

Corbin Carsrud
Staff Hydrogeologist, Level 2
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Mr. Carsrud has been with JSAI since July March 2019. His work includes preparing, building, organizing, and maintaining databases of water resource and environmental data, and creating visual representations of data through graphs, plots, maps, cross-sections, and diagrams of wells and lithologies, including 3D model graphics. In the field, Mr. Carsrud has experience sampling groundwater and surface water, performing aquifer pumping tests, overseeing water-supply well drilling projects, and logging lithologies.

Water Resource Database Development:

Building, organizing, and maintaining databases of water resource and environmental data for projects related to water resources development and mining applications.

Visual Representations of Data:

Preparing graphs and plots in MS Excel, preparing maps using GIS tools, and cross-sections and diagrams using Adobe Creative Suite. Experienced in 3D modeling for interpretation and planning of borehole and civil designs.

Well Log Analysis:

Geophysical well log analysis including gamma, neutron, porosity and seismic. Experienced in creating interpolated maps and isopaches from study-area correlation and coring analysis.

Hydrogeologic Field Services:

Geologic mapping and field reconnaissance including sampling groundwater and surface water, performing aquifer pumping tests, overseeing water-supply well drilling projects, and logging lithologies. Operating field equipment including well sounders, transducers, and field water quality meters.

Groundwater Monitoring:

Sampling groundwater monitoring wells at various sites contaminated with petroleum hydrocarbons, sulfates and E.coli contamination. Collecting samples for field water quality measurements and laboratory analysis.

Software Experience:

Proficient in the softwares ArcGIS, LeapFrog Works, Adobe Illustrator SGTA (Subsurface Geological Tracking Analysis), Petra, AgiSoft Photoscan (3D modeling), LiDAR scanning and Trimble Survey Data along with Microsoft Office and various general software

EDUCATION

M.S. Geology, 2019
Sul Ross University of New Mexico

B.S. Geosciences, 2013
Texas Tech University

REGISTRATIONS

MSHA 46

First Aid and CPR

GISP certification