



## **Position Description: Watershed Scientist/Water Resource Engineer**

Advertised September 9, 2011 – Open until filled

### **Overview**

Sustainable Resources Group Intn'l, Inc. (SRGII), a small Hawaii-based environmental consulting firm, seeks an enthusiastic individual to serve as a watershed scientist/water resource engineer. Successful candidate will participate in a variety of interdisciplinary projects ranging from wetland design and watershed analysis, to sustainable design and development.

SRGII's approach to problem-solving utilizes the best available science integrated with the principles of engineering analysis, as well as our extensive scientific and management planning experience. Working closely with clients, we create innovative solutions to match their unique needs and constraints. Project work employs a natural systems engineering approach, which utilizes engineering principles and the scientific process to develop innovative cost effective solutions.

### **Position Summary**

The watershed scientist/water resource engineer will utilize their technical expertise to efficiently conduct qualitative assessments and quantitative analyses, develop natural system engineered designs, and prepare supporting reports. Projects focus on hydrological, watershed, and natural resource management and will include additional work to support the growing market of sustainable design.

### *Responsibilities*

- Assist principals and co-employees in all aspects of project development.
- Assist in the design and conduct of water resources analysis.
- Collect and analyze field data to support land use and permitting projects, ESA, CWA and NEPA documentation.
- Use topographic maps, aerial photographs, GPS, GIS, and other tools to assist with conducting and interpreting fieldwork.
- Conduct thorough scientific literature reviews.
- Apply statistical methods and utilize statistical software.
- Design and conduct environmental monitoring studies.
- Develop reports of findings for clients.
- Meet with clients, agencies and stakeholders.
- Work cooperatively as a team member with other contractors; federal, state, and local agency personnel; and clients.
- Work closely with principals and co-employees to promote SRGII's business interests in adherence to its mission, vision, and values.

### **Qualifications**

#### *Skills and Knowledge*

- Technical experience in watershed and hydrologic studies; engineering methods to quantify surface and groundwater; knowledge of the principles of geomorphology; understanding of erosion processes and practices to reduce erosion rates and attenuation of storm water runoff; and understanding of Hawaii's climatic regime.
- Strong quantitative skills; ability to collect, process, and analyze data, preferably gained through a combination of academic training and on-the-job experience.
- Experience in field measurements of natural resources, including field use of GPS, collection of discharge and water quality samples. Willing to work out-of-doors in occasionally strenuous conditions.
- Experience reviewing civil plans (through coursework or employment).
- Ability to work utilizing an interdisciplinary approach.

## **SRGII Position Description: Watershed Scientist/Water Resource Engineer**

- Familiarity with federal, state and local regulatory and permitting requirements for land use and natural resources.
- Good oral and written communication skills. Ability to draft clear, concise and effective project reports, papers, presentations and proposals.
- Excellent interpersonal skills, including professional communication style; ability to interact effectively with coworkers, public and private clients; diplomacy and tact in politically sensitive situations; and ability to maintain strict client confidentiality.
- Self-motivated and ability to work independently. Excellent organization and planning skills, including ability to coordinate a variety of tasks, set and keep deadlines, and work effectively under pressure.
- Open-minded to suggestions and new approaches to problem-solving.
- Computer skills including Microsoft Word, Excel spreadsheets, email, presentation and database software; knowledge of or the ability to learn use of ArcGIS and AutoCAD.

### ***Education***

- Bachelors degree required, Masters or Doctoral degree preferred in physical or natural science (e.g. hydrology, geology), or engineering.
- Coursework: at least 30 semester hours in any combination of courses in hydrology, physical sciences, geophysics, chemistry, engineering science, soils, mathematics, aquatic biology, atmospheric science, meteorology, geology, oceanography, or the management of conservation of water resources; at least 6 semester hours in calculus (including both differential and integral calculus); and at least 6 semester hours in physics.

### ***Experience***

- Minimum: 1-2 years technical work experience in a related field, with demonstrated successful performance and increasing level of responsibility.
- Preferred: 2-4 years of applicable professional experience (watershed science/engineering).

### **Other**

Position may be part- to full-time; to be determined. Position located on the Island of O'ahu. Applicants will work within the Hawaiian Islands. No relocation costs are available. Persons who have lived and worked in the Hawaiian Islands are encouraged to apply. Possession of (or ability to obtain) a valid Hawaii State driver's license is a requirement upon acceptance of position.

Compensation and benefits will be commensurate with qualifications and experience.

### **To Apply**

Qualified candidates should e-mail a letter of interest, resume, and references to Principal, Sustainable Resources Group Intn'l, Inc. (jobs@srgii.com). Submissions will be accepted until the position is filled. Sustainable Resources Group Intn'l, Inc. is an Equal Opportunity Employer and we value a team-oriented environment and workforce diversity. For more information on our company visit [www.srgii.com](http://www.srgii.com).