

EDUCATION

M.S., Geology, San Jose State University, 1982

B.S., Geology, San Jose State University, 1976

PROFESSIONAL ORGANIZATION

Association of Engineering Geologists

Floodplain Management Association

ACCOMPLISHMENTS

Geologic investigations for public agencies

Peer review and special geologic inspections for municipal facilities

Landslide repairs and foundation stabilization investigation projects

Geologic investigations for residential and commercial projects

Seismic hazards evaluations for residential and commercial development

Forensic engineering geology and causation studies

REPRESENTATIVE EXPERIENCE

Landslide Stabilization Projects San Francisco Bay Area, CA
Completed numerous landslide investigations and stabilization projects throughout the SF Bay Area. Exploration included analysis of aerial photography, geologic mapping, logging of test borings and trenches, and installation and monitoring of slope inclinometers and piezometers. Repair systems included construction of engineered fills, retaining walls, geogrid reinforced earth embankments, buttress fills, soldier pile walls, gabion walls, and riprap revetments.

Subdivision Geologic and Geotechnical Investigations Contra Costa, CA
Principal geologist for geotechnical investigations for residential subdivisions. Scope of work included evaluation of landslide, drainage, expansive soil, fault, soil erosion, liquefaction potential, and bedrock geology related hazards. Projects range from 4 lot minor subdivisions to 200+ lot tracts.

Municipal Grading Ordinance Development Moraga CA
Engineering Geologic Consultant to Town of Moraga for development of new grading ordinance. Included research of grading ordinances, meetings with technical consultants, technical writing of various sections of the ordinance.

5 Canyons Subdivisions Peer Review Alameda County, CA
Provided geological peer review of major 900 home hillside residential subdivision project in Castro Valley area. Work included review of geotechnical reports, development plans, record drawing, observations during construction, annual monitoring of slopes and drainage facilities after construction was completed.

Earthquake Fault Hazard Evaluation Alameda and Contra Costa Counties, CA
Project manager for earthquake fault hazard evaluations projects for residential and commercial properties. Included reconnaissance level mapping, analysis of aerial photographs, logging of exploratory trenches, and evaluation of fault related features, report preparation.

Crow Canyon Realignment Study Castro Valley, CA
Principal Geologist for geologic and geotechnical investigation and report for safety improvements and realignment for Crow Canyon Road between Castro Valley and San Ramon, CA.



Emergency Slope Repairs and Permanent Stabilization, Contra Costa and Alameda Counties, CA
Geotechnical investigations, design of repair plans and specifications, and construction observations and testing for FEMA and FHWA funded Emergency Slope Repairs for sites along major arterials within Contra Costa and Alameda Counties. Sites include Taylor Boulevard in Pleasant Hill; Solano Way, Taylor Boulevard, North Thompson, Pleasant Hill, St. Marys and Martino Roads in Lafayette; Rheem Boulevard, Bollinger Canyon Road, Camino Pablo, Canyon, Moraga, and St. Marys Roads in Moraga; Welch Creek Road in Sunol, and Cantelow Road in Solano County. Repairs have included regrading, reinforced soil slopes, gabions, design of extensive surface and subsurface drain systems, hydroaugers, erosion control improvements, and slough wall systems.

Residential Subdivision Oakley, CA
Managed geological support for 220 home residential subdivision in liquefaction prone area of eastern Contra Costa County. Investigation included mud rotary drilling and Cone Penetration Testing. Analyses included seismic and static stability of building sites and adjoining County-owned flood control basin. Studies indicated the need for remedial grading and deep dynamic compaction ground improvement for portion of site.

Expert Witness and Litigation Support Services Alameda and Contra Costa Counties
Provided expert witness services for landslide, drainage, grading, and earthquake related distress to residential properties. Included field investigations, depositions, mediation, courtroom testimony, preparation of court exhibits.

Fuel Break Project El Cerrito, CA
Geologist for landslide hazard assessment project for proposed fuel break along wildlands/urban interface of Wildcat Canyon and Tilden Regional Parks. Included aerial photo mapping of landslide features, field mapping of bedrock geology and landslide features, and development of landslide capability map.

Road System Rehabilitation Contra Costa County, CA
Provided geologic input for design of remedial repairs to failed cutslopes along primary access route to Mt. Diablo State Park. Project included mapping of bedrock geology, landslides, and evaluation of rock fall and wedge failures.