

Murbach Geotech



MONTE MURBACH

3130 North Evergreen Street
San Diego, CA 92110
Office (619) 222-2044
Cell (619) 865-4949
mmurbach@aol.com

EDUCATION:

Master of Science GEOLOGY, 2000
San Diego State University, CA
Bachelor of Science GEOLOGY, 1982
Eastern Wash. University, Cheney, WA

REGISTRATIONS:

California - Registered Geologist #5284
Certified Engineering Geologist #1856
Oregon - Registered Geologist #G1756
Certified Engineering Geologist #E1756
Washington – Registered Geologist &
Certified Engineering Geologist #1870

BACKGROUND:

Monte Murbach is a registered geologist and certified engineering geologist with over 28 years experience in engineering geology. He has conducted numerous soil, rock and foundation investigations as well as geologic hazard, seismic, and landslide evaluations for clients throughout the western United States and Baja California, Mexico. Monte has extensive project experience extending from the proposal stage dealing with fatal flaw issues (due diligence) to preliminary geotechnical investigation report preparation, and grading and development construction observation. Mr. Murbach is an active member of various geologic societies in the western United States.

EXPERIENCE:

June 2008 to Present: PRINCIPAL ENGINEERING GEOLOGIST, Murbach Geotech.

Providing engineering geologic and geotechnical related consulting services to engineering consulting firms, architectural firms, developers, real estate firms and individual homeowners.

May 2003 to June 2008: OFFICE MANAGER, Petra Geotechnical (San Diego Office).

Responsibilities included: Maintaining profit of office; monitoring expenses, observing and adjusting to profit and loss; hiring and reducing staff. Reviewing draft documents including proposals, change orders, letters, reports, time cards. Mentoring staff; established student mentoring program with area Universities, redirecting staff, interviewing potential staff. Liaison to Corporate office. Performed extensive business development and client maintenance.

February 2003 to May 2003: CHIEF GEOLOGIST, Petra Geotechnical (Murrieta Office).

Responsible for mentoring staff, reviewing geologic and geotechnical reports and supervising large-scale fault investigations, and business development for new and existing clients.

December 2001 to February 2003: ASSOCIATE ENGINEERING GEOLOGIST, Southern California Soil and Testing.

Senior level engineering geologist managing geotechnical projects, reviewing and writing reports, working on business development and mentoring staff geologists and engineers.

March 1999 TO December 2001: CONSULTANT, Murbach Geotech

Certified Engineering Geologist on a consulting basis performing various geologic and geotechnical services and project management in Oregon, Washington and California.

1996 TO 1999: SR. ENG. GEOLOGIST/GEOTECH DIVISION MANAGER: D. J. Newton Associates, Portland, OR

Senior engineering geologist responsible for geologic hazard investigations, geotechnical investigations, and managed the Geotechnical Department; reviewed all out-going reports, mentored engineers/geologists. Assisted in starting geotechnical soils lab. Radiation Safety Officer and managed nuclear density gauges, trained field personnel on grading observation. 1995/1996: PROJECT ENGINEERING GEOLOGIST: Landslide investigations, grading observations of residential and commercial developments, mining reclamation. Projects also included review of properties for purchase or insurance claims on damages.

1989 - 1995: PROJECT ENGINEERING GEOLOGIST, Geocon Inc., San Diego, CA

Performed soil and geologic investigations for commercial and residential projects involving hillside grading; seismic hazard investigations and reports; landslide and slope stability studies utilizing down-hole logging techniques; aerial photograph review; coastal bluff erosion study; groundwater studies; and management of commercial and residential projects during site development. Project sites included numerous projects in Southern and Baja California.

1987-1989: PROJECT ENGINEERING GEOLOGIST: Ninyo & Moore, San Diego, CA

Conducted engineering geologic studies for residential and commercial developments; management of commercial and residential projects during site development; forensic geotechnical studies; groundwater studies; seismic rippability surveys; aerial photography analyses; supervising professional staff; including geologic field mapping, detailed logging of exploratory borings and trenches, and landslide investigations.

1986-1987: CONSULTANT, MURBACH GEOTECH: Geologic Consultant to Geocon, Geopacifica, Hetherington Engineering, Leighton & Assoc., Owen Geotechnical, Steve Jensen Geology, Southern CA

Performed geologic and soils investigations for residential and hillside developments and capital improvement projects; forensic geotechnical studies; and third-party review.

1983-1986: GEOLOGIST/FIELD TECHNICIAN: Leighton & Assoc., San Diego, CA

Conducted geologic and soils investigations for residential and commercial developments involving hillside grading; in-grading geologic inspection; fill control; and forensic geotechnical studies.

1979-1983: TECHNICIAN: Bureau of Reclamation (USBR), Grand Coulee, WA

Temporary appointments for the Riverbank Landslide Stabilization Program: Performed logging of core, mapping, gathered and reduced data from drill holes and pump tests, laboratory testing for physical properties of soils, concrete and asphalt sampling, inspection and laboratory testing.

SELECT PROJECTS:

- Geotechnical Investigation/Rock Outcrop Characterization for new Waterline Infrastructure, Pine Hills Community Water District, Julian, CA;
- Geotechnical Observation and Testing, Waterline and Tank Construction, Lake Morena Water Community District, San Diego County, CA;
- Northridge Earthquake - Evaluation of Earthquake-Related Geotechnical Damage for Approximately 50 Sites in the Los Angeles (Area), CA;
- Campo Indian Reservation Landfill Site - Geologic Hazards Investigation, Logistics Coordinator for the Army Corps of Engineers, Campo, CA;
- Chapman Hospital Expansion - Seismic Hazard Evaluation for blind thrust faulting and site accelerations (after the 1994 Northridge earthquake), Orange Co., CA;
- Ranch Del Rey, Landslides/buttruss construction grading observation, Chula Vista, CA,
- Bayview Navy Housing - Geologic Hazards (fault locating for building setbacks) and Geotechnical Investigation, San Diego, CA;
- Astoria Navy Housing - Geotechnical Investigation and Landslide Evaluation for Proposed Redevelopment at Old Navy Housing Site, Astoria, OR;
- Miramar Landfill - Expansion/Aggregate Study, San Diego, CA;
- Cuyamaca Landfill - Geotechnical site stability study for proposed development adjacent to Landfill, Santee, CA;
- Calexico Border Crossing - Geologic Hazards (faulting & liquefaction study) & Geotechnical Investigation for a trucking port facility, Imperial Valley, CA;
- Borrego Springs Resort - Fissure & faulting hazard evaluation, Borrego Springs, CA;
- Vail Lake Development - Geologic Hazards (faulting, mapping), Investigation, Temecula, CA;
- Aliso Canyon New Utility Lines, Geologic Hazards (Landslides) reconnaissance, Orange Co., CA;
- Baja Mar Tourist Resort - Geotechnical Investigation, Ensenada, Baja CA, Mexico;
- Various Development Projects - Geotechnical Investigations, Tijuana, Mexico;
- Progress Quarry Reclamation, Geotechnical Investigations/Re-grading, Portland, OR;
- Japanese Garden People Mover, Feasibility/Landslide Investigation, Portland, OR;
- Diamond Terrace 14-Story Building, Fault Mapping and Construction Observation, Downtown Redevelopment, San Diego, CA
- Toledo High School - Seismic Hazards Report, Toledo, OR;
- Skamania Dam - Geotechnical Investigation and Rehabilitation, Skamania, WA;
- City of Kelso - Third Party Landslide Review, Kelso, WA;
- San Diego School District, Review of Geotechnical Reports for 23 School Sites, CA;
- Bequette Residence - Active Landslide Investigation & Buttruss, La Center, WA;
- Lincoln City - Third Party Geotechnical Review, Lincoln City, OR;
- Thurston & Springfield High School- Seismic Hazards Report, Springfield, OR;
- Terwilliger Redevelopment Complex - Geotechnical Investigation and Seismic Hazards Evaluation, Portland, OR;
- Oregon Dept. of Veterans Affairs Home - Seismic Hazard Report, The Dalles, OR.

RESEARCH PROJECTS

1995-2000: Completed work on a research project with San Diego State University on the Rose Canyon fault zone in San Diego, California. The project investigated Holocene earthquake activity in the La Jolla area with respect to faulting in the San Diego region. The project was partially funded by NEHRP-USGS through Dr. Tom Rockwell, San Diego State University.

1994: Assisted with a research project "Characteristics of Fault Rupture Adjacent to Distressed Structures", awarded by EERI/FEMA. Trenches were excavated through and adjacent to three structures that were damaged by direct fault displacement from the Landers 1992 earthquake fault rupture.

PROFESSIONAL SOCIETIES & OFFICES HELD:

San Diego Association of Geologists (SDAG), President 2004.

San Diego Geological Society (SDGS), Board of Directors 2008- 2009.

San Diego State University (SDSU), Geology Dept. Thesis Review Committee 2008 & 2009.

Association of Environmental and Engineering Geologists (AEG); Oregon Section Treasurer 1998-1999, Planning Committee AEG National Meeting, LA 2007; Foundation Committee 2009.

Seismological Society of America (SSA).

South Coast Geological Society (SCGS); Vice President 2009.

Geological Society of America (GSA).

Toastmasters International, awarded CTM, 1999.

AWARDS:

1989 San Diego State University, Geological Sciences, Spring, Outstanding Research Award (Joint Project).

1998 Employee of the Year, D.J. Newton Associates.

OTHER CERTIFICATIONS:

40-hour OSHO Training Certification.

Radiation Safety Officer (for nuclear densometers).