



SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
invites applications for the position of:

Hydrogeologist / Engineer

SALARY: \$45,801.80 - \$57,720.00 Annually

OPENING DATE: 08/31/16

CLOSING DATE: Continuous

DESCRIPTION:

The Southwest Florida Water Management District, a leader in protecting Florida's water resources is seeking a Hydrogeologist or Groundwater Engineer in support of the Water Resources Bureau. Professional-level technical, scientific, and administrative work using an understanding of natural and physical science in areas such as engineering, hydrology, and/or geology. Conceptualize and construct numerical models; compile, analyze and evaluate required data; calibrate models and conduct sensitivity analysis; and construct predictive simulations. Summarize and interpret data, develop related recommendations, and perform statistical analysis of hydrologic data. Understand the underlying governing equations and boundary conditions upon which various models are based, and can identify different types of hydrologic and environmental system models and their applicability. Has the ability to analyze model output; lead and respond to external peer reviews, and make recommendations regarding alternatives evaluated to solve complex water management issues. Prepare and present evaluation results both orally and in writing to a variety of audiences including Executive staff and policy makers.

Accepting applications until position is filled.

Salary is based on the qualifications of the successful applicant, including degree and experience.

ESSENTIAL FUNCTIONS:

- Technical research and analysis on assigned projects, including independent modeling (statistical and numerical) of groundwater flow systems.
- Understanding of the principles of groundwater-flow modeling; develops and applies complex groundwater flow and hydrologic models and, is familiar with and uses associated programs and processes.
- Knowledge of computers, computer applications, and applications software commonly used in the field of water resources and engineering, and project management and scheduling.
- Conduct complex research, prepare reports and present results in oral and written form.
- Involved in all phases of project development including, conceptual planning level, performing advanced level geological, analytical, statistical, and/or modeling analysis.
- Able to work with multidisciplinary work teams to develop and apply complex analytical, numerical and statistical modeling tools to assess water resource management problems.
- Principles and practices of groundwater and surface-water hydrology, groundwater quality, water resource development, management, regulation, and geologic principles and practices.

QUALIFICATIONS:
Required

- Bachelor's degree from an accredited college or university in Engineering, Hydrology, or Geology
- Two (2) years of related work experience
- Valid driver's license

Preferred

- Strong statistical background
- Working knowledge of hydrogeologic and groundwater flow principles
- Working knowledge of groundwater flow models
- Ability to use and manipulate large data sets
- Ability to use R, SAS, and other statistical platforms
- Master's or Ph.D.

WORK ENVIRONMENT:

This position is typically scheduled to work 40 hours per week Monday to Friday out of the Brooksville, FL office. This position is eligible to earn compensatory time for hours worked over 40 in a workweek.

In-office: Standard office environment and equipment such as personal computer, copier, etc. Occasional travel may be required. Ability to perform continuous repetitive tasks (to include keyboarding and driving) with one or both hands and feet is required.

In-field: Work performed in the field may often be in remote and undeveloped areas of the District, under adverse weather conditions. Extensive travel and some outdoor labor may be required. May be exposed to extremes in elements, temperature and humidity and to a variety of pests, including mosquitoes and ticks. Must be able to bend, lift, carry, swim and reach above shoulder level. May occasionally require the ability to lift and carry objects weighing up to 50 pounds. Must be able to operate a motorized vehicle for extended periods, some driving may be in off-road (4x4) conditions. May be required to operate all terrain vehicles (ATV) and watercraft. May be required to trailer a boat, load and unload relatively heavy and cumbersome field equipment. Must be able to hike relatively long distances carrying sampling equipment in remote and rugged terrain.

Employee may be subject to call-in outside of regularly scheduled work hours, or required to be on call, including on nights, weekends or holidays, to respond to emergency management activities or other incidents requiring rapid response in support of District operations.

APPLICATIONS MAY BE FILED ONLINE AT:
<http://www.watmatters.org>

Position #16-00372
 HYDROGEOLOGIST / ENGINEER
 AB

2379 Broad Street
 Brooksville, FL 34604
 352-796-7211

careers@watmatters.org

Hydrogeologist / Engineer Supplemental Questionnaire

- * 1. Do you have a Bachelor's degree, or higher, from an accredited college/university in Engineering, Hydrology, or Geology?
- Yes
 No
- * 2. How many years of related work experience do you have?
- None
 Less than 2 year
 2 to 4 years

4 to 6 years

6 or more years

3. List any scientific software you consider yourself as a proficient user, including numerical flow models (surface, ground or integrated), GIS, statistical software, Microsoft, etc.

* 4. Detail your proficiency and experience giving public technical presentations and with technical report writing. Please list specific technical presentations you have presented, as well as the specific publications and technical reports you have written.

* 5. Please list your working knowledge of hydrogeologic and groundwater flow principles.

* 6. Please list your experience with statistical analysis.

* Required Question