Job Description

Job Title: JIMAR PIFSC Essential Fisheries Habitat Spatial Analyst
Job ID: 10631
Project Name: JIMAR
Full/Part Time: Full-Time
Regular/Temporary: Regular

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: Salary commensurate with qualifications.

DUTIES: Conducts a comprehensive review of: 1) Essential Fish Habitat/Habitat Areas of Particular Concern (EFH/HAPC) definition requirements, 2) current EFH/HAPC definitions for the pelagic and seamount federal management unit species (MUS) in the Western Pacific Region (WPR), and 3) new information relevant to pelagic and seamount federal MUS in the WPR, from published and non-published sources. Identifies and reviews new data available for the Pacific Islands managed pelagic and seamount fisheries and where appropriate, enters data into a geographic information system (GIS) spatial database. Performs spatial analysis and create maps that will display potential EFH and HAPC refinements for all federally managed pelagic and seamount species in the Western Pacific Region. Works collaboratively with the PIFSC scientists, Pacific Island Regional Office (PIRO) and Western Pacific Fisheries Management Council (WPFMC) personnel, fishermen, interstate commissions, state agencies, and other interested parties. Identifies and synthesizes new scientific literature, unpublished reports, unpublished data, and any other sources of information regarding critical life history stages, reproductive cycles, preferred habitats, movement patterns, community composition, and prey species, in order to make the habitat descriptions and maps as clear and "explicit" as possible. Examines and possibly refines the criteria that should be used to define EFH and HAPC for pelagic and seamount federal MUS in the WPR. Creates EFH and HAPC maps using GIS analysis of available spatially-referenced data.

PRIMARY QUALIFICATIONS: EDUCATION: Bachelor's Degree from an accredited four (4) year college or university in Geography, Oceanography, Marine Biology, or other relevant discipline. EXPERIENCE: One to three (1-3) years experience in the design, development and support of relational database applications with client/server databases, including enterprise-wide database management systems. One to three (1-3) years of experience of utilizing state of the art programming languages, scripts and editors in both the UNIX/Linux and personal computer environments. One to three (1-3) years of experience with ArcGIS applications of marine research data. Operational experience with metadata procedures, data integration, data manipulation, data parsing, and data auditing. Operational experience with managing large scientific data sets including geographic and time series data. Experience working on interdisciplinary research teams. ABIL/KNOW/SKILLS: Knowledge and understanding of marine biological, oceanographic, and/or spatial processes affecting marine ecosystems and fishery industry. Knowledge and understanding of contemporary scientific and environmental data repositories and search tools. Working knowledge of common spatial data analytical processes and models, spatial data integration methods, multiple spatial data formats and metadata standards. Thorough knowledge of ArcGIS desktop tools and analytical processes and
models, including Image Analyst, 3D Analyst, Spatial Analyst, and Spatial Statistics. Proficiency with the use of databases and geospatial databases, such as ORACLE/ArcSDE, MySQL, or MS Access. Proficiency with basic office productivity software tools, including word processors, spreadsheets, and presentation software. Ability to plan, organize, make decisions, and carry out projects independently to meet programmatic requirements within schedule and budgetary constraints. Must possess strong interpersonal skills to work with partners, principal investigators, researchers, peers, and management. Ability to communicate effectively both orally and in writing. Post Offer/Employment Condition: Must meet US Department of Commerce (DOC), 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 possess a valid driver's license. Must be able to travel for up to eight (8) hours on an airplane, and be able to legally enter and exit U.S. territories and commonwealths.

SECONDARY QUALIFICATIONS: Familiarity with the data management needs and requirements of marine ecosystem studies and fishery managements. Experience with collection, processing, analysis and presentation of marine ecosystems in Pacific islands and banks. Familiarity with marine science and fisheries terminology. Experience with ArcSDE related to creating and maintaining spatial views that join spatial and scientific data. Ability to integrate both raw and summarized data in client/server databases with statistical, GIS and visualization software/tools. Previous experience with compilation and production of scientific or technical documents to meet ecosystem management and education/outreach needs. Ability to maintain a high degree of accuracy and precision. Previous experience working in a research environment. Have a receptive and positive attitude to new situations with problem solving abilities, and self-motivation.

INQUIRIES: Nicole Wakazuru 956-5018 (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.

Please apply before: 11/09/2010