

Opening Date: August 14, 2008
Closing Date: Open Until Filled
Work Location: Austin, Texas

Posting Number: 08-92
Monthly Salary: \$3,500 to \$4,690*
Group/Class#: B9, B11, B13 / 2356,
2360, 2364, 2456, 2460, 2464

*Salary commensurate with experience and qualifications.

TEXAS WATER DEVELOPMENT BOARD JOB VACANCY NOTICE

POSITION TITLE: Groundwater Modeler (Geoscientist I, II, III or Hydrologist I, II, III)

JOB DESCRIPTION: Conducts and assists with routine to moderately complex groundwater modeling studies. Work involves conducting and overseeing the execution of technical projects; preparing designs, plans, estimates, calculations, and documentation; and performing or overseeing the performance of model reviews, testing, collection of data, and implementation of data into model files, model runs, data extraction, interpretation, and documentation. Works under moderate to limited supervision with considerable latitude for the use of initiative and independent judgment.

ESSENTIAL JOB FUNCTIONS:

- Plans, organizes, and implements the acquisition of necessary water resources data to develop, run, and analyze groundwater flow models. This may entail proper documentation of source information, application processes, and quality assurance procedures.
- Designs and implements regional and local spatial analysis for groundwater studies.
- Assists with the preparation and review of technical groundwater reports.
- Researches and delivers written and verbal responses to public, inter, and intra agency inquiries. May include presentations at public meetings summarizing modeling studies.
- Performs related work as assigned.

MINIMUM QUALIFICATIONS:

- Graduation from an accredited four-year college or university with BS in Hydrology, Water Resources, Geology, Hydrogeology or related field with 0 to 4 years work experience. Experience and education may be substituted for one another on a year-by-year basis.
- Experience in groundwater modeling using MODFLOW; prefer experience using Groundwater Vistas.
- Experience with GIS applications; prefer ArcGIS with knowledge of spatial analyst extension and exposure to geodatabase use and design.
- Prefer familiarity with water resources data of Texas.
- Must be licensed as a Professional Geoscientist by the Texas Board of Professional Geoscientists if applying for Geoscientist I, II, or III positions.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Knowledge of MODFLOW and modeling techniques.
- Knowledge of basic hydrological and geological concepts, techniques, and analysis.
- Ability to train others; to plan, assign, and/or supervise the work of others; to plan projects; and to apply hydrogeological concepts.
- Skill in the operation of Windows-based computers and software such as spreadsheets, database, and Word.
- Advanced knowledge of programming including the ability to acquire, manipulate, and develop water resources data in multiple formats and/or from various sources.
- Ability to communicate effectively both verbally and in writing.

REMARKS:

- **Copy of required official academic transcripts and/or licensures must be submitted at time of interview, if selected for interview. Failure to provide required documentation will result in no further consideration for employment.**
- **Acceptable driving record must be presented at the time of interview.**

Female and minority applicants are encouraged to apply.

Males born on or after January 1, 1960, will be required to present proof of Selective Service registration on the first day of employment or proof of exemption from Selective Service registration requirement. All offers of employment are contingent upon the candidate having legal authorization to work in the United States. Failure to present such authorization within the time specified by the U.S. Department of Labor will result in the offer being rescinded. Only applicants interviewed will be notified of their selection or non-selection. Resumes will not be accepted in place of a completed application unless indicated.

APPLY VIA: Mail/Hand Delivery: Texas Water Development Board, 1700 N. Congress, SFA Bldg., Room 429, Austin, TX 78701; Or via facsimile: (512) 463-7644 (A hard copy State of Texas Application, with an original signature, must be sent in addition to the faxed application.)

REFER TO: Human Resources

TELEPHONE: 512/475-2142

Equal Opportunity Employer

NO. of OPENINGS: 1

TRAVEL: 15%

DIVISION: Water Science & Conservation –
Groundwater Resources

The Texas Water Development Board does not discriminate on basis of race, color, national origin, sex, religion, age or disability in employment or provision of services, programs or activities. 1-800-RELAY TX (for Hearing-Impaired)

www.twdb.state.tx.us