



GEOSCIENTISTS-IN-THE-PARKS Internship Program

PROJECT DESCRIPTION 2020 FALL/WINTER

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| NPS UNIT: BIG SOUTH FORK NATIONAL RIVER AND RECREATION AREA | PD #: 2020418 |
| <p>Position Title: GIS Assistant (1) Position Type: GIP Intern Primary natural resource discipline: Multidisciplinary Project keywords: GIS, GIS Data Management, GIS Data Collection Location: Oneida, Tennessee</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: Encompassing 125,000 acres of the Cumberland Plateau, Big South Fork National River and Recreation Area protects the free-flowing Big South Fork of the Cumberland River and its tributaries. The area boasts miles of scenic gorges and sandstone bluffs, is rich with natural and historic features and has been developed to provide visitors with a wide range of outdoor recreational activities. The GIS program is involved with all aspects of park management. The project may include updating and field checking existing natural and/or cultural resources data, creating new data from remote sensing products and field collection of data using a high accuracy GNSS receiver.</p> <p>The intern will work for the park’s GIS program data manager and duties will include work such as :</p> <ul style="list-style-type: none"> • The review and validation of existing datasets and associated metadata. • Field work to verify the spatial accuracy of existing data and to collect new data. • Creating new data sets and the associated metadata from remote sensing products such as Light Detection and Ranging data, (LiDAR) aerial photography, and satellite imagery. • Heads-up digitizing and georeferencing of paper maps and imagery for use in a GIS. <p>The objective of this position is to enhance the quality of the existing GIS data by validating existing data and creating new data sets from imagery and remote sensing products.</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: The creation of new data sets and the associated metadata from remote sensing products such as Light Detection and Ranging data, (LiDAR) aerial photography, and satellite imagery and from field data collected with GNSS Receiver</p> | |

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| QUALIFICATIONS |
| <ul style="list-style-type: none"> • Highest priority will be give to applicants seeking a degree in Geographic Information Systems, Geography or other related fields. • Have a strong working knowledge of ESRI GIS Software products (ArcMap, ArcPro, ArcGIS Online, Collector and Survey 123) • Be able to travel on foot through rough terrain to remote work locations <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. The intern must possess a driver license to be able to operate government vehicles in the performance of their duties.</p> <p>A personal vehicle is REQUIRED for this position. The intern must have their own transportation for use during off-duty hours to access grocery stores and other personal needs. (The distance from the housing area to the nearest grocery store is approximately 11 miles).</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 will be in a 4 bedroom dormitory. Each bedroom has two beds, two closets and a desk. You may be assigned a roommate based on demand. Each side of the dorm has two bedrooms, which share a bathroom and a kitchen. The center of the building contains a common area with a large living room with a TV and a utility/laundry room with a washer and dryer. No pets are allowed. This unit is ADA accessible.</p> |
| INTERNSHIP DATES |
| <p>Start Date: 9/14/2020 Number of weeks: 12 weeks Flexibility of dates: Yes</p> |
| LIVING ALLOWANCE |
| 12 weeks (\$350/week = \$4,200) |
| RELOCATION ALLOWANCE |
| \$250 |

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: The Big South Fork NRRRA encompassing 125,000 acres of the Cumberland Plateau in Tennessee and Kentucky. The hardwood forests protect the free-flowing Big South Fork of the Cumberland River and its tributaries. The area boasts miles of scenic gorges and sandstone bluffs, is rich with natural and historic features and has a wide range of outdoor recreational activities. Summers are Hot and Humid with temperatures well above 90 degrees on many days.

The work and housing area is approximately 11 miles east of Oneida, TN. Oneida contains grocery stores, shopping and other facilities.

Physical Work Environment: The work environment will be a mix of office (60-70%) and field work (30-40%). Field work can take place in remote locations several miles from the nearest road and require the ability able to travel on foot through rough terrain.

MENTORING AND LEARNING GOALS

Mentoring: This position reports to and is supervised and mentored by the park’s GIS Program Data Manager. The work assigned is associated with and supportive of the work of the GIS Program.

Learning Goals: The intern will gain skills in a wide range of GIS tasks such as geodatabase development, data review and validation, creation of new GIS data and remote sensing.

SUPERVISORS/MENTORS

Primary:

Tom Barnes
Gis Program Data Manager
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Secondary:

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