



POSITION ANNOUNCEMENT

Since 1993, Davids Engineering has provided professional engineering and scientific services to public agencies, private entities and individual landowners responsible for managing water resources in the western United States. From our initial focus on agricultural water management, we have gradually broadened our technical capabilities to include three tightly integrated groups focusing on Water, Infrastructure, and Technology, respectively. For more information on Davids Engineering, visit www.davidsengineering.com.

POSITION AVAILABLE - SENIOR ENVIRONMENTAL MONITORING SPECIALIST

Davids Engineering (DE) is enthusiastically pursuing opportunities to apply innovative and cutting-edge technologies to address water management challenges in the Western US. **We are seeking exceptionally qualified and motivated candidates with experience in environmental monitoring, specifically related to: (1) open channel flow measurement (including hydroacoustics), (2) rating curve and velocity index rating development, and (3) data management and quality control.** Strong leadership and project management skills are required for this position. All DE team members are expected to have superior analytic and problem-solving skills; ability to express technically complex information clearly, both orally and in writing; ability to self-motivate; attention to detail; strong work ethic; and good moral, ethical, and engineering judgement. Familiarity with agricultural irrigation and production systems is a major plus.

DESIRED QUALIFICATIONS

- **General Qualifications**
 - Bachelor's degree in civil engineering, agricultural engineering, hydrology, or related area of study.
 - 5-10 years of experience in open channel flow, stream flow, flow measurement, data analysis, water quality, stream-aquifer interactions, watershed analysis, and California surface water rights.
 - Knowledge and experience operating and maintaining hydroacoustic instrumentation, including acoustic doppler current profilers (ADCPs) and acoustic doppler velocimeters (ADVs).
 - Proficiency with collection, computation, and analysis of scientific data.
 - Knowledge and experience operating and/or maintaining motorized watercraft.
 - Knowledge of installing, adjusting, inspecting, and servicing instruments for the collection of ground and surface water data; and checking gage settings to ensure continuing accuracy of the records obtained from instruments, making technical studies of hydrologic data collected in the field, and preparing material for publication, such as, drafts, maps and other illustrative material; applying datum corrections to gage height records; post-processing hydroacoustic measurements; and plotting hydrographs and analyzing differences in hydrographs with earlier records.
 - Knowledge and experience with low voltage electrical work and solar power supplies.
 - Intermediate to advanced proficiency with industry-standard word processing, spreadsheet, and presentation software programs.
 - Excellent project management skills including prioritization, scheduling, and documentation.
 - Ability to build strong relationships and communicate effectively with internal and external stakeholders.
 - Strong grasp of current communication, project tracking, budget management technologies.
 - Solid technical understanding and ability to define and refine requirements through a project lifecycle.
 - Employs strong analytical and problem-solving skills to manage shifting priorities, demands, and timelines.
 - Ability to quickly learn, understand, and apply new technologies.
 - Willing to mentor more junior team members and share knowledge.



Water



Infrastructure



Technology



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- Positive, can-do attitude with the ability to succeed in a fast-paced work environment.
- **Specific Qualifications**
 - Collaborates with stakeholders to document project scope, deliverables, goals, risks, blockers, success measures, and estimated resources needed.
 - Ensures that projects remain in-scope and meet budgetary, scheduling, and quality requirements.
 - Communicates routinely to management, customers, project team members, and other stakeholders, actively soliciting and addressing customer and project team feedback.
 - Assists in business development efforts to create project proposals, estimates, and schedules.
 - Sets and monitors project budgets and staffing requirements.
 - Plan, schedule, monitor, and report on activities related to the project, including subcontractor monitoring.
 - Establishes key project criteria metrics.
 - Responsible for training, managing, and motivating the project team, as well as resolving team conflicts.
 - Resolves technical and operational issues as required.
- **Physical Demands**
 - The work regularly requires considerable dexterity, agility, and strenuous physical exertion such as: climbing and/or working from tall ladders and scaffolding; work in areas where footing is treacherous such as slippery or wet river banks, steep rocky terrain, or fast-moving water; lifting heavy objects weighing 23 kilograms (50 pounds) or more, or crouching or crawling in restricted areas. The position requires regular work outdoors in varied weather.

HOW TO APPLY

Please submit your **cover letter** and **resume** to info@davidsengineering.com. All inquiries will be handled with strict confidentiality. Visit www.davidsengineering.com for more information. The anticipated pay range for this position is between \$40/hr and \$70/hr depending on qualifications.



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