

SUMMARY OF EXPERIENCE

I have over 17 years of experience in the engineering geological and hydrogeological consulting profession evaluating geologic hazards for construction and land development projects throughout California. I hold three California professional licenses. I am the president and founder of Earth Focus Geological Services, Inc., an engineering geological consulting firm in Fremont, California. More recently, I have become involved in community outreach and mentorship through teaching at the California State University, Hayward (CSUH).

TECHNICAL EXPERTISE

Earthquake Fault Hazard Evaluations (Alquist-Priolo Fault Studies): I have evaluated sites for residential construction along the Calaveras, Concord, Green Valley, and Hayward faults in northern California; and along the Malibu Coast, San Jacinto, Sierra Madre, Springville, and Whittier faults in southern California.

Landslide Investigations and Repair/Mitigation Techniques: I have investigated, mapped, instrumented, and repaired hundreds of landslides ranging from shallow debris flows to ancient large-scale landslides.

Grading Inspection for Earthwork Developments: I have geologically mapped excavations for commercial and residential grading projects ranging in size from 5 thousand to 30 million cubic yards.

Down-Hole Logging of Large Diameter Borings (>24 inches): I have geologically logged over 150 large-diameter borings to depths exceeding 140 feet to explore landslides, faults, and bedrock structure.

UNIVERSITY TEACHING AND OUTREACH

Invited Speaker: Acalanes High School, Lafayette, California, Geology Class, November 1996
California State University, Hayward (CSUH) Cummings Geology Club, January 2000

Geology Lecturer: California State University, Hayward (CSUH), Winter Quarter 2004, Engineering Geology for Graduates; and Environmental Geology Labs for Undergraduates
California State University, Hayward (CSUH), Spring Quarter 2004, Introduction to Physical Geology Lecture and Labs for Undergraduates

EDUCATION

M.S., Geology, 1999, California State University, Los Angeles, CA

B.S., Geology, 1985, West Virginia University, Morgantown, WV

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

California Registered Geologist, 1993 (RG-5744)

California Certified Engineering Geologist, 1995 (CEG-1916)

California Certified Hydrogeologist, 1998 (CHG-573)

PROFESSIONAL HISTORY

Earth Focus Geological Services, Inc., Fremont, CA: President and Senior Engineering Geologist, 2002–present
Gilpin Geosciences, Inc., Walnut Creek, CA: Senior Engineering Geologist, 2001–2002
Geolith Consultants, Inc., Pleasant Hill, CA: Senior Engineering Geologist, 1998–2001
Rogers/Pacific, Inc., Pleasant Hill, CA: Senior Engineering Geologist, 1994–1997
Leighton and Associates, Inc., Diamond Bar, CA: Senior Staff Engineering Geologist, 1991–1994
Robert Stone & Associates, Inc., Van Nuys, CA: Soil Technician to Staff Engineering Geologist, 1987–1991
Robertson Research (U.S.) Inc., Houston, TX: Petroleum Geology Technician, 1985–1986

SELECTED PUBLICATIONS

Drumm, P. L., Ramsdell, J. B., and Busing, A. V., 2000, Trench Exposure of Northern Calaveras Fault, San Francisco Bay Area, California: *in* Program and Abstracts: Joint Annual Meeting, Association of Engineering Geologists and Groundwater Resources Association, San Jose, California, p. 83.

Drumm, P. L., 1999, A Study of the Late Cenozoic Faulting and Geologic Evolution of the San Antonio Canyon Watershed with Emphasis on Fill Terrace Deposits and Rock Avalanches, Eastern San Gabriel Mountains, Bordering Los Angeles and San Bernardino Counties, California: Unpublished Master's Thesis, Department of Geology, California State University, Los Angeles, 134 p.

Rogers, J. D., and Drumm, P. L., 1999, Overview of the 1998 Mission Peak Landslide, Fremont, California: Northern California Geological Society Field Trip Guide – Saturday May 8, 1999, 15 p.

Herber, L. J., and Drumm, P. L., 1998, San Antonio Canyon, Eastern San Gabriel Mountains; Geology and Human Development: Field Trip 3, April 4, 1998 (Guidebook), Cordilleran Section, Geological Society of America Meeting, California State University, Long Beach, California, 30 p.

Gath, E. M., Gonzalez, T., Drumm, P. L., and Buchiarelli, P., 1994, Paleoseismic Investigation at the Northern Terminus of the Whittier Fault Zone, in the Whittier Narrows Area, Rosemead, California: *in* Engineering Geology: Past, Present and Future: Program and Abstracts – Association of Engineering Geologists 37th Annual Meeting, October 1–8, 1994, Williamsburg, Virginia, p. 47.

Drumm, P. L., 1992, Holocene Displacement of the Central Splay of the Malibu Coast Fault Zone, Latigo Canyon Area: *in* Pipkin, B. W. and Proctor, R. J., eds., *Engineering Geology Practice in Southern California*: Association of Engineering Geologists Special Publication No. 4, pp. 247–254.

PROFESSIONAL MEMBERSHIPS

American Association of Petroleum Geologists – Since 1995
Association of Engineering Geologists – Since 1993; currently serving as Vice-Chair, San Francisco Section
Geological Society of America – Since 1993
Northern California Geological Society – Since 1996
South Coast Geological Society – Since 1993