

Geologic hazards in the western United States are many and varied, and include landslides, expansive soils, surface fault rupture, strong seismic shaking, erosion, and even volcanic activity. We provide services to identify which geologic hazards can impact existing or proposed developments, and make recommendations to mitigate the impacts. Our Professional Geologists and Engineers have provided these services for numerous projects over the past 40 years. For example, EGS conducted a large scale mapping of the Inyo National Forest in California to zone for landslide, fault rupture and volcanic eruption hazards for regional planning. Locally, on a smaller scale, we have conducted numerous investigations of landslides, faulting, expansive soils, and erosion.

One such ongoing investigation is for Basin Academy located in the San Andreas Fault rift zone west of Saratoga, California. Over the past several years we have excavated and logged over 2000 feet of exploratory trenching to identify areas free of evidence of active faulting for housing, a water storage reservoir, a waste water treatment plant, treated water discharge fields, and other facilities. We also recently completed work on the Sonoma County General Plan 2020 update, which evaluated geologic and hazardous materials risks, impacts and mitigations for the General Plan.