

Sean Hartman, Ph.D

Staff Geological Engineer

Sean is a Staff Geological Engineer at **aquilogic**. His job responsibilities include spatial geologic and hydrogeologic analysis, data management, research, report writing, geologic interpretation, and field work management and oversight for environmental litigation, groundwater management, and remediation engineering projects.

Sean began working as a geological engineer in 2019. His work includes using programs such as Surfer for three-dimensional hydrologic media and construction of conceptual hydrogeologic models, and ArcGIS for geomatic tasks. He uses his experience as a structural geologist for projection of stratigraphic and structural features. He provides project support such as technical writing, drafting, and database management and organization. Sean also manages/oversees field work, including well monitoring and surveying projects, groundwater gauging, and groundwater and soil vapor sampling.

Prior to **aquilogic**, Sean taught geology courses at colleges throughout southern California. These included Petrologic Systems at The University of Southern California, and Physical Geology at community colleges in Orange County and Los Angeles. Sean shares authorship with collaborators on journal publications and has presented original research at seminars and conferences. His areas of research focus have included geofluids, structural geology, stable isotope geochemistry, geologic mapping, tectonic geomorphology, and overlay analysis.

Sean received his Bachelor of Science Degree in Geological Sciences from California State University, Fullerton in 2012, and his Ph.D. in Geology from The University of Southern California in 2017. His dissertation focused on understanding the relationships between geofluids and zones of rock deformation (e.g., fault zones). He recently (2022) earned his Geographic Information Systems (GIS) certificate from Cypress College.