Job Description

Job Title: Kaneohe Bay Coral Reef Monitoring Research Technician
Job ID: 12236
Project Name: Pacific Coop Studies Unit
Full/Part Time: Full-Time
Regular/Temporary: Regular

Regular, Full-Time, RCUH Non-Civil Service position with the Pacific Cooperative Studies Unit (PCSU), University of Hawaii, and Division of Aquatic Resources (DAR), Department of Land and Natural Resources (DLNR), located in Honolulu, Hawaii. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, availability of funds, and compliance with applicable Federal/State laws.

MINIMUM MONTHLY SALARY: $2,024/Mon.

DUTIES: Conducts multi-disciplinary coral reef monitoring surveys in Kaneohe Bay, Oahu, Hawaii, associated with habitat restoration activities. Works with Kaneohe Bay Coral Reef Monitoring Coordinator, Aquatic Invasive Species (AIS) program staff, DAR personnel, various partner agency personnel, researchers and volunteers. Assists with all operational phases of the program to support field research and monitoring activities, including planning, implementation, analysis and reporting. Prepares, maintains, operates, and troubleshoots research equipment including small boats and motors, scuba diving gear, handheld Global Positioning System (GPS) units, digital still and video cameras, and other scientific equipment needed for field operations. Performs multi-disciplinary underwater SCUBA and snorkel coral reef monitoring surveys using established methods. Collects, enters into databases and quality controls research and monitoring data. Assists the Kaneohe Bay Coral Reef Monitoring Coordinator with analyzing and summarizing multi-disciplinary coral reef monitoring data, preparing summary figures, reports, and presentations.

PRIMARY QUALIFICATIONS: EDUCATION: Associate’s Degree from an accredited community college in Marine Science, Biological Science, Environmental Science, Oceanography, or related field involving studies of coral reef ecosystems. (Two to three (2-3) years of college level coursework, including coursework in the Marine, Biological, Environmental, or Oceanographic sciences or related field may substitute for an Associate’s Degree). EXPERIENCE: One to three (1-3) years of scientific research, marine fieldwork, and diving experience. One to three (1-3) years of experience trailering, launching, recovering, maintaining, and operating small vessels with outboard motors. One to three (1-3) years of computer experience using database and GIS software. ABIL/KNOW/SKILLS: Working knowledge of Hawaiian and Indo-Pacific marine life and aquatic invasive species. Working knowledge of commonly used underwater scientific survey techniques such as belt transect, line point intercept, quad point intercept, digital photoquadrat, rugosity measurement, and other established survey methodologies. Working knowledge of small boat operation. Basic knowledge of small boat and outboard motor maintenance and repair. Must be able to identify underwater in the field Hawaiian and Indo-Pacific reef fish, corals, algae, and invertebrates to species and quantify abundances. Proficient with basic office productivity software tools, including word processors, spreadsheets, photo-editing, and graphics programs. Ability to use statistical, database, analytical and presentation (including GIS) software. Ability to maintain a high degree of accuracy and precision. Proficient with handling and operating small vessels, including trailering, launching, recovering, and maintaining. Must possess good written and verbal communication skills. Must be SCUBA certified (NAUI, PADI, etc.) and meet the standards established by DAR’s diver certification process (which meets the standards set by the Occupational Safety & Health Administration) and hold current certifications in CPR, First Aid, and Emergency Oxygen Administration. Must possess good snorkeling and freediving
skills. Must possess a valid driver’s license to assist with transporting equipment and gear.

**PHYSICAL/MEDICAL REQUIREMENTS:** Must be able to qualify as a DAR Scientific Diver. Must be capable of handling all necessary diving equipment and procedures required in conducting underwater research from shore or small boats. Ability to work long hours outdoors with high exposure to sunlight, aboard small boats in coastal and oceanic waters. Ability to lift and carry up to fifty (50) pounds of scuba gear and equipment.

**SECONDARY QUALIFICATIONS:** Bachelor’s Degree from an accredited four (4) year college or university in Marine Science, Biological Science, Environmental Science, Oceanography, or related field involving studies of coral reef ecosystems. Completion of Quantitative Underwater Ecological Survey Techniques (QUEST) and/or other specific underwater monitoring training program. SCUBA certification above basic entry level with a minimum certification of Rescue diver from a nationally, or internationally recognized diver training agency (PADI, NAUI, etc.) and have a minimum of 40 logged dives or have DAR Scientific Diver Certification, NOAA Scientific or Working Diver Certification or previous authorization as a scientific diver from an American Academy of Underwater Sciences (AAUS) accredited organization. Experience with Global Positioning System (GPS) receivers and data. Experience with underwater digital videography and photography, digital image and non-linear editing. Experience analyzing multi-disciplinary ecosystem data using Minitab, SAS, JMP, Matlab or similar statistical software. Experience using ACDSee, Adobe Photoshop, Adobe Illustrator or other similar photo-editing/graphics software. Working knowledge of relational and geo-database design. Advanced skills in MS Access, such as form and macro design. Advanced skills in ArcGIS such as automating tasks using ModelBuilder and scripts. Ability to develop computer programs and scripts using VBA, Python, R, Matlab or similar language. Experience with outboard motors, SCUBA compressors, and repair of each. Ability to assist in designing underwater biological and habitat surveys.

**INQUIRIES:** Frank Mancini 286-7830 (Oahu).

**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, mail, or hand-deliver 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. Online applications and faxed documents must be submitted/received by the closing date (11:59 P.M. Hawaii Standard Time/RCUH receipt time). Mailed documents must be postmarked by the closing date. Hand-delivered documents must be received by our HR office by 4 P.M. Hawaii Standard Time/RCUH receipt time. If you have questions on the application process and/or need assistance, please call (808)956-3100.

EEO/AA Employer.