

Project- and Senior-Scientist Earth Knowledge, Inc.

Earth Knowledge develops pioneering ways of integrating and disseminating earth and environmental science information for business and community leaders, scientists, public institutions, and the consumer. It provides these knowledge integration services through sophisticated client consulting and its novel web-based services. The focus of Earth Knowledge's services is on effectively drawing experts and decision-makers together to create cooperative and collaborative solutions that help the Earth's communities thrive. This approach has informed important decisions by the City of Las Vegas, the U.S. Department of Energy, the State of Nevada, and numerous other groups throughout the United States. Find out more at www.earthknowledge.net.

Earth Knowledge has been experiencing significant growth as a result of its successful interdisciplinary, multi-stakeholder projects and is currently seeking to expand its core team of experienced scientists and engineers who can join us in assisting the firm's growth and expansion.

In launching a new version of their website, Earth Knowledge has received recognition from Reuters, USA Today, AOL. Money, biz.Yahoo! and more. They are looking for scientists who will enjoy being a part of a company that is on the cutting edge of providing reliable information about the Earth. Earth Knowledge, Inc. is a Geospatial Google Enterprise Partner. These web services are also customized for their clients so that they can have their own "mini Earth Knowledge private world." As Earth Knowledge expands their web services, they potentially will look to their scientists for input on the development of the Earth Knowledge network and collaboration on their website.

Earth Knowledge is seeking project- and senior-level scientists to assist in addressing ongoing and developing projects in the domain of water resources sustainability in the Great Basin (Utah, Nevada, and California), Mojave Desert (Nevada and California), Colorado Plateau (Utah and Arizona) and Sonoran Desert (Arizona and California). The projects require very specialized and pragmatic skills associated with hydrogeologic characterization, ground-water modeling, surface-water and ground-water interactions, geospatial analysis, and web-based knowledge management applications.

Job Responsibilities:

- Evaluate and interpret geologic and hydrologic data and information.
- Synthesize geologic, hydrologic, and other environmental science information for use in ground-water flow models.
- Design, construct, calibrate and evaluate ground-water flow models.
- Prepare / review technical reports and data for submittal to clients.

- Conduct other project related operational and administrative activities including, but not limited to, monitoring and reporting on monthly project progress and overseeing the work of project personnel.
- Communicate with (integrate information from) multiple scientists and stakeholders.
- Assist in the development of technical / non-technical presentations and reports

Requirements:

- Degree in geology, hydrogeology, or hydrology required, MS or PhD preferred.
- Considerable knowledge of hydrological and geological sciences (including climatology, ecology, and soils), physics, mathematics, and computer science required.
- Experience with ground-water modeling (MODFLOW 2000, MODFLOW 2005, UCODE), computer data analysis applications, parameter estimation, sensitivity and uncertainty analysis, required.
- Experience with Geographic Information System (ArcGIS or related ESRI products) and other computer software needed to construct ground-water models required.
- Excellent organizational and time-management skills required.
- Ability to write and review both technical and non-technical reports for publication required.
- Ability to communicate on a professional level the results of technical investigations orally to both technical and non-technical audiences required.
- Experience with Google Maps, Google Earth, and/or other Web based GIS mapping desired.

Job Location: Tucson, Arizona

Salary Range: Appropriate to qualifications and experience

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