

## POSITION ANNOUNCEMENT:

### GEORGE MELENDEZ WRIGHT INITIATIVE FOR YOUNG LEADERS IN CLIMATE CHANGE

The National Park Service (NPS) is pleased to announce the *George Melendez Wright Initiative for Young Leaders in Climate Change* Initiative (YLCC) to provide a pathway for exemplary students in higher education (graduate students and advanced undergraduate students) to apply their skills and ideas to park-based challenges and solutions. The Initiative offers 12-week paid internships which allow students to gain valuable work experience, explore career options, and develop leadership skills through mentorship and guidance while helping to advance the NPS response to climate change. Successful students may be eligible for non-competitive hire into federal positions for which they qualify following completion of all academic requirements.

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### Mapping Climate Change Effects on Archeology Sites with ASMIS Legacy Data

WASO CR Archeology Program  
Washington, DC

Cultural resources such as archeological sites are vulnerable to the effects of climate change. However, there is very little usable data about climate change impacts to archeological sites in National Park Units. The Archeological Sites Management Information System (ASMIS) database contains many years of condition and management data on Archeology sites in America's National Parks. While these data were not intended to be used to understand climate change, they provide us with an opportunity to explore recent impacts to sites with the aid of a desktop Geographic Information System (GIS).

This challenge helps cultural resource managers in the NPS to provide stewardship for cultural resources, and helps managers and policy makers to develop a model for understanding the historic effects of climate change on archeological sites so that they may manage for future changes.

#### PROJECT DESCRIPTION

The goal of this project is to assist the Archeology Program (AP) in understanding how its inventory data can be used to understand the effects of sea level rise associated with climate change on archeological sites in national parks. Interns will work with AP staff to:

- 1) Participate in one-day ASMIS training;
- 2) Explore ASMIS data in advance of research design preparation;
- 3) Perform background research using available reference databases;
- 4) Define a series of ASMIS fields and values to incorporate into the GIS study;
- 5) Select a set of at least 5 (five) parks to include in the study;
- 6) Seek additional data sets that will be of use in conducting the study;
- 7) Contact park resource managers informal discussions about climate change sea level rise-related impacts to their resources;
- 8) Prepare GIS maps and datasets in accordance with applicable NPS and DOI standards;
- 9) Analyze, summarize, and report on findings.

The intern will produce several products, including a project work plan, a research design, a technical report, and a paper for presentation or publication. However the most important product will be a series of thematic maps that utilize data from the ASMIS to examine historic impacts to archeological sites in at least five National Parks.

### **QUALIFICATIONS**

Candidates should possess a Bachelor's degree in anthropology, archeology, geography, or a closely related field, and should be preparing for or involved in graduate study by the time the internship begins. Completed coursework should include introductory archeology courses, an archeological field school, and basic training in the use of desktop Geographic Information Systems (GIS). Candidates should have excellent basic computer skills, including a basic understanding of relational database systems and an ability to operate standard office software including Google apps and Microsoft Office. Excellent research and writing skills, including the ability to prepare research materials for publication are strongly desired.

### **LEADERSHIP DEVELOPMENT**

The intern will be responsible for coordinating her/his efforts with NPS professionals from a variety of disciplines, and for completing the project tasks in a timely way. The intern is expected to be able to manage workload and workflow independently, and to communicate needs, expectations, and achievements to her/his supervisor. The supervisor and the intern will develop a project work plan, and periodically evaluate the intern's progress.

Interns will improve their skills in networking, planning research, and communicating the results of research. The internship supervisor and other program staff will provide mentorship, training, and evaluation to the intern throughout the course of the program. The supervisor and other program staff will provide mentorship by introducing the intern to a network of NPS personnel with whom the intern may consult.

By building a network and developing a record of completed research in National Parks, the intern will begin preparation for a career in Federal service.

#### **DATES OF POSITION**

Dates for the internship are flexible, but could begin as early as May 1, 2015 and end as late as August of 2015.

#### **COMPENSATION**

This initiative supports one student at \$14 / hour for 12 weeks, or 480 hours.

#### **HOUSING**

No park housing is available for this internship. Interns in Washington, DC are responsible for securing their own housing. Local universities may rent dormitory space, and subleases and short leases are typically available for summer interns.

#### **WORK ENVIRONMENT**

The vast majority of the work will take place in an office setting in downtown Washington, D.C. Visits to parks and NPS facilities in the region may be possible.

#### **CONTACT INFORMATION**

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