Engineering geology

We provide collaborative, practical solutions for geohazards — whether you see them coming or they take you by surprise.

Sometimes you get to plan for hazards like earthquakes, landslides, floods, sea-level rise impacts, or wildfires, and sometimes you can only respond to them as quickly and safely as possible. Or maybe regulators have told you to evaluate or study a hazard, but you don't know how to move forward. No matter what situation you face, the deep experience of our engineering geology team means we can expertly guide you through siting, design, construction, and maintenance over the lifetime of your project. Our long-term clients can attest to our focus on pragmatic geotechnical solutions, built on a strong understanding of a site's geologic considerations. We're also trusted by regulators and respected by contractors for bringing clear, buildable plans to the job site.

Municipalities, utilities, water districts, public works agencies, real estate developers, and other public and private clients trust our geological consulting firm to plan, design, and execute projects, as well as to respond to emergencies. We're often their first call after disaster strikes, whether they need to reopen a road quickly or plan for longer-term rebuilding. No matter how complex the project, clients rely on our engineering geology consulting services team to communicate with government agencies, emergency responders, private landowners, and even our competitors to reach a solution that's best for them — always our top priority.

Talk to our service experts

Kate Krug

Associate Geologist, Senior Project Manager

Kevin Loeb

Senior Project Manager, Engineering Geologist

David Burger

Program Manager, Geologist

Service highlights

- Geologic and geomorphic site characterization
- Geohazard site and corridor assessments
- Landslide, rock and soil stability analysis and remedial design
- Fault studies and seismic hazard assessments
- Post-fire geohazard risk assessments and mitigation
- Forensic engineering geology
- GIS and data visualization
- LiDAR and UAS (drone) imagery
- Instrumentation, monitoring, and change detection
- Climate change and seismic resilience planning