The Proposal Program is funded by the National Park Service UW-NPS and Research Station at the University of Wyoming. It is limited to US academic agencies, government and NGO researchers conducting their studies in the Greater Yellowstone Area.

Priority will be given to outstanding research proposals with potential for significant contributions which may be best addressed in a park setting or to researchers using the UW-NPS Research Station in Grand Teton National Park. These awards may be used as seed money to initiate promising new research programs. It is essential that contact be made with the park in advance to ensure that the research is compatible with park management. The proposal must identify the individual from the park unit who was contacted. The researcher must provide evidence that all necessary permits can be obtained to conduct the research.

Project Investigators
The scientist(s) submitting a research proposal is (are) expected to be the designated project investigator(s). The project investigator(s) must be a faculty member of an academic institution (academic institution is defined as one having a full-time (9 mo.) resident graduate and/or undergraduate student body), or be a full time member of a governmental or NGO research institution. Fiscal accountability must be assigned to the respective research institution. Undergraduate and graduate students cannot be lead project investigators.

Types of Research Proposals
All investigators desiring to work out of the UW-NPS Research Station in Grand Teton National Park must submit a research proposal. Also, the housing application attached to this newsletter must be submitted with proposals. Proposals for the Grant Program will usually be seeking partial or total support for a new research project. These proposals will require less than one year to complete and a budget of $5000 or less with no overhead or indirect costs. No more than $500 will be allowed for faculty supervision of field work and writing of the final report. General proposals may have partial or complete outside funding for research to be conducted at or through the Research Station. In those situations, proposals are to be submitted for Station approval regardless of funding. These proposals should be designed to be completed within one year.

Proposal Preparation
All research proposals seeking fiscal support from the Research Station's Proposal Program shall be prepared using the following format. Please limit proposals to 6-8 pages plus cover sheet and budget.

Cover Sheet (see Appendix A)
Generally, the authorized representative of the sponsoring institution will be the university president, agency or NGO supervisor or his/her designee.

Justification and Scope
Include here a clear statement of the problem with well-defined objectives of the proposed research. This section should demonstrate the degree of scientific knowledge with respect to relevant literature and "state of the art" research needs, potential problems which may be encountered and the general approach to be used.

Significance
Discuss the significance or potential application of information to be derived from the proposed study. This should include a description of the expected final product, i.e. a technical journal article and/or a tool for resource management.

Methods
This section should contain a clear statement of research design and methods, i.e. location of study sites, facilities required, National Park Service or other agency
assistance required (collecting permits, data and records, equipment, special study area requirements, etc.), as well as other research techniques. At the time of proposal submission, approval for these study requirements should have been obtained from the concerned park and/or other resource agencies.

Budget
Include time and rate for all salaries. Please note that PI salary is limited to $500 including fringe benefits. No overhead or indirect cost will be awarded. Cost Share or matching fund information is not required.

Travel mileage charges shall not exceed $0.575 mile. Consider all items costing more than $5000 and having a shelf life of more than 1 year as equipment. All equipment purchased with Research Station funds remain the property of the Research Station.

Other Resources and Support
Please include information about other resources at the PI’s disposal that will enhance the proposed research.

Budget Justification
A Statement is required that justifies the general expenditures for supplies, travel and equipment.

Biographical Sketch of Project Investigator(s)
Include pertinent research projects, dates, amount and source of funding and scientific publications and reports. This brief summary should not exceed 1 page/person.

Reports
A Final Report is required to complete a resource research contract agreement: This report will appear in our online UW-NPS Annual Report available at [http://repository.uwyo.edu/uwnpsrc_reports/](http://repository.uwyo.edu/uwnpsrc_reports/). However, investigators are encouraged to publish the findings of their investigations in scientific publications. The final report should be emailed to Celeste Havener (chavener@uwyo.edu).

Specimen Collections
National Park Service (NPS) regulations and management policies require accountability for specimens collected in parks. Projects which involve specimen collecting are subject to curatorial requirements which should be included in the contract schedule. These requirements include accessioning and cataloging the specimens in the NPS museum collection (National Catalog) according to guidelines in the Museum Handbook - Park II and the Users Manual for the Automated National Catalog System (ANCS). This document is available from the National Park Service, Chief of the Branch of Science, Rocky Mountain Regional Office.

The park collection manager or curator is responsible for accessioning a collection which includes both specimens and accompanying “field notes.” Specimen cataloging is commonly a joint park staff-researcher responsibility involving the following activities

- identification
- specimen preparation (e.g., pressing and mounting herbarium specimen)
- preparation of label(s)
- preparation of catalog worksheet(s)
- marking specimen/label with NPS catalog number
- completing NPS catalog record (enter data into ANCS).

It is required that specimens being placed in a non-NPS repository be loaned to the repository. Park staff are responsible for completion of necessary loan documents. If a study involves the destruction of collected specimens, those specimens are not cataloged in the NPS National Catalog. The data are to be made public and reports filed with the appropriate officials. Special considerations and/or constraints related to any research project require that procedures addressing the foregoing should be clearly developed by the park collection manager/curator and the project investigator. Such procedures should be reflected in any research proposal being submitted to the Research Station.

Proposal Submission
**ELECTRONIC SUBMISSIONS ONLY.** Submissions should be submitted in PDF format to: Celeste Havener chavener@uwyo.edu. The coversheet, with appropriate original signature can be submitted as a separate PDF.

Proposal Evaluation
Before submission, each proposal should be reviewed by the investigator(s) for qualitative fulfillment of preparation criteria. All proposals will be subjected to the following review process:

1. A 6-member UW-NPS Research Station Steering Committee composed of UW faculty and NPS scientists will review and make the final evaluation of all proposals seeking funding support.

2. In the meeting of the Steering Committee, reviews by the Park personnel and University of Wyoming faculty are evaluated and selection of proposals for funding are made.

Notification of Proposal Status
Each project investigator will be notified of the Steering Committee’s action on their proposal no later than March 30, 2015. Budgetary details and negotiations will then be undertaken.

1/7/15  RFP and guidelines mailed to potential researchers
3/9/15  Last day proposals accepted.
3/30/15  Research proposal acceptance/denial notification.
5/1/15  Initiation of contract, start field work as appropriate.
1/30/16  Report due to UW NPS Research Center
Hydrology, Air Quality, and Geology

Use of LiDAR for habitat characterization and change analysis, especially in alpine and sub-alpine areas.

Use of LiDAR for fire fuels modeling.

Effects of cloud seeding on climate change modeling and analysis in the GYA.

Use of LiDAR to identify geologic hazards.

Glacier monitoring: relating trends in mass balance to down-scaled regional vs. local climate data.

Compiling and analyzing local stream temperature data for change/trends, assessing implications of warming temps for water quality and aquatic species survival.

Effects of dam removal on snowmelt dominated streams: long term analysis for Spread Creek.

Change analysis techniques for assessing habitat change from aerial photography (NAIP imagery).

Inventory of thermophilic organisms and micro- and macro-invertebrates in thermal areas in GRTE and JODR.

Development of a water quality monitoring protocol for Huckleberry Hot Springs and Kelly Warm Spring.

(For questions about geologic and hydrologic studies, contact Kathy Mellander, Hydrologist/GIS Specialist, 307-739-3493)

Ecology, Vegetation, and Soils

Predicting the spread of cheatgrass in relation to climate change on a local scale in Grand Teton National Park.

Soil food web study of Kelly hayfields to determine differences between native and agricultural soils.

Investigate effects of earlier plant flowering on pollinators and/or wildlife.

For questions about studies of vegetation & soils, contact Kelly McCloskey, ecologist, 307-739-3678)

Fish & Wildlife

Potential overlap in diet and habitat use of mountain goats and bighorn sheep in Grand Teton NP.

Identify native and non-native fish, amphibians, and invertebrates in Kelly Warm Springs and their tolerance ranges for water temperature and chemistry.

Seasonal movements and habitat use of sage grouse in Grand Teton NP.

Occurrence of lynx in and around Grand Teton NP.

Ecological and/or human factors associated with long-term decline of nesting great blue herons in Grand Teton.

Distribution and genetics of Northern leatherside (Lepidomeda copei) in Grand Teton NP.

Strategies for controlling/eliminating exotic aquatic species (brook trout, rainbow trout, New Zealand mudsnails) in GTNP.

Identify tributaries to Jackson Lake for cutthroat trout recruitment.

Investigate fish entrainment and water rights in selected irrigation ditches within the park.

(For questions about fish & wildlife projects, contact Steve Cain, senior wildlife biologist, 307-739-3485)
History

Complete a history of the elk reduction program in Grand Teton National Park
Complete an initial context study of “imaging Grand Teton National Park,” a history of painters, film makers, and artists
Complete a history of the Civilian Conservation Corps’ involvement in Grand Teton National Park, including road, trail, building construction and clean-up work conducted around Jackson Lake
Research and document the Buffalo Fork Ranger Station
Research and document three park cemeteries

Archeology

Create a field guide to the classification of common projectile points in Grand Teton
Synthesize and interpret Jenny Lake/String Lake site information from existing reports, collections, and informants
Record and document irrigation systems in the Antelope Flats area
(For questions about archeology topics, contact Stacey Whitman, archeologist, 307-739-3643)

Historic Structures

Create a barn typology study - builders, styles, condition, era, function
Analyze, document, and propose new design detailing for historic rolled roofing common among park historic structures
Study UV degradation of logs on park historic structures and propose a research methodology for analyzing various UV protection products
Complete study of pest management in historic structures with particular focus on techniques for bat exclusion
Complete a Preservation Maintenance Guide for Colter Bay Village
(For questions about history or historic structures topics, contact Betsy Engle, cultural resources specialist, 307-739-3671)

Museum Collections

Investigate the history of the David T. Vernon Collection of Indian Arts and Artifacts and what became of 8500 objects that are no longer part of the collection
Identify subjects and document provenance for historic images of Grand Teton NP
(For questions about museum topics, contact Bridgette Guild, museum curator, 307-739-3494)

Soundscapes

Assess propagation of transportation noise in the park’s backcountry
Develop a soundscape website including park-provided acoustic map and representative recordings

Wilderness

Investigate the ecological and sociological (visitor experience) effects of visitation in high and low use wilderness areas.
(For questions about soundscape and wilderness projects, contact Shan Burson, bioacoustic ecologist, 307-739-3584)
PROPOSAL NO: __________

EVALUATION RATING: __________

FINAL ACTION: __________

(Administrative Use Only)

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Name of Principal Investigator: __

Title or Status:

Department:

Institution:  

Address:

(City)  (State)  (Zip)

Telephone:  Office: ______________ Dept: ______________ Home:

E-Mail Address:

Name or Names of Co-Investigators:

Project Title: ________________________________________________________________

Budget spreadsheet

Funding Required:

Amount Requested from Research Station: $ ______________  Amount of Other Support: $ ______________

Date of Project Initiation: ______________ Date of Termination: _______________________

Will Housing be Required: ( ) Yes  ( ) No  If Yes, where:

Date:

Signature of Authorized Representative of Sponsoring Institution

Name* :
Title :
Address :

Institution Contract Officer To Whom Contract Correspondence Should Be Sent:

Name: __________________________ Address: __________________________ Phone:

*All grants will be made payable to the sponsoring institution for disbursement to project investigators. Signatures on this document acknowledge that if a research project is approved, the investigator will provide the Research Station with prescribed reports as scheduled in the award.
UNIVERSITY OF WYOMING-NATIONAL PARK SERVICE RESEARCH STATION at the AMK RANCH
GRAND TETON NATIONAL PARK
HOUSING APPLICATION

NAME: ___________________________ DATE: ___________________________
ADDRESS: ___________________________________________________________________________
INSTITUTION AFFILIATION: ___________________________________________________________
AREA OF STUDY: _________________________________________________________________
WEB SITE: ___________________________________________________________________________

EMAIL: ___________________________ PHONE: ___________________________

DATES OF RESIDENCE AT THE RESEARCH STATION

RATES This year are $25.00 for the 1st person and $7.50 for each additional person in the room.

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You will be charged for all the dates you have reserved unless you cancel one week in advance of the reservation arrival date.

All research groups staying at the AMK Ranch are required to provide an 8-10 page report to the UW NPS Research Center by January 1st 2016. Classes are required to provide a 3-5 page summary of objective/goals of the class/course and several picture of the class activities. The report can be emailed to chavener@uwyo.edu

COMPOSITION OF YOUR PARTY:

Please realize that space at the AMK is limited and families will be accommodated only after active researchers have been placed in housing.

Family Members:  Wife or Husband: ______  Children: _______
Number of Non-Family Members (specify sex) requiring separate space: _______

RESEARCH STATION HOUSING PREFERENCE (see website at http://www.uwyo.edu/uwnps/facilities/)

First Choice: ____________________________________________
Second Choice: __________________________________________

SPECIAL RESEARCH EQUIPMENT AND SPACE NEEDS AT STATION: Lab space is at a premium. Do not expect lab space when you arrive if prior arrangements have not been made

________________________________________________________________________

For specific questions please email Harold Bergman (Bergman@uwyo.edu)
or Celeste Havener (chavener@uwyo.edu)

Housing Application is also online at http://www.uwyo.edu/uwnps/linkslist.asp?linktype=Forms