hazards

→ One general protocol to cover all nonresearch activities

No on personal activities.

Training Session on ACUC website - "Working with the ACU committee"

**Questions for the Animal Care and Use Committee  
Regarding Research and Education Activities at  
Taylor Ranch Field Station**

Taylor Ranch Field Station is a University of Idaho research station in the central Idaho Wilderness, managed through the College of Natural Resources. A variety of research and educational programs are conducted from the field station, both by UI personnel and other agency professionals. Past research has focused on large mammal ecology (carnivores and ungulates) and stream ecology (including fish and amphibians). We want to be in compliance with the UI ACU Protocol and determine which activities require UI ACU permits and what obligations non-UI users have to meet UI ACU guidelines. View the Taylor Ranch Field Station website to see what types of activities occur here <http://www.cnrhome.uidaho.edu/taylorranch.htm>

We are Managers/Scientists at TRFS, wildlife biologists by training, and live at the station year round. We supervise field station undergraduate programs, coordinate researchers, and have conducted a large carnivore research project under an ACU permit. We will be in Moscow Feb 14-18 and plan to attend the ACU Committee monthly meeting to discuss some of the topics presented here. If there is not enough time to address all these questions we can continue discussions via email with the committee or Brad Williams. Holly & Jim Akenson, February 10, 2005

We are seeking ACUC policy clarification for the following ongoing or potential TRFS activities

1. Non UI users of TRFS

- NO a. Facility use only: NMFS electro-shocking/pit tag salmon, IDF&G or NezPerce Tribe capture/collar bighorns or wolves
- NO b. External PI collaborating with UI: USFS amphibian handling
- NO c. Other Idaho university: ISU reptile & amphibian capture/handling, fish?
- NO? d. UI student or employee volunteer participation/observation of non UI research activities involving animal capture & handling

*Should we ask each organization if they have an ACU permit - as part of our registration process for facility use?*

2. UI Researchers - each PI is responsible for obtaining ACU Permit

- a. Biohazards consultation *When do we need it?*
  - YES i. Small mammal trapping
  - SAFETY OFFICE ii. Large mammal necropsy & disease testing ✓
  - NO iii. Wolf den visits / wolf pup counts ✓
  - YES? iv. Animal handling (rattlesnakes, bats) ✓
  - v. Incidental - bighorn sheep disease testing/necropsy, *pasteurella biotype*

3. TRFS Educational Programs (TRFS Managers or Faculty as PI)

- YES a. Undergrad research: fish stomach lavage, mammal hair snags/bait, (small mammal trapping)
- YES b. Internship activities: large mammal immobilization, radio telemetry, mammal bait site/hair snags/remote camera, incidental necropsy

*Collection of dead animals to send to Caine / let Ctr or IDF&G (squirrels)*

- GPS radio collar project - upcoming pilot project + internship educational activity

**Taylor Ranch**

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**From:** "Brad Williams, DVM" <bradw@uidaho.edu>  
**To:** "Taylor Ranch" <tayranch@direcpc.com>  
**Sent:** Friday, February 11, 2005 11:09 AM  
**Subject:** RE: Taylor Ranch

Jim & Holly,

The ACUC meets at 10AM on Wednesday February 16 in Morrill Hall 103E. We'll put you at the start on the agenda. All good topics in your list. Thanks for coming up with it.

As a general rule if UI personnel (student, faculty, staff) are involved working with live vertebrates regardless of who the lead investigator is (UI or Non-UI), the ACUC will want to see a protocol from the PI. If the UI has no connection with the actual animal work and the project involves free-ranging animals, then a protocol is not required for us. The PIs home institution may require one though. For non-UI projects, if the project could not be conducted without assistance from you or your staff for anything other than transportation to and/from your facility and housing/food while at your facility, then there probably should be a UI protocol. You should keep a copy of each protocol being conducted on hand so that you know what has been approved. If animals are maintained for longer than 12 hours then the ACUC needs to inspect the facilities not less than every 6 months. That would be one inspection trip I'd look forward to!

Brad Williams, DVM  
Campus Veterinarian / Network Support Specialist  
Research Office  
University of Idaho  
Moscow, Idaho 83844-3010  
Voice: 208-885-8958  
Fax: 208-885-6198

-----Original Message-----

**From:** Taylor Ranch [mailto:tayranch@direcpc.com]  
**Sent:** Thursday, February 10, 2005 11:48 AM  
**To:** Brad Williams  
**Subject:** Taylor Ranch

Hi Brad,

Attached is a summary of topics we want to discuss with you or the ACU committee regarding Taylor Ranch Field Station participation in ACU permitting. We have a lot of questions, so perhaps you can address some of those directly with us via email or a meeting in Moscow next week and you can select those topics that are best discussed at the ACUC meeting.

Jim & Holly Akenson  
Managers/Scientists  
Taylor Ranch Field Station  
University of Idaho  
HC 83 Box 8070  
Cascade, ID 83611  
[tayranch@direcpc.com](mailto:tayranch@direcpc.com)

2/11/2005

**Taylor Ranch**

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**From:** "Brad Williams, DVM" <bradw@uidaho.edu>  
**To:** "Taylor Ranch" <tayranch@direcpc.com>  
**Cc:** "Holly Gates-Mayer" <hollyg@uidaho.edu>  
**Sent:** Monday, January 31, 2005 10:03 AM  
**Subject:** RE: schedule apptmt

Hi Holly,

Happy to meet with you. I will be in town during that time period and am currently only booked for an ACUC meeting at 10AM on the 16th. Once you know a specific time that you wish to meet get back with me. You could even come to the committee meeting and meet with the entire committee if you like.

As far as what does/does not need IACUC review, all research, teaching and demonstration projects that utilize live vertebrate animals in which UI personnel participate require ACUC approval regardless of location of the project or source of animals. We really don't care which UI personnel submits the protocol, but the PI on the ACUC protocol needs to be a faculty member. Demonstrations and classes that involve only non-invasive procedures may all be co-mingled on one protocol. Research projects must be on their protocol, although more than one grant may be included on an individual protocol. If you or Jim are not faculty members but are the ones conducting the workshops, we could probably make an exception. The PI on the protocol assumes all responsibility for actions by all personnel participating in the project.

Any project in which live vertebrate animals are not used but where there is exposure to vertebrate fresh tissues or animal waste needs to be reported to the ACUC so that we can work together with the Safety Office to determine what, if any, protective measures need to be taken by staff to prevent exposure to occupational health related issues.

Brad Williams, DVM  
 Campus Veterinarian / Network Support Specialist  
 Research Office  
 University of Idaho  
 Moscow, Idaho 83844-3010  
 Voice: 208-885-8958  
 Fax: 208-885-6198

-----Original Message-----

**From:** Taylor Ranch [mailto:tayranch@direcpc.com]  
**Sent:** Monday, January 31, 2005 10:32 AM  
**To:** bradw@uidaho.edu  
**Subject:** schedule apptmt

Hello Brad,

Jim and I will be on campus February 14-18. We would like to schedule an appointment with you that week if you are available. We conduct a variety of educational activities with students at Taylor Ranch Field Station and the station hosts research projects and classes conducted by UI researchers as well as agency scientists and managers. We would like to learn what types of activities require ACUC protocols and which researchers are affected by UI policies. We can be reached most easily by email; an alternative is satellite phone 1-888-842-7547.

Holly Akenson

Jim & Holly Akenson  
 Managers/Scientists  
 Taylor Ranch Field Station  
 University of Idaho  
 HC 83 Box 8070  
 Cascade, ID 83611

2/8/2005

**Taylor Ranch**

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**From:** "Holly Gates-Mayer" <hollyg@uidaho.edu>  
**To:** <tayranch@direpc.com>  
**Sent:** Monday, January 31, 2005 10:42 AM  
**Subject:** Research Activities that take place at Taylor Ranch

Hi Holly,

Brad Williams sent me a copy of your email regarding research activities conducted at the Taylor Ranch. I work in the Environmental Health and Safety Office and serve on the biosafety committee. Occasionally I hear from folks that work in CNR about field studies that they are planning and they mention that they may be trapping rodents, or working with animals that could harbor a zoonotic disease, or maybe working with a material that has the potential to cause significant harm to people if not handled carefully. We have an Animal Worker Medical Surveillance Program in place at the University but very few people seem to know about it. We are in the process of revamping our website but you may be able to get at least some idea of what kinds of programs are available. Also if you go to the Train Track system (see link below), you'll be able to see what kind of training workshops we offer. Please feel free to drop by our office if you have time and we can see if there is anything that our office can do to be of service to you and your program.

hantavirus  
bubonic plague  
disease testing  
necropsy

<https://www.training.uidaho.edu/traintrack/main.asp>

2/8/2005

**Taylor Ranch**

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**From:** <campusvet@uidaho.edu>  
**To:** <tayranch@uidaho.edu>  
**Sent:** Tuesday, March 05, 2002 11:01 PM  
**Subject:** Protocol 1999-23 - Predation and interactions of wolves and cougars in central Idaho

**University of Idaho  
Animal Care and Use Committee**

**Date:** Thursday, February 28, 2002  
**To:** Holly A. Akenson  
**From:** Animal Care and Use Committee  
**Re:** Protocol 1999-23  
Predation and interactions of wolves and cougars in central Idaho

Your requested renewal of the animal care and use protocol shown above was reviewed by the Animal Care and Use Committee on Thursday, February 28, 2002.

This protocol was originally submitted for review on: Thursday,  
December 16, 1999  
The original approval date for this protocol is: Friday, December 17,  
1999  
This approval will remain in affect until: Tuesday, December 17, 2002  
The protocol may be continued by annual updates until: Tuesday,  
December 17, 2002

Federal laws and guidelines require that institutional animal care and use committees review ongoing projects annually. For the first two years after initial approval of the protocol you will be asked to submit an annual update form describing any changes in procedures or personnel. The committee may, at its discretion, extend approval for the project in yearly increments until the third anniversary of the original approval of the project. At that time, the protocol must be replaced by an entirely new submission.

ACU

## Investigator Responsibilities

If warm-blooded or cold-blooded vertebrate animals are used in teaching, research or product testing, their use must comply with all federal, state and University animal care and use regulations. A complete listing of the [University of Idaho Animal Care and Use Committees policies and procedures](#) is available on this website. The following is a quick reference list of your major responsibilities as a user of animals:

1. An approved animal care and use protocol must be in place to cover all animal procedures **PRIOR** to animals being ordered or procedures implemented. A permanent copy is maintained by the ACUC, but the investigator should also maintain a reference copy to ensure that only approved procedures are being conducted.
2. Any significant changes to a protocol must be approved **PRIOR** to their implementation. A detailed listing of what qualifies as significant changes to a protocol may be found in the ACUCs policy and procedure manual, but as a minimum includes:
  - a. changes in study objectives.
  - b. changes in animal numbers or species,
  - c. changes in the level of pain or distress incurred by the animals (ie., changes in the degree of invasiveness of a procedure or discomfort to an animal; changes from non-survival to survival surgery; changes in the duration, frequency, or number of procedures performed on an animal)
  - d. changes in drug usage from that specified in the protocol,
  - e. changes in personnel conducting procedures on the protocol.
3. It is the principal investigators responsibility to ensure that all personnel performing procedures have been adequately trained to perform the procedures with which they will be involved, including completing ACUC required training.
4. Complete health and experimental procedure records must be maintained for each animal. Group records are sufficient for routine management items such as vaccinations and castration, but must be kept on an individual basis for anesthetic procedures, surgeries, and treatment of unexpected medical conditions. These records are subject to review by the ACUC or the USDA upon request.
5. All records must be maintained for at least 3 years past the end of the funding period or after the end of the use of the animal in a teaching/research environment, whichever is longer.

For clarification or more information, contact:

Campus Veterinarian  
Research Office  
University of Idaho  
Moscow, Idaho 83844-3010

Voice: 208-885-8958  
FAX: 208-885-3198  
Email: [campusvet@uidaho.edu](mailto:campusvet@uidaho.edu)

Project description  
detailed; study  
design

- Online training
- Submit draft electronically for campus vet review
- Submit original protocol + 7 copies to the URO  
on the 2nd Tuesday of the month for review. (+ grant if applicable)
- ACU committee meets the week following 2nd Tuesday, each month  
(Include detailed project description)

Example

**University of Idaho**  
**Animal Care and Use Committee**  
**Standard Operating Procedure (SOP)**

**Number** 2001.9  
**Version** 1  
**Last Updated** 1/17/01  
**Title** Capture of sage grouse using spotlighting  
**Species** Sage Grouse

### **Purpose**

Sage grouse are a species in decline across their range. More information on movements, habitat use, survival and impacts of human activity is needed to better manage the species. Many studies require the capture of individual animals for marking, attachment or implantation of transmitters, or for measuring current biological parameters.

### **Potential Impact on Animal Subjects**

When performed correctly, the capture and release process has no ill effects on the animal. In the event that an individual animal is accidentally injured while being handled, it will be evaluated on site as to whether the bird should be released or euthanized. Euthanasia will only be used if the bird has a broken wing or leg such that it cannot survive in the wild. Cervical dislocation will be used in such an emergency situation, but this should occur very infrequently under field conditions. Euthanized birds will be given to the respective state wildlife agency for disposal or use (museum specimen or live-mounting if the agency so chooses).

### **Description**

Sage grouse will be captured on or near leks (communal display grounds) at night. A spotlight will be shined on a bird, the bird captured with a long-handled net, and then physically restrained. Protocol specific procedures will then be performed requiring various amounts of time. Animals are then released at the point of capture.

### **References**

1. Incredible Idaho, May 1999, video tape on file with ACUC.