

Melody Kneale

Geomatics Manager

Melody is the Geomatics Manager at **aquilogic**. She has over 12 years of experience using geographic information systems (GIS) to provide solutions to environmental and engineering challenges, with a primary focus on groundwater and water resources management.

Using tools such as Environmental Visualization Systems (EVS) for 3D subsurface modeling, ArcGIS for viewing and understanding spatial relationships, and Earthsoft's EQulS for managing and reporting groundwater data, she has been able to provide improved project understanding and efficiency.

Melody received her Bachelor of Science Degree in Soil, Water, and Environmental Science from the University of Arizona in 1996, and Masters of Science Degree in Geography, with a certificate in GIS from Oklahoma State University in 1999.

Prior to **aquilogic**, Melody was the GIS Coordinator at the Water Replenishment District of Southern California. She was responsible for the database of water quality, upgrading the web-based Interactive Well Search GIS website, and all spatial analyses including basin storage calculations, modeling of contaminant plumes, and GIS for the groundwater model. She has also served as a GIS and Database Analyst for other environmental firms in Southern California, specializing in groundwater contamination.

At **aquilogic**, Melody oversees all operations with regard to project-related data for large scale environmental litigation support and water resources projects. This includes discovery and entry of data often spanning many decades for multiple sites into an enterprise environmental database, locating all geographic locations using various digital and non-digital sources, and analyzing data through mapping, 3D models, cross-sections, and data tables. She is also responsible for updating and maintaining the company website, and generating weekly email newsletters on current trends in groundwater contamination.