



GEOSCIENTISTS-IN-THE-PARKS Internship Program

2019 – PROJECT DESCRIPTION FALL/WINTER SEASON

NPS UNIT: OREGON CAVES NATIONAL MONUMENT AND PRESERVE	PD #: 2019450
<p>Position Title: Natural Resource Management Assistant (1) Position Type: GIP Intern Primary natural resource discipline: Multidisciplinary Project keywords: Caves, GIS, GPS, bats, education, inventory, monitoring, citizen science, YCC, acoustic Location: Cave Junction, Oregon</p>	
PROJECT DESCRIPTION AND WORK PRODUCTS	
<p>Position Description: The focus of this position will be to assist in natural resource projects, GIS & GPS inventory and mapping, and literature review of White-nose Syndrome (WNS).</p> <p>Resource project assistance will include bat monitoring (mist netting, acoustic field collection, acoustic file processing and telemetry tracking), cave monitoring (entrance vegetation, scat, invertebrates, Hobo™ climate data-loggers, water levels, and visitation), producing interpretive talks for park staff and the public, leading the Wildflower Phenology citizen science project with iNaturalist™ and report writing.</p> <p>GIS & GPS inventory and mapping will include facility and trail condition assessments, bat acoustics mapping, and translating GIS data for databases and public information.</p> <p>WNS literature review will include updating literature in park files, and continuing contributions to a book on WNS targeting youth.</p> <p>The intern will also assist other ongoing projects as needed including: equipment maintenance, other GIS mapping, data processing, bird banding, cultural resources, trail maintenance, etc.</p> <p>The park’s Resource Division will provide oversight to ensure the intern learns new skills in the listed areas, has opportunities to use their skills in the field and office, and develops the ability to lead projects independently in a NPS environment.</p> <p>The goal of this position is to complete park priority projects safely while developing the knowledge, skills and abilities of the intern. The planned outcome is completion of finite projects, substantial contribution to multi-year projects and development of a student in preparation for other NPS positions.</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: Deliverables expected from the internship are completion of summer bat monitoring, summer cave monitoring, mini-presentations about resource topics, trail condition assessments, and</p>	

summary reports, along with continued development of a citizen science project, and WNS literature review documents.

QUALIFICATIONS

Ability to collect and process bat acoustic files, to complete GIS / GPS mapping projects, to analyze and translate scientific literature, to work in a rugged field setting and to work in a sedentary office setting.

Ability to use computers, including: Microsoft Office™ products, Google™ products, ArcGIS™ software, and bat processing software similar to Sonobat™.

Ability to complete field work, including: collecting quality data, performing error correction, operating a GPS tablet loaded with Collector™, Survey123™, and Avenza™ software, operating a Petterson bat acoustic detector, conducting bat mist-netting, and identifying wildflowers.

Ability to work with others, including: Working well as a leader or a team member, communicating well with co-workers, volunteers and the public, and mentoring co-workers.

The applicant must be a U.S. citizen or U.S. permanent legal resident (“green-card-holder”) between the ages of 18 and 35 years old. Prior to starting this position a government security background clearance will be required.

VEHICLE/DRIVER LICENSE REQUIREMENTS


Applicant must have a valid driver license and a good driving record. The intern will drive Park vehicles for official business.

A personal vehicle is RECOMMENDED but not required for this position. Park housing is adjacent to park offices located 20 miles from the small, full-service town of Cave Junction. Park vehicles will only be used for official travel. There is no public transportation within the park but carpooling with others is usually possible. Applicants with a personal vehicle are preferred.

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.

HOUSING

Park housing is available and will be provided at no cost to the participant. Park housing is in a dorm or shared-house setting. Living at Oregon Caves is a social environment. Individual rooms are shared (usually) or private and have a twin bed, dresser, and closet space for each person. The intern will need to provide their own food, linens and all other personal items. Utilities, bathroom facilities, fully stocked kitchens (refrigerator, appliances, dishes), washer/dryer, limited wifi, and a house phone are provided and shared. Cellular reception is limited. Restaurants, gas stations, grocery stores, coffee shops (high speed wifi), etc. are 20 miles away.

INTERNSHIP START/END DATES	
Start Date: 6/1/2020	
Number of weeks: 12 weeks	
Flexibility of dates: Yes	
LIVING ALLOWANCE	
12 weeks (\$350/week = \$4,200)	
RELOCATION ALLOWANCE	
\$250 (mainland only)	
AMERICORPS PROGRAM	
	<p>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.</p> <p>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.</p> <p>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.</p>
NATURAL & PHYSICAL WORK ENVIRONMENT	
<p>Natural Environment: Oregon Caves is a mountain forest setting located at 4000' elevation. The park housing, offices and visitor center are clustered together just outside the cave entrance. Cave Junction is 20 miles away with a grocery store, organic store, dollar store, and numerous restaurants and activities. Grants Pass and Medford are large cities located one to 1-1/2 hours away with all amenities and the closest hospital. Redwood National Park and beautiful beaches are within 2 hours drive from the park. Weather will likely be mild with a mix of sun and rain. Heavy rain and snow are also possible, or likely depending on the year.</p> <p>Physical Work Environment: This position will be a combination of sedentary office work using computers and field work in rugged conditions. The GIP must be able to work in an office setting, traverse varied terrain including slopes, uneven trails, cross-country areas, wet areas, occasionally snow-covered areas, and lead YCC students in the field.</p>	
MENTORING AND LEARNING GOALS	
<p>Mentoring: This position will be mentored in all areas described while working alongside NPS employees, which will lead to working independently and mentoring others (volunteers and Youth Conservation Corps students). The staff at Oregon Caves will train the intern in NPS safety policies, bat monitoring, cave monitoring, exotic plant removal, WNS literature, GPS/GIS processing, working with volunteers and giving interpretive talks to complete assigned tasks.</p> <p>Learning Goals: The learning goals of this position are to improve proficiency with bat monitoring (mist net operation, bat handling, acoustic field collection, acoustic file processing and telemetry tracking), cave monitoring (entrance vegetation, scat, invertebrates, Hobo™ climate data-loggers, water levels, and visitation), producing interpretive talks for park staff and the public, leading the Wildflower Phenology citizen science project with iNaturalist™ and report writing.</p>	
SUPERVISORS	
Primary Supervisor:	Secondary Supervisor:

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