

Job Description

Job Title: JIMAR PIFSC Geographic Information Specialist
Job ID: 29258
Project Name: JIMAR
Full/Part Time: Full-Time
Regular/Temporary: Regular

[Email to Friend](#)[Select Job](#)[Return to Previous Page](#)

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: \$3,222.00.

DUTIES: Responsible for designing and implementing Geographic Information System (GIS) methods for benthic habitat mapping studies and coral ecosystem assessment and monitoring studies. Analyzes, integrates, and incorporates optical, biological, and oceanographic data with bathymetry and imagery data and derivative products into a GIS and to allow investigators to characterize benthic habitats and determine ecosystem relationships between the habitats and the organisms utilizing those habitats. Assists in the design, development, testing, and implementation of GIS-based methods for spatial data integration for benthic habitat mapping and interpretation of scientific coral reef ecosystem data. Coordinates with other technical staff in the preparation and productions of reports, presentations, and other communications media that help to interpret scientific data for use by scientists, ecosystem managers, decision makers, students, and the general public. Participates in field work, training, and outreach activities in remote locations or aboard ships and small boats. Prepares and delivers presentations as necessary to research investigators, resources managers, and partners.

PRIMARY 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:** One to three (1-3) years of experience in processing terrestrial or marine data using GIS methods and applications. **ABIL/KNOW/SKILLS:** Basic knowledge and understanding of marine geological oceanographic, and/or biological processes affecting coral reef ecosystems. Knowledge of common spatial data integration methods and multiple spatial data formats. Knowledge of spatial analysis models and spatial statistics. Proficiency with ArcGIS Desktop. 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 software. Must possess a valid driver's license to transport gear and to attend meetings. **Post Offer/Employment Conditions:** 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.

SECONDARY QUALIFICATIONS: Authorship or co-authorship on at least two scientific or technical papers, and presentations made at scientific or technical conferences or to management agencies. Previous experience with any of the following: mapping coral reef ecosystems of Pacific islands and banks; compilation and production of large scientific or technical documents; developing and leading trainings, workshops, or conferences to foster education and outreach about geospatial methodologies and applications; translation of scientific information into presentations, reports or other products that meet ecosystem management and education/outreach needs; extending ArcGIS functionality and with programming languages such as Python, Visual Basic, or Visual Basic for Applications; developing GIS-based tools for marine benthic habitat mapping; Microsoft Access or Oracle; other ESRI products such as ArcSDE and Arc GIS Server; other GIS, image processing, and analysis software such as ENVI, ERDAS, generic Mapping Tools (GMT), MBSYSTEM, Fledermaus or SABER; collection, processing, analysis and presentation of multibeam backscatter and sidescan imagery at sea on research vessels for extended periods or with operating small boats.

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. If you have questions on the application process and/or need assistance, please call (808)956-3100.

EEO/AA Employer.

Please apply before: 07/07/2009

Email to Friend

Select Job

[Return to Previous Page](#)
