Job Description

Job Title: JIMAR PIFSC GIS Specialist
Job ID: 28228
Project Name: JIMAR
Full/Part Time: Full-Time
Regular/Temporary: Regular

Job Summary

(2) Regular, Full-Time, RCUH Non-Civil Service positions 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: $3,620.00 Duties: Responsible for designing and implementing Geographic Information System (GIS) methods for benthic habitat mapping studies and coral assessment and monitoring studies. Incorporates bathymetry and imagery data and derivative products into a Geographic Information System and integrates them with optical, biological, and oceanographic data to allow investigators to characterize benthic habitats and determine ecosystem relationships between the habitats and the organisms utilizing those habitats. Also responsible for compiling GIS data into a variety of graphical and report formats in order to convey results of analyses to investigators, managers, and partners. Minimum Qualifications: Education: Master's Degree from an accredited college or university in GIS, Geography, Marine Geology, Oceanography, Marine Ecology, or other relevant discipline (A Bachelor's Degree in GIS, Geography, Marine or Physical Sciences with a minimum of three (3) years of relevant work experience in GIS, marine science, oceanography or hydrographic surveying may substitute for a Master's Degree). Experience: Three to five (3-5) years of experience in processing terrestrial or marine data using GIS methods and applications. Authorship or co-authorship on at least two scientific or technical papers, and presentations made at scientific or technical conferences. Abil/Know/Skills: Basic knowledge and understanding of marine geological, oceanographic, and/or biological processes affecting coral reef ecosystems. Working knowledge of common spatial data integration methods and multiple spatial data formats. Working knowledge of spatial analysis models and spatial statistics. Proficiency with ArcView 3 and ArcGIS 9. Proficiency with use and design of relational databases and geospatial databases. Strong interpersonal skills to work with Principal Investigators and other researchers. Ability to independently plan, organize, and carry out projects within schedule and budgetary constraints. Proficiency with Windows operating system and word processing, spreadsheet and presentation programs is required. Proficiency with desktop publishing, photo editing, and graphics design software. Must possess a valid driver's license to transport gear and to attend meetings. 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: 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 Aviation and Marine Operations. Must be able to lift at least thirty (30) pounds of scientific equipment over head to facilitate loading and unloading of small boats operating from larger vessels. Desirable Qualifications: Previous experience in development of GIS-based tools for marine benthic habitat mapping is very desirable. Previous experience with the collection, processing, analysis and presentation of multibeam backscatter and sidescan imagery. Previous experience with mapping coral reef ecosystems of Pacific islands and banks. Experience with the compilation and production of large scientific or technical documents. Experience with developing and leading trainings, workshops, or conferences to foster education and...
outreach about geospatial methodologies and applications. Experience with oceanographic monitoring equipment and mapping experience at sea on research vessels for extended periods of time (2 weeks or more). Experience with operating small boats. Ability to assist in development and maintenance of web sites containing mapping data. Proficiency with Visual Basic programming in ArcGIS 9 and/or Avenue scripting. Proficiency with Fledermaus, Microsoft Access, and Adobe InDesign CS2. Proficiency with UNIX computers. 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.

Please apply before: 05/12/2008