Entomological Field Specialist: Argentine ant project, Haleakala Field Station, Maui, HI. May 1 through August 31, 2003.

Temporary, four-month, full-time position ($2500/mo, no benefits) with the Haleakala Field Station of the Pacific Island Ecosystem Research Center, United States Geological Survey, Biological Resources Division, Pacific Cooperative Studies Unit.

SUMMARY OF DUTIES:
Coordinates and conducts field operations for all aspects of the Argentine ant control project, and supervises and trains field technicians and interns hired to assist with project field work. Supervises and conducts: 1) field surveys for ants to determine location of populations, and delimiting of ant populations via marking and mapping their boundaries (using GPS); 2) annual containment treatment of Argentine ant populations using helicopters to apply granular bait to population boundaries; 3) field tests for new control strategies, including setting up of study plots, conducting treatments, and monitoring of ants pre and post-treatment; and 4) monitoring Argentine ant populations outside of the park. Collects detailed data, and summarizes and analyzes data using various spreadsheet, database, statistical, and Arcview software. Coordinates logistics, including: procurement of needed equipment, supplies, and services; and coordination of field operations with other Park divisions. Performs other related duties as assigned.

This position requires extensive hiking in rough, steep, rocky, unstable terrain between 7,500ft and 9000ft elevation, making excellent health and physical condition essential qualifications. The successful applicant will be responsible for making their own housing arrangements and obtaining medical insurance. Park housing can be rented, if the technician wishes to do so, at approximately $400/mo. Haleakala National Park is somewhat isolated; the entrance is located at the top of a road that climbs from about 3000ft to 6800ft via 10 miles of switchbacks. There is no public transportation system on Maui, so technicians will need to arrange their own means of transportation if they decide to live outside of the Park.

This position is in frequent contact with personnel of all divisions within Haleakala National Park. Also interacts with coworkers within the research program, visiting researchers, and technical experts. Provides supervision to field technicians and volunteers in relation to ant research activities. Position requires high attention to detail and extensive periods of time working at a desk or computer work station. Meets with supervisor weekly to discuss status of activities.


MINIMUM QUALIFICATIONS:

Citizenship: Applicants must be citizens of the United States.
**Education:** Bachelor’s degree from an accredited four-year college or university with a degree in Entomology or Biological sciences (with coursework in Entomology)

**Experience:** Two years of work experience in entomology or related fields. Experience must also include collection and management of biological data, and experience using word processing, database, spreadsheet, and Arcview software.

**Abilities, Knowledge, and Skills:** Ability to perform detailed data collection, and data entry, management and analysis; knowledge of entomology, insect survey methods, and monitoring techniques. Ability to work normal weekday hours and occasional evenings and weekends. Ability to work independently. Ability to periodically work alone in isolated areas. Must have a valid drivers license.

**Physical and/or Medical Demands:** Must be able to conduct field work in remote locations. Must be capable of hiking up to 10 miles a day, over rough terrain (including steep slopes, and rocky, unstable ground) carrying a pack weighing up to 30lbs.

**DESIRABLE QUALIFICATIONS:**
Experience with pest control research or the control of invasive arthropods, preferably in the context of conservation biology. Experience working in Hawaiian ecosystems. Proficiency with methods of statistical analysis and preparing reports. First aid training/certification (preferably Wilderness First Responder). Helicopter safety training.

**CONTACT INFORMATION:**

Will Haines, phone: 808-572-4472 or email: whaines@hawaii.edu

To apply, send resume, cover letter, and the names and phone numbers of three references to:

Mr. Will Haines
Research Dept.
Haleakala Field Station
P.O. Box 369
Makawao, HI 96768
(or send application materials as MS Word attachments to whaines@hawaii.edu)