

Job Description

Job Title: Geospatial Information Specialist
Job ID: 29260
Project Name: Dept of Health/Environ Plan
Full/Part Time: Full-Time
Regular/Temporary: Regular

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Job Summary

Regular, Full-Time, RCUH Non-Civil Service position with the State of Hawaii Department of Health, Environmental Planning Office, located 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: Plan and execute various water pollution control and water quality management research activities using geospatial information technology and multiple databases of environmental information to: Collect, organize, analyze, and interpret geospatial information for regulatory and educational purposes. Edit and maintain the high-resolution National Hydrography Dataset (NHD) for Hawaii. Serves as principal liaison with the interagency Hawaii NHD Stewardship Partners, Hawaii NHD User Groups, the Hawaii Geographic Information Coordinating Council, the Hawaii Board on Geographic Names, and the U.S. Geological Survey Geospatial Liaison. Serves as NHD Point of Contact for local technical support, training, data transactions, and project development/funding. As part of a nationwide NHD stewardship network, participate in developing additional tools and enhanced web services for NHD related programs, improving access to data, and linking coastal waters, regulatory decisions, and other state-level events to the NHD. Uses NHD as the basis for georeferencing water quality assessment decisions that are entered into the Department's Assessment Data Base (ADB), and help develop and implement a Data Management and Analysis System to support production of the State Water Quality Monitoring and Assessment Report, using NHD and ADB components.

PRIMARY QUALIFICATIONS: EDUCATION: Bachelor's Degree from an accredited four (4) year college or university in Biology, Chemistry, Computer Science, Ecology, Engineering, Environmental Science, Geography, Geology, Health Informatics, Information Sciences, Oceanography, Physics, Public Health, Zoology or other related scientific or environmental health fields or related field, as determined by the program needs. EXPERIENCE: At least two (2) years of experience in the management and analysis of geospatial information and environmental databases.

ABIL/KNOW/SKILLS: Working knowledge of watershed characteristics, mapping, Geographic Information Systems (GIS) applications, data sources, and geospatial research methods in island hydrography/oceanography; land cover, human activity, and pollutant loading. Basic knowledge of freshwater/marine aquatic biology. Ability to use GIS to import, map, display, and analyze the geolocation and attributes of environmental features. Proficient in using standard office equipment, including networked computers (Windows operating system) running Microsoft Office software (including Access databases) and ArcGIS applications to perform repetitive data editing tasks with large complex data sets. Able to understand and apply the hydrography data content standard endorsed by the Federal Geographic Data Committee and related data editing, data management, and data quality assurance guidance and instructions. Able to understand and apply the State Water Quality Standards and related regulations, guidance, and policy documents. Able to prepare and maintain detailed metadata and other editing documentation, including staff instruction and training for efficient dataset utilization. Proficient in basic compass reading, map reading, orienteering, and global positioning system skills to navigate to and from field sites and to geolocate environmental features.

Advanced ability to present ideas and information clearly, both verbally and in writing (including graphics), and to facilitate meetings and discussions among professional peers. Ability to identify hydrographic features and Hawaii's native fauna and flora. Must possess a valid driver's license for required work related travel purposes. Post Offer/Employment Condition: Must possess the American Red Cross Certification in First Aid/CPR (or be able to obtain the certificate following the training provided within twelve months of hire). PHYSICAL/MEDICAL REQUIREMENTS: Able to sit for extended periods of time; concentrate and perform data programming, coding and analysis. Must be able to carry heavy/bulky field equipment weighing up to thirty (30) pounds over rough terrain in remote areas over long distances.

SECONDARY QUALIFICATIONS: Expertise in environmental database systems operations and management, relational database structures, electronic data submissions, interactive web design, data recordation and database tracking systems, particularly in the context of the U.S. Environmental Protection Agency Watershed Assessment, Tracking & Environmental Results framework (and related tools such as NHD, ADB, Assessment Total Maximum Daily Load Tracking and Implementation System (ATTAINS), Storet, Water Quality Exchange (WQE), Permit Compliance System (PCS), and Beach Advisory and Closing Online). Graduate standing that includes work in a field or on a topic related to geospatial information technology, watershed science or water quality. Basic/working knowledge of the federal Clean Water Act and related federal, state, and county law and policy. Advanced/expert knowledge of hydrography; hydrology; pollutant sources, transport, and fate; freshwater and marine aquatic biology, including visual census of Hawaii's native fauna and flora. Proficient in public speaking and communicating with people from diverse backgrounds. Professional environmental health and government agency work experience.

INQUIRIES: David Penn 586-4337 (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: 07/06/2009

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