



GEOSCIENTISTS-IN-THE-PARKS Internship Program

PROJECT DESCRIPTION 2020 FALL/WINTER

NPS UNIT: KLAMATH INVENTORY & MONITORING NETWORK	PD #: 2020474, 2020482
<p>Position Title: Biology Assistant (1) Position Type: Guest Scientist Primary natural resource discipline: Biological resources Project keywords: bats, radiotracking, telemetry, roosts, ecology Location: Ashland, Oregon</p>	
COVID-19 NOTICE	
<p>This project description was developed prior to the onset of the COVID-19 outbreak. Therefore, project timelines and structure remain flexible and it may be necessary to postpone start dates, begin work remotely, or reformulate the project's description. Should any development in the COVID-19 outbreak impair a project's timeline or results, the GIP Team will work with the park and project mentors to assess the situation and determine the best course of action at that time.</p>	
PROJECT DESCRIPTION AND WORK PRODUCTS	
<p>Position Description: The six parks within the NPS Klamath Network Inventory & Monitoring program (KLMN) are situated in northern California and southern Oregon and include Crater Lake, Lassen Volcanic, and Redwood National Parks, Whiskeytown National Recreation Area, and Oregon Caves and Lava Beds National Monuments. In spring 2019, the first indications of Pd in California were found by the KLMN bat crew and cooperators at colony roosts near Lassen Volcanic National Park. Later that year, we conducted the pilot season of a project to study fall roost behavior and locate fall and winter roosts of these WNS-susceptible species. We will continue this radiotelemetry study in fall 2020 and are hiring a guest scientist to assist with capture, telemetry, and roost monitoring. Findings from this study will support local decision-making and informed management of bat habitat.</p> <p>Duties will involve: capturing bats with mist nets, hand nets, and funnel traps; identifying bats to species; conducting daytime and nighttime radiotelemetry on foot and in vehicles to locate radiotagged bats in their fall or winter roosts; installing antenna arrays and telemetry receiver stations; locating new roosts and conducting exit counts at known roosts; conducting acoustic monitoring; maintaining and decontaminating equipment per WNS protocols, entering and proofing data; preparation of reports.</p> <p>The mission of the NPS Inventory and Monitoring Program is to collect and provide relevant scientific information on biological resources to support park managers in protecting the park's natural resources, and park interpretive staff in communicating information to the public. This project will investigate and characterize the types of fall and winter roosts used by white nose susceptible bat species in northern California, and ultimately support informed decision making on bat habitat.</p> <p>This position is offered through the National Park Service's Geoscientists-in-the-Parks (GIP) Internship Program in partnership with Stewards Individual Placement Program (Stewards) and The Geological Society of America (GSA).</p> <p>Work Products: Data on fall colony size, roost behavior, and roost characteristics.</p>	

QUALIFICATIONS
<p>Applicants must have, or be working towards, a B.S. in Biology, Wildlife, Environmental Sciences, or related field. The participant should be able to work well both independently and with a team, both in the office and in the field, and be willing to work flexible and sometimes unpredictable hours (including evenings and weekends). Applicants must have basic map reading, navigation, and GPS orientation skills, and be capable of hiking long distances off trail while carrying equipment in rugged environments and temperature extremes.</p> <p>Prior field experience is necessary (e.g., paid or volunteer on research, natural resource management, or other field projects.). Highly desirable is prior experience with radiotelemetry and bat-related field methods (mist netting, acoustic monitoring, species identification, etc.). To handle bats, the rabies pre-exposure vaccination series must have been completed prior to start of the internship. Individuals without vaccinations will be taught capture techniques, species identification, and other field techniques, but will not handle bats.</p> <p>The applicant must be a U.S. citizen or U.S. permanent legal resident (“green-card-holder”) between the ages of 18 and 30 years old, inclusive, or veteran up to age 35. Prior to starting this position, a government security background clearance will be required.</p>
VEHICLE AND DRIVER LICENSE REQUIREMENTS
<p>Applicant must have a valid driver license and a good driving record. Intern will drive an NPS vehicle between Klamath Network’s office in Ashland, OR and field sites in northern California and southern Oregon. Some roads may require 4WD or AWD vehicles.</p> <p>A personal vehicle is REQUIRED for this position. While grocery and basic necessities can be purchased nearby, a personal vehicle is required as the field site is relatively remote from other towns.</p> <p>If the GIP is required to drive a park vehicle for their position, Stewards will perform a driving records search, and the GIP’s ability to drive a park vehicle during work hours will be contingent upon the results. GIPs will have to have had their license for 3 years or be over the age of 21 to be insured as drivers under Stewards insurance policy. Examples of things that will preclude a GIP from driving a park vehicle include: GIP under the age of 21 years old that has been licensed less than three years, DUIs, multiple moving vehicle violations, suspended or revoked license, or three or more accidents (regardless of fault) in the last 3 years. If the driver’s search is favorable, Stewards will provide driver’s liability insurance while the intern is driving a NPS vehicle for their GIP position. If the GIP is denied coverage by Stewards, they will not be permitted to drive during work hours.</p>
HOUSING
<p>Park housing is available and will be provided at no cost to the participant. Housing may or may not be in a park, and will consist of a shared bedroom, bath, kitchen, and living area.</p>
INTERNSHIP DATES
<p>Start Date: 9/7/2020 Number of weeks: 12 weeks Flexible start date: Yes</p>
LIVING ALLOWANCE
<p>12 weeks (\$400/week = \$4,800)</p>
RELOCATION ALLOWANCE
<p>\$250</p>

AMERICORPS PROGRAM



AmeriCorps is a program that engages individuals in intensive community service work with the goal of “helping others and meeting critical needs in the community”. The GIP Program is supported through AmeriCorps by providing a Segal Education Award in addition to the GIP’s living stipend and relocation allowance.

Upon successful completion of the GIP position, the GIPs (AmeriCorps members) are eligible for a \$1,612 - \$6,095 pre-tax education award that can be used for paying back student loans or for continuing their education. The amount of the education award is based on the length of the position.

AmeriCorps limits the number of terms an individual can serve to 4 terms. If an applicant has previously completed 4 GIP or other AmeriCorps positions, they will not be eligible to apply for an additional GIP position.

NATURAL AND PHYSICAL WORK ENVIRONMENT

Natural Environment: Many duties will be performed at night (such as bat capture and telemetry), and under a range of conditions, elevations (500 ft to 8,000ft), and climatic settings, from very hot and dry conditions at Whiskeytown NRA to very cold and wet conditions near Lassen Volcanic NP. Field work will be performed in areas of scenic beauty that are often accompanied by inclement weather, biting insects, and temperature extremes.

Physical Work Environment: Crew will be based in or near Lassen Volcanic National Park. A majority of time will be spent in the field, with office time occurring at the beginning or end of each hitch for trip planning, gear maintenance, prep, and cleaning, data entry, report prep, and other administrative tasks. Field sites range from nearby to up to 2 hours away by vehicle, and may occasionally involve camping. Duties involve periods of moderate to strenuous activity, with hiking and/or carrying heavy equipment over rough and uneven terrain for moderate distances, and at other times, standing for long periods. Many activities will occur at night. Duties require a flexible schedule and an ability to adapt to field conditions and weather.

MENTORING AND LEARNING GOALS

Mentoring: Supervisor will provide project oversight, from initial training and orientation to safety, logistics, and project planning. After initial training and a startup period, the Intern will receive guidance and supervision from the on-site project lead. The intern will have opportunities to meet and work with other subject matter experts in the region. Supervisor will provide mentorship on study design, field logistics and planning, interacting with agency staff and cooperators.

Learning Goals: Bat monitoring techniques including acoustic monitoring, mistnetting, bat handling, species identification, roost surveys, acoustic data analysis. Radiotelemetry. Field logistics and planning. Proper data collection and management techniques. Insight into park wildlife management needs. Interpersonal skills: interacting with coworkers and other wildlife professionals.

SUPERVISORS/MENTORS

Primary:

Alice Chung-MacCoubrey
Program Manager
1250 Siskiyou Boulevard
Ashland, Oregon 97520
(541) 552-8575 | alice_chung-maccoubrey@nps.gov
<https://www.nps.gov/im/klmn/index.htm>

Secondary:

Eric Dinger
Aquatic Ecologist
1250 Siskiyou Boulevard
Ashland, ORegon 97520
(541) 552-8574 | eric_dinger@nps.gov
<https://www.nps.gov/im/klmn/index.htm>