POSITION DESCRIPTION

Date Revised: 8/16

CLASS TITLE: Statistician
EEO: Professional
FLSA: Exempt
PAY GRADE: 115
DIVISION: Water Supply

ORGANIZATIONAL ASSIGNMENT: The Statistician position is housed within the Water Supply Division under the direct supervision of the Water Supply Division Director. Employee must have a commitment to the District's core values of respect, integrity, teamwork, professionalism and public service.

DUTIES AND RESPONSIBILITIES:
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

MINIMUM 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.