Job Description

Job Title: EPSCoR ENDER Network Technician
Job ID: 10076
Project Name: UHH/EPSCR
Full/Part Time: Full-Time
Regular/Temporary: Regular

Job Summary
Regular, Full-Time, RCUH Non-Civil Service position with the Hawaii Experimental Program to Stimulate Competitive Research (EPSCoR) Environmental Dynamics & Ecosystems Responses (ENDER), Biology Department, located at the University of Hawai’i at Hilo in Hilo, Hawai’i. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, and availability of funds.

MINIMUM MONTHLY SALARY: $2,607/Mon.

DUTIES: Install and maintain a network of climate stations and lead a group of field technicians in establishing and monitoring ecosystem plots as part of the University’s National Science Foundation EPSCoR Research Infrastructure Improvement award. Work with UH Manoa, UH Hilo and US Forest Service team leads to install and maintain a network of climate stations. Prepare data loggers and sensors for field deployment, including programming loggers, planning sensor and power supply arrangement. Install sensor support masts and/or towers, including site preparation, excavation, pouring concrete footings, and erecting structures. Maintain new and existing climate stations, including data retrieval, sensor and logger troubleshooting, repair, maintenance, replacement, and recalibration. Download, enter, organize, and conduct quality control of climate data. Work with project team leads to direct the expansion of existing and development of new permanent, mapped forest plots across natural gradients in elevation/temperature. Direct the activities of three to six (3-6) person crews to establish, tag, and map trees on the permanent forest plots as directed by project leads. Vegetation sampling will include: species identification of native and non-native herbaceous and woody vegetation; estimating abundance of herbs, shrubs, trees, and bryophytes; measuring coarse woody debris; measuring overstory tree diameters and heights. Coordinate and lead monthly measurements of soil respiration and litterfall. Ensure accurate and timely collection of vegetation data by effectively planning and coordinating surveys; direct office activities relating to the project; engage in community outreach; secure and maintain active permits for all research activities.

PRIMARY QUALIFICATIONS: EDUCATION: Bachelor's Degree from an accredited four (4) year college or university in Biology, Botany, Ecology, Environmental Science, Geography, or related discipline. EXPERIENCE: One to three (1-3) years of demonstrated orienteering experience, including the use of topographic maps, aerial photography, and global positioning systems (GPS). ABIL/KNOW/SKILLS: Basic knowledge of the principles of climatology and plant ecology. Basic computer skills, including experience with Microsoft Excel for data management and spreadsheet development. Must possess a valid driver's license.

SECONDARY QUALIFICATIONS: Master's Degree from an accredited college or university in an appropriate field. Experience in the use of automated sensing systems, especially Campbell Scientific, Inc. data loggers. Experience in the use of equipment and methods for quantifying soil respiration and litterfall. Demonstrated skills leading and supervising a field crew in the collection of vegetation data. Working knowledge of Microsoft Access and geographic information systems (GIS) ArcMap. Strong organizational, communication, and leadership skills with an ability to independently...
manage multiple tasks simultaneously. Ability to work effectively as a member of a larger team.
Resourceful in developing practical solutions to daily challenges. Experience driving on forest roads
and using a 4-wheel drive vehicle. Demonstrated commitment to the preservation of biological
diversity.

INQUIRIES: Rebecca Ostertag 974-7361 (Hawaii).

APPLICATION REQUIREMENTS: The preferred method of applying for a job is through our on-line
application process. Please go to www.rcuh.com, click on "Employment" and navigate to "Job
Announcements/Apply for a Job." However, if you do not have access to the Internet, you may apply
by submitting resume; cover letter including Recruitment ID#, referral source, narrative of your
qualifications for position and salary history; names, phone numbers and addresses of three
supervisory references and copy of degree(s)/transcripts/certificate(s) to qualify for position by fax
(808) 956-5022 or mail to Director of Human Resources, Research Corporation of the University of
Hawaii, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. If you
have questions on the application process and/or need assistance, please call (808)956-3100.

EEO/AA Employer.

Please apply before: 03/12/2010