Job Title: PIFSC Seafloor Mapping Specialist  
Job ID: 27242  
Project Name: JIMAR  
Full/Part Time: Full-Time  
Regular/Temporary: Regular  
Closing Date: 06/08/2007  

Job Summary  
Regular, Full-Time, RCUH Non-Civil Service position with the School of Ocean and Earth Science and Technology (SOEST), 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:  
$2,607.00-$3,500.00.

Duties:  
- Collects, interprets, and classifies seafloor characteristics from optical imagery and multibeam bathymetry and backscatter data.  
- Utilizes results of these efforts and other available information to produce benthic habitat map products.  
- Operates and maintains a 25 survey vessel, and/or operates and maintains optical and multibeam survey equipment, and related computer hardware and software.  
- Writes reports and scientific papers for publication on the above topics.  
- Organizes and maintains an archive of optical and other mapping data, and/or are survey equipment and computer systems.  
- 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 may be supported from shore.

Minimum Qualifications:  
Education:  
- Bachelors Degree from an accredited four (4) year college or university in Geographic Information Systems (GIS), Geography, Marine Geology, Oceanography, Marine Biology, Physical Sciences, or other related field.  

Experience:  
- One to three (1-3) years of experience in collecting, processing, analyzing, and presenting marine geophysical, ecological, seabed mapping, or optical imagery data which includes experience in two (2) or more of the following areas:  
  o a) operation and maintenance of small boats;  
  o b) conducting underwater ecological survey techniques using scuba diving, optical imagery, or research submersible;
o  c) collecting and processing of multibeam bathymetry and backscatter data;
  o  d) Windows or LiNIX network administration.

Abil/Know/Skills:
- Knowledge of methods for collection, processing, analysis, and integration of optical and/or acoustic data sets.
- Working knowledge of at least one of the following areas: a) coral reef ecology, b) taxonomy of coral reef organisms, c) benthic habitat mapping, d) acoustic mapping, or e) computer network administration.
- Ability to operate and maintain small boats, optical sensors, multibeam sonars, and/or computer systems.
- Ability to independently plan, organize, and implement research projects.
- Proficiency with Windows and/or LiNIX operating systems, and word processing, spreadsheet and presentation programs.
- Must possess a valid drivers license.
- Must meet the US Department of Commerce, National Oceanic and Atmospheric Administration security requirements for working in a federal facility which includes being finger printed 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:
- Proven experience with operating and maintaining small boats is highly desirable.
- Experience with underwater survey techniques using video or still imagery, or diver or submersible observations are highly desirable.
- Experience with identification of coral reef organisms, particularly Indo-Pacific species is highly desirable.
- Experience with the analysis and presentation of multibeam bathymetry, backscatter, and sidescan imagery is highly desirable.
- Experience with network administration of Windows or UNIX systems is highly desirable. Experience with spatial statistics.
- Proficiency with ArcGIS 9, ArcView 3, and programming in Python, VBA, or Avenue. Proficiency with processing and analysis software including Generic Mapping Tools (GMT), MBSystem, Fledermaus, and SABER.
- Proficiency with UNIX computers and the ability to perform C-shell script programming to batch process data.
- Previous experience at sea for extended periods of time aboard research vessels is highly desirable.

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. 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. EEO/AA Employer.