

Kyle Shoen
Staff Hydrogeologist, Level 1
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Mr. Shoen has been with JS&A since September 2024. His work includes groundwater modeling, field data collection, well drilling oversight, and visual representation of data with diagrams, maps, and cross-sections. Kyle has experience working across New Mexico and Western Texas, including areas in and around Silver City, Ruidoso, New Mexico Tribal Land, Santa Fe, and El Paso.

Water-Resource Database Development:

Development, organization, and maintenance of data relating to well information, laboratory analysis results, and field data across various projects.

Visual Representations of Data:

Preparing cross-sections and well diagrams using Adobe Creative Suite, preparing graphs and plots in Microsoft Excel, and preparing maps using GIS tools.

Groundwater Flow Modeling:

Development and calibration of site-specific groundwater flow models to evaluate groundwater supply, groundwater and surface-water interactions, and contaminant transport and capture zones. Models are developed to support water-rights permitting, environmental permitting, and water-supply management and development.

Geologic, Hydrogeologic, and Environmental Field Services:

Water-quality sampling, soil sampling, and bedrock sampling for field parameters, hydrocarbon contamination, and laboratory analysis. Contaminant remediation by peroxide injection and data analysis of constant-rate pumping tests. Use of monitoring equipment includes photoionization detectors (PIDs), well sounders, transducers, pygmy meters, and water-quality meters.

Well Construction Oversight:

Onsite supervision during the installation of monitoring wells and water-supply wells. Use of field observations from lithology logging to aid in defining bedrock transitions and well construction. Maintain detailed records of well materials and construction methodologies during drilling, completion, and development. Work projects include oversight for production wells for the City of El Paso, Texas, and various wells for Freeport-McMoRan.

Software Experience:

Microsoft Office Suite, Google Workspace, Adobe Acrobat, Adobe Illustrator, ArcGIS Pro, ArcMap, Solinst Levellogger 4.4.0, Win-Situ 5, Groundwater Vistas 9.

EDUCATION

B.S. Earth Sciences, 2024
The Ohio State University
Columbus, Ohio

REGISTRATIONS

OSHA Hazardous Waste
Operations and Emergency
Response Certification
(HAZWOPER)

MSHA New Miner Part 48(B)
Certification