

## Role Title: Hydrogeologist / Groundwater Modeler

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### Job Description:

We are seeking a mid to senior level Hydrogeologist with an emphasis in groundwater modeling, to join our team. Candidate will work with strong, senior technical staff on various environmental and water-resources related projects, specifically providing groundwater modeling and quantitative hydrogeology support for a variety of high-profile clients. Project management experience is preferred (but not required) as is the ability to establish and maintain client relationships. The position requires a solid understanding of hydrogeological principles and practices and experience with computer programming languages and numerical subsurface flow models.

As a key member of our team, you will be involved in a broad range of responsibilities including:

### Responsibilities:

- Work closely with technical staff and client service managers to provide geological and hydrogeologic technical expertise on projects.
- Execute on projects and provide technical, quantitative and hydrogeologic knowledge in areas such as (but not limited to); groundwater investigation and supply studies, groundwater remediation efficacy, groundwater/surface water interaction, hydrogeologic conceptual model development and groundwater numerical modeling.
- Apply knowledge of geology and hydrogeology to aid development and management of groundwater resources for clients.
- Evaluation and interpretation of test data.
- Interpret and analyze various forms of geologic and hydrogeologic data to build a conceptual model of the groundwater regime including contamination.
- Participate with a team of engineers to perform groundwater flow and transport modeling in support of project work (environmental, water supply, mining, oil, and gas, etc.)
- Determine the nature, extent, fate and transport of contaminants and source areas at environmental sites.
- Work independently, exercising professional judgment to develop and recommended solutions that meet client expectations and goals.
- Position may include task/project management and some business development opportunities.
- Provide technical documentation and presentations.



- Produce high quality products on schedule and within budgets in a fast-paced environment.

**Skills, Qualifications, and Experience:**

The successful candidate will possess the following qualifications:

- BS in Hydrogeology, Geology, Environmental Engineering, Environmental Science, or related field with specialization in quantitative hydrogeology and groundwater modeling. MS degree preferred.
- Knowledge of different drilling methods, geophysical techniques and experience implementing hydrogeologic characterization studies including well design and construction, packer testing, aquifer testing and analysis and water quality sampling techniques.
- Experience developing hydrogeological conceptual models and geologic framework models (Leapfrog, Geo-modeller etc.)
- Demonstrated expertise in codes such as MODFLOW and/or FEFLOW, including inverse modelling using PEST.
- Minimum of 5 years relevant experience.
- Aquifer testing and data evaluation.
- Subsurface geological, hydrogeological, and geochemical characterization of mining, hazardous waste, or petrochemical industry sites.
- Excellent written and oral communication skills. Fluency in a foreign language is a plus.
- Experience in preparing data analysis sections of consulting project reports is required.
- Proficiency with analytical models and modeling software is a plus but not required.