



Hydrology | Hydraulics | Geomorphology | Design | Field Services

## Senior Eco-Engineer/Eco-Hydrologist

**Location:** Northern California, based out of West Sacramento or Santa Cruz

**Experience:** 10+ years

**cbec eco engineering**, inc. (cbec), is based in West Sacramento, California, with branch offices in other areas of Northern California, Oregon, Indiana, Scotland and England (UK). We specialize in eco engineering for the water resources industry. eco engineering describes water resources engineering services that are concerned with developing and providing ecologically sensitive and environmentally sustainable solutions in the fields of hydrology, hydraulics, geomorphology and restoration and rehabilitation design. cbec offers a stable job environment, competitive salary and benefits, and opportunities for career growth.

cbec is seeking to hire a skilled Senior Eco-Engineer/Eco-Hydrologist to assist the company in providing services to clients, leading staff, and developing new markets. Individuals' professional experience should include 10+ years technical experience and 8+ years project management in water resource engineering, fluvial geomorphology, hydrology and/or restoration design projects.

### Description:

The Senior Eco-Engineer/Eco-Hydrologist will be responsible for leading the completion of technical work, managing complex projects and cultivating new clients. Technical work may include hydraulic/hydrologic and geomorphic studies, modeling, assessments, and associated reporting. Design work will include restoration-oriented civil construction projects in riverine or other aquatic settings, and the production of construction drawings, specifications, cost estimates and design reports. Specific responsibilities will likely include:

- Managing moderate to large size multi-objective, multi-stakeholder projects
- Leading development of numerical hydrologic, hydraulic, sediment transport and water quality models
- Overseeing field data collection efforts that include general watershed reconnaissance; topographic and bathymetric surveys; water level, discharge and sediment transport measurements; and geomorphic assessments



- Leading design and development of construction plans for complex environmental rehabilitation projects in riverine, wetland and estuarine settings
- Writing and supervising development of reports
- Presenting project findings at client meetings and conferences
- Developing proposals and implementing marketing efforts
- Cultivating new clients and bringing in work
- Contributing to the growth and development of the company and staff

### **Desired Skills and Experience:**

- 8+ years of increasingly responsible project management experience
- B.S. in civil or environmental engineering, water resources or closely related field
- M.S. or Ph.D. in civil engineering, environmental engineering, water resources, hydrology, or fluvial geomorphology is preferred
- Licensed California State professional civil engineer or ability to obtain license via reciprocity (other professional qualifications will be considered)
- Experience structuring and managing technical studies, including identifying required fieldwork, analyzing and evaluating data, and preparing reports
- Experience developing, applying, and using hydrologic and hydraulic computer modeling applications, such as HEC-RAS (1D and 2D), HEC-HMS, MIKE 11, MIKE 21, SRH2D, FLO-2D, TUFLOW and Delft3D
- Management of design and drafting efforts and preparation of construction drawings, specifications, cost estimates and design reports
- Experience cultivating new clients, developing proposals and winning projects
- Excellent written and verbal communication
- Ability to adhere to project scopes, schedules and budgets and to deliver projects to clients' satisfaction

To apply, please send your cover letter, resume, references and salary history to Alexis Wessels at [a.wessels@cbecoeng.com](mailto:a.wessels@cbecoeng.com). **cbec** is an Equal Opportunity Employer and we value team-oriented workplace and workforce diversity. Please visit our website at [www.cbecoeng.com](http://www.cbecoeng.com) to see the array of services that we provide and exciting projects we are currently working on. No phone calls please.