Job Title: JIMAR PIFSC Optical Mapping Specialist  
Job ID: 28135  
Project Name: JIMAR  
Full/Part Time: Full-Time  
Regular/Temporary: Regular  

Job Summary  
(2) Regular, Full-Time, RCUH Non-Civil Service position with the School of Ocean and Earth Science and Technology (SOEST) and the Joint Institute for Marine and Atmospheric Research (JIMAR), located at the National Marine Fisheries Service (NMFS), Pacific Islands Fisheries Science Center (PIFSC) in Honolulu, Hawaii. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, and availability of funds. Minimum Monthly Salary: $2,868.00.  
Duties: Works with Principal Investigator to design and implement methods for the collection, interpretation, and classification of biologically-important characteristics from optical seafloor imagery utilizing results of these efforts in conjunction with multibeam bathymetric and imagery data, and other available information, to produce benthic habitat map products. Writes reports and publishes scientific papers on the above topics, and will be responsible for the organization and maintenance of an archive of optical and other mapping data. Required to participate in field activities for up to four (4) months per year. These activities either occur onboard a National Oceanic & Atmospheric Administration (NOAA) or university research ship or onboard a small survey launch which is supported from shore. Minimum Qualifications: Education: Bachelor's Degree from an accredited four (4) year college or university in Marine Biology, Marine Science, Marine Geology, Oceanography, Ecology, Biology, or other related field. Experience: One to three (1-3) years of experience in collecting, analyzing, and mapping marine ecological, seabed mapping, or seafloor optical imagery data. Abil/Know/Skills: Knowledge and understanding of oceanographic, and/or biological processes affecting coral reef ecosystems, coral reef organisms and communities. Knowledge of quantitative underwater ecological survey techniques using video and/or still imagery, diver, ROV, or submersible operations. Knowledge of taxonomy of coral reef and marine benthic organisms. Working knowledge of and ability to use ArcGIS 9, MS Excel, and MS Access. Ability to organize and maintain an archive of optical and acoustic mapping data. Must possess good written and verbal communication skills. Demonstrated ability to work and make decisions independently to meet programmatic requirements within schedule and budgetary constraints. Must possess strong interpersonal skills and ability to work with principal investigators and other researchers. Proficiency with Windows Operating System and word processing, spreadsheet and presentation programs. Must possess a valid driver's license. Must meet the US Department of Commerce, National Oceanic and Atmospheric Administration security requirements for working in a federal facility which includes being fingerprinted and having a federal background check.
performed. **Physical/Medical Requirements:** Ability to lift at least thirty (30) pounds of scientific equipment over head to facilitate loading and unloading of small boats operating from larger vessels. Must be able to obtain NOAA Medical Clearance for embarking/working on NOAA research vessels or other appropriate vessels which includes providing proof of required immunizations and/or obtaining the necessary immunizations as required by NOAA Marine and Aviation Operations. **Desirable Qualifications:** Master's Degree from an accredited college or university in Marine Biology, Geographic Information Systems (GIS), Marine Geology, Oceanography, or related field. Experience with Adobe Premiere and Hypack Max software is desirable. Ability to identify coral reef ecosystem organisms, particularly Indo-Pacific species. Published manuscripts in peer reviewed journals, particularly first authorship, is desirable. Administrative experience with Windows or UNIX networks. Experience with the collection, processing, analysis and presentation of multibeam backscatter and side scan imagery. Experience with digital image analysis of underwater video and/or still photography. Experience with operating, maintaining and troubleshooting oceanographic and optical equipment. Experience at sea for extended periods of time (2 weeks or more) aboard research or fisheries vessels. **Inquiries:** Nicole Wakazuru 956-9465 (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." Enter the ID# of this recruitment in the Reference # field. However, if you do not have access to the Internet, you may apply by submitting resume; cover letter including 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 confirm your credentials by fax (808) 956-5022 or mail to Research Corporation of the University of Hawaii, Human Resources, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. EEO/AA Employer.

**Please apply before:**
03/12/2008