

ROY J. SHLEMON & ASSOCIATES, INC.
Geologic and Environmental Consultants

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Quaternary Geology
Economic Geomorphology
Soil Stratigraphy
Geoarchaeology

ROY J. SHLEMON
SUMMARY OF RESUME

Education: B.A. Fresno State College, 1957
M.S. University of Wyoming, Laramie, 1958
Ph.D. University of California, Berkeley, 1967

University Positions (Teaching/Research):

Univ. California, Davis (Assistant Professor; and current Research Associate)
Louisiana State Univ., Baton Rouge (Assoc. Professor)
Stanford University (Consulting Professor, [part time])
Univ. California, Los Angeles (Lecturer [part time])
Calif. State Univ., Los Angeles (Lecturer [part time])
Univ. California, Irvine (Lecturer [part time])
San Diego State Univ. (Lecturer [part time])
Calif. State Polytech. Univ., San Luis Obispo (Visiting Lecturer)

Consulting Practice: (Principal, R. J. Shlemon & Assoc., Inc., Newport Beach)

Approximately 30-years, full-time consulting geologist specializing in Quaternary geology, geomorphology, geoarchaeology and soil stratigraphy. Applications to engineering and engineering-geologic practice: fault-activity investigations (neotectonics/paleoseismicity), landslides, ground-fissure and differential settlement evaluations; independent and contract reviewer to government agencies and private organizations; forensic expert-witness testimony; Superior Court neutral referee (Orange County); advisory services and boards for U.S. Bureau of Reclamation, Corps of Engineers and other federal, state, local and international government agencies. Mining: Pleistocene auriferous and tin-bearing channels; sand and gravel deposits. Contaminant pathways: buried Pleistocene channel systems. Archaeology: reconstruction of Quaternary environments, age of sediments and soils.

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Representative Applications:

Siting nuclear power plants, liquefied natural gas terminals, large dams, high- and low-level radioactive waste facilities, Class I-III landfills (California); assessment of ancient and modern landslides, origin and age; seismic risk; paleohydrology: flood frequency, erosion and sedimentation, and environmental assessments.

Professional Organizations and Service:

Registered Geologist, State of California.

Certified Professional in Erosion and Sedimentation Control.

Professional Geologist, American Institute of Professional Geologists.

Member/Fellow approximately 25 international, national and local professional and honorary organizations.

Trustee and Vice-Chair, Geological Society of America Foundation.

Director, Engineering Geology Foundation (Association of Engineering Geologists).

North American Representative, International Commission on Geological Sciences for Environmental Planning.

Member, Technical Advisory Committee, California Board of Geology and Geophysics.

Professional Awards/Recognition

National Science Foundation Educational Awards, 1960 through 1965.

“Best Paper Award” - 1985, “Applications of Soil Stratigraphy to Engineering Geology,” Bulletin, Association of Engineering Geologists.

“Distinguished Lecturer” - Richard H. Jahns Distinguished Lecturer, Association of Engineering Geologists.

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Professional Awards/Recognition (continued)

“Distinguished Practice Award” - Geological Society of America, Engineering Geology Division.

“Honorary Member” - Association of Engineering Geologists.

“Scientific Achievement Award” - Orange County Engineering Council.

“Honorary Member” - American Institute of Professional Geologists

“Outstanding Alumnus” - College of Letters & Science, University of Wyoming, Laramie

Publications:

Approximately 275 professional journal publications (monographs, articles, abstracts, reviews) since 1965 dealing with mining (hydraulic and placer), and Quaternary geology, geomorphology, geoarchaeology and soil-stratigraphic applications to engineering-geologic practice. Topics range from landslide and debris-flow recognition, risk and age, to delta formation, fault-activity assessments, and location and cause of ground fissures and differential settlement. An additional 300 technical reports of limited distribution focus on site-specific investigations of faults, landslides, ground fissures and differential subsidence and other Quaternary geologic phenomena worldwide (list of publications and technical reports available upon request).

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Seismotectonic Investigations for Proposed and Existing Dams

Consultant services directly commissioned by governmental agencies or by engineering-geological firms involved in dam and damsite investigations.

Representative seismotectonic investigations include the following existing and proposed dams:

California: Auburn, Folsom, Potrero, Black Butte, Cottonwood Creek, Anderson, Harvey Place, San Andreas, Crystal Springs, O'Neill, San Luis, Contra Loma, Bradbury, Glenn Reservoirs, New Melones, New Hogan, West Reservoir, Hidden, Buchanan, Pine Flat, Eastside Reservoir east and west dams (Domenigoni/Diamond Valley);

Arizona: Roosevelt, Stewart, Mountain, Horseshoe, Bartlett;

Colorado: Two Forks, Twin Lakes;

Montana: Gold mining tailing dams and ponds;

Utah: Little Dell, SCS southern Utah embankment dams; Piute

Washington: Mud Mountain;

Colombia: Bettania;

Guatemala: Chixoy.