

Jeffrey G. Yeazell, P.E.

State Water Resources Control Board, Division of Water Rights
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Education:

Humboldt State University, Arcata, CA: **Bachelor of Science, Environmental Resources Engineering;**
Graduate 1992.

Courses taken towards the Data Science Specialization Certificate by Johns Hopkins University on Coursera:

- The Data Scientist's Toolbox by Johns Hopkins University on Coursera. Certificate earned on August 29, 2015
- R Programming by Johns Hopkins University on Coursera. Certificate earned on October 3, 2015
- Getting and Cleaning Data by Johns Hopkins University on Coursera. Certificate earned on October 31, 2015
- Exploratory Data Analysis by Johns Hopkins University on Coursera. Certificate earned on November 28, 2015
- Reproducible Research by Johns Hopkins University on Coursera. Certificate earned on January 2, 2016
- Statistical Inference by Johns Hopkins University on Coursera. Certificate earned on February 4, 2016

License/Certification:

Professional Civil Engineer – License C 76869; expires 12/31/2016

Work Experience:

State Water Resources Control Board, Division of Water Rights

Water Resource Control Engineer – August 2013 to Present

Responsibilities have predominantly included: developing and maintaining the surface water demand and water supply data sets for use in water availability analyses; developing time-series graphs showing the relationships between supply and demand for various watersheds; analyzing and summarizing supply/demand data to assist senior staff in making recommendations regarding water availability during the drought.

BSK Associates

Project Engineer – June 2008 to April 2013

Staff Engineer – January 1997 to June 2008

Managed NPDES groundwater monitoring and reporting programs for landfills, wastewater treatment plants, and vineyards. Validated and performed statistical analysis of data to describe the nature and extent of the releases. Created a MySQL database to manage the data, and wrote R scripts to query the database, perform statistical analyses, and create graphs for reports and presentations. Developed concentration limits for inorganic constituents of concern.

Validated and performed statistical analysis of data collected from a 25-well groundwater monitoring network to describe the nature and extent of the release from a landfill identified during detection monitoring, developed proposed concentration limits for inorganic constituents of concern, and proposed a monitoring plan. Developed Microsoft Excel and R scripts that would query the MySQL database for chemical and physical data for a specified monitoring point, conduct appropriate analyses, and then create presentation-ready time-series plots of the data.

Conducted site investigations of hazardous waste and fuel release sites in California. Investigation activities typically involved site conceptualization, workplan preparation, permit acquisition, drilling supervision (soil boring and/or monitoring well installation), soil/groundwater sample collection, data analysis, and report preparation. Managed and conducted the installation of soil and groundwater remediation systems. Responsibilities included designing and implementing pilot tests, designing remediation systems based on the results of the pilot tests, securing building, air, and sewer permits, supervising construction and installation activities, initial startup, operation and maintenance, and reporting to various oversight agencies.