

Statistician

The Suwannee River Water Management District currently has an opening for a Statistician. The Statistician position is housed within the Water Supply Division under the direct supervision of the Water Supply Division Director.

Specific duties include, but are not limited to, the following:

- Application of the following types of statistical techniques and approaches:
 - Parametric and nonparametric methods of regression, including generalized least squares regression, logistic regression, and locally-weighted, polynomial regression
 - Multivariate methods, including principal component and cluster analysis
 - Parametric and nonparametric methods for comparing groups, including applications to censored data
 - Spatial interpolation methods
 - Parametric and nonparametric methods of time-series analysis
- Application of open-source or proprietary statistical software and associated data analysis packages
- Use of the above-listed statistical tools and analyses to evaluate water resource related issues for any of the Districts Divisions
- Provide technical assistance to (but not necessarily limited to) the following programs: minimum flows and levels, water supply planning, resource assessment, water level monitoring, water quality monitoring, and water use monitoring
- Provide project management assistance on various water-resource related projects
- Assist with the preparation of materials to be presented to the Governing Board
- Must possess good written and oral communication skills

Qualifications

A bachelor's degree or higher from an accredited college or university in statistics. A bachelor's degree or higher in engineering, geology, hydrology, hydrogeology, biology, limnology or related field with significant academic or other training in statistics will also be considered.

Special Requirements

The following skills and experience are a plus:

- Dynamic regression (transfer-function) methods of time-series analysis
- Artificial neural networking methods
- Object-oriented computer programming using the Python language and associated data analysis packages
- ArcGIS, including familiarity with writing Python programs that call ArcGIS functions
- Working with remote-sensing datasets

- Matlab (or open-source equivalents)
- Relational databases and SQL programming

This job opening is posted at

<http://www.srwmd.state.fl.us/Jobs.aspx?UniqueId=78&From=All&CommunityJobs=False&JobID=Statistician-37> . Interested applicants must use our online application

(<http://www.srwmd.state.fl.us/FormCenter/HR-2/Employment-Application-34>) to be considered for this position.