EARTHQUAKES AND SEISMOLOGY – LEGAL ASPECTS

Perkins, J. B.; Moy, Kenneth, 1989, Liability of local government for earthquake hazards and losses—A guide to the law and its impacts in the States of California, Alaska, Utah, and Washington; Final report.

EARTHQUAKES AND SEISMOLOGY – NETWORKS AND CATALOGS

Berg, J. W., Jr.; Baker, C. D., 1963, Oregon earthquakes, 1841 through 1958 [abstract].

Chan, W. W., 1988, Network and array analysis of Puget Sound earthquake 1962-1969.

Chan, W. W.; Cessaro, R. K., 1988, Network and array analysis of Puget Sound earthquake 1962-1969.

Crosson, R. S.; Crosson, E. L., 1988, A new detection algorithm for phase arrivals using a regional seismograph network [abstract].

Crosson, R. S.; Ludwin, R. S., 1989, Regional seismic monitoring in western Washington.

Crosson, R. S.; Malone, S. D., 1988, Regional seismic monitoring in western Washington.

Crosson, R. S.; Malone, S. D.; Ludwin, R. S., 1989, Regional seismic monitoring in western Washington.

Crosson, R. S.; Malone, S. D.; Qamar, A. I.; Ludwin, R. S., 1991, 1. Regional seismic monitoring in western Washington, and, 2. Seismic monitoring of volcanic and subduction processes in Washington and Oregon.*

Drysdale, J. A.; Lamontagne, Maurice; Horner, R. B., 1989, Canadian earthquakes, January 1987 to September 1988.

Eaton, J. P., 1989, Dense microearthquake network study of northern California earthquakes.*

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation—Catalog of historical seismicity, northern Cascade mountains geomorphic province.

Horner, R. B.; Kolinsky, R., 1989, Earthquakes in western Canada from January 1987 to September 1988.

Iyer, H. M.; Rite, Alan; Kollman, Auriel; Knapp, David, 1983, Seismicity in the Cascades of Oregon and California [abstract].

Kollman, Auriel; Zollweg, J. E., 1982, Oregon seismicity—August 1980 to October 1982.

Kollman, Auriel; Zollweg, J. E., 1985, Oregon Cascades earthquake catalog—August 1, 1980–October 31, 1982 [abstract].

Lester, F. W., 1991, Northern and central California seismic network processing.

Ludwin, R. S.; Malone, S. D.; Crosson, R. S.; Qamar, A. I., 1991, Washington earthquakes, 1985.

Ludwin, R. S.; Qamar, A. I., 1991, Reevaluation of the 19th century Washington and Oregon earthquake catalog using original accounts—The moderate sized earthquake of May 1, 1882 [abstract].

Maley, Richard, 1986, Strong motion accelerograph stations in Oregon and Washington (April 1986). Appendix C

Malone, S. D., 1991, The HAWK seismic data acquisition and analysis system [abstract].

Milne, W. G., 1953, Seismological investigations in British Columbia [abstract].

Munro, P. S.; Halliday, R. J.; Shannon, W. E.; Shieman, D. R. J., 1990, Canadian seismograph operations—1987.

Palmer, S. P., 1991, Modified Mercalli intensity VI and greater earthquakes in Washington State, 1928-1990.

Qamar, A. I.; Ludwin, R. S., 1991, Earthquake intensities.

Rogers, G. C., 1984, The seismograph network in British Columbia—1983 [abstract].

Stover, C. W., 1988, Washington.

Stover, C. W.; Brewer, L. R., 1991, United States earthquakes, 1985.

Uhrhammer, R. A., 1991, Northern and central California earthquakes, 1985.

University of Washington Geophysics Program, 1988-1991, Quarterly network report 91-B on seismicity of Washington and northern Oregon.*

VanDecar, J. C.; Crosson, R. S., 1990, Determination of teleseismic relative phase arrival times using multi-channel cross correlation and least squares.

VanDecar, J. C.; Crosson, R. S.; Creager, K. C., 1990, Teleseismic arrivals recorded over the Cascadia subduction zone—Amplitude variation and calibration of the Washington regional seismic network [abstract].

EARTHQUAKES AND SEISMOLOGY – 1872, 1882 EVENTS

Ludwin, R. S.; Qamar, A. I., 1991, 1882 earthquake rediscovered.

Ludwin, R. S.; Qamar, A. I., 1991, Reevaluation of the 19th century Washington and Oregon earthquake catalog using original accounts—The moderate sized earthquake of May 1, 1882 [abstract].

Scott, N. H., 1976, Evaluation of the epicenter and intensity of the Pacific Northwest earthquake of December 14, 1872.

EARTHQUAKES AND SEISMOLOGY – 1918 EVENT

Cassidy, J. F.; Ellis, R. M.; Rogers, G. C., 1987, A re-examination of the 1918 (Ms~7) and 1957 (Ms~6) Vancouver Island earthquakes [abstract].*

Denison, F. N., 1919, The British Columbia earthquake of December 6, 1918.

EARTHQUAKES AND SEISMOLOGY – 1946 EVENT

Clague, J. J., 1989, Research on earthquake-induced ground failures in southwestern British Columbia [abstract].

Evans, S. G., 1989, The 1946 Mount Colonel Foster rock avalanches and associated displacement wave, Vancouver Island, British Columbia.

Hasegawa, H. S.; Rogers, G. C., 1978, Quantification of the magnitude 7.3, British Columbia earthquake of June 23, 1946.

Hodgson, E. A., 1946, British Columbia earthquake, June 23, 1946.

Hodgson, J. H.; Milne, W. G., 1951, Direction of faulting in certain earthquakes of the north Pacific.

Mathews, W. H., 1979, Landslides of central Vancouver Island and the 1946 earthquake.

Murty, T. S.; Crean, P. B., 1986, Numerical simulation of the tsunami of June 23, 1946 in British Columbia, Canada.

Nabelek, J. L., 1989, Rupture characteristics of large earthquakes along the Juan de Fuca subduction zone using historical seismograms.

Rogers, G. C., 1977, A second look at the British Columbia earthquake of 23 June, 1946 [abstract].

Rogers, G. C.; Hasegawa, H. S., 1978, A second look at the British Columbia earthquake of June 23, 1946.

Slawson, W. F.; Savage, J. C., 1978, Geodetic deformation associated with the 1946 Vancouver Island, Canada, earthquake [abstract].

EARTHQUAKES AND SEISMOLOGY – 1949 EVENT

Algermissen, S. T., 1988, Regional and national seismic hazard and risk assessment.

Baker, G. E., 1986, Source parameters of the magnitude 7.1, 1949, south Puget Sound, Washington earthquake determined from long-period body waves.

Chleborad, A. F.; Schuster, R. L., 1989, Characteristics of slope failures induced by the April 13, 1949, and April 29, 1965, Puget Sound area, Washington, earthquakes.

Chleborad, A. F.; Schuster, R. L., 1990, Ground failure associated with the Puget Sound region earthquakes of April 13, 1949, and April 29, 1965.

Fajfar, Peter; Vidic, Tomaz; Fischinger, Matej, 1990, A measure of earthquake motion capacity to damage medium-period structures.

Hopper, M. G., 1988, Effects of past earthquakes in the Puget Sound area.

Langston, C. A., 1986, Effect of lateral heterogeneities on strong ground motion.

Langston, C. A.; Baker, G. E., 1986, Source parameter constraints from strong ground motions of the April 13, 1949, Puget Sound earthquake.

Liu, T.-K., 1980, A spectral density and response spectra analysis of some earthquake records.

Palmer, S. P., 1990, Geotechnical analysis of liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes.*

Palmer, S. P.; Shulene, J. A., 1990, Liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes [abstract].

Schuster, R. L.; Chleborad, A. F., 1990, Ground failure caused by the 1949 and 1965 Puget Sound earthquakes, western Washington [abstract].

Shulene, J. A., 1990, Evidence of liquefaction in the Puyallup Valley during the 1949 and 1965 Puget Sound earthquakes.

U.S. Army Corps of Engineers, 1949, Report of damage resulting from earthquake of 13 April 1949.

EARTHQUAKES AND SEISMOLOGY – 1956, 1957 EVENTS

Cassidy, J. F.; Ellis, R. M.; Rogers, G. C., 1987, A re-examination of the 1918 (Ms~7) and 1957 (Ms~6) Vancouver Island earthquakes [abstract].*

Stephens, Ernest, Jr., 1958, Intensity distribution study and fault plan solution for the Cape Mendocino, California, earthquake of October 11, 1956.

EARTHQUAKES AND SEISMOLOGY – 1962, 1963 EVENTS

Rasmussen, N. H., 1967, Registration of earthquakes from University of Washington seismic net, 1963.

Yelin, T. S.; Patton, H. J., 1991, Seismotectonics of the Portland, Oregon, region.*

EARTHQUAKES AND SEISMOLOGY – 1964 EVENT (Alaska)

White, W. R. H., 1966, The Alaska earthquake—Its effect in Canada.

EARTHQUAKES AND SEISMOLOGY – 1965 EVENT (Hope landslide)

Weichert, D. H.; Horner, R. B.; Evans, S. G., 1990, Earthquakes and the 1965 Hope landslide? [abstract].

Wetmiller, R. J.; Evans, S. G., 1989, Analysis of the earthquakes associated with the 1965 Hope landslide and their effects on slope stability at the site.

EARTHQUAKES AND SEISMOLOGY – 1965 EVENT (Puget Lowland)

Algermissen, S. T., 1988, Regional and national seismic hazard and risk assessment.

Chleborad, A. F.; Schuster, R. L., 1989, Characteristics of slope failures induced by the April 13, 1949, and April 29, 1965, Puget Sound area, Washington, earthquakes.

Chleborad, A. F.; Schuster, R. L., 1990, Ground failure associated with the Puget Sound region earthquakes of April 13, 1949, and April 29, 1965.

Crouse, C. B.; Huang, M.-J.; Shakal, A. F., 1989, Additional processed accelerogram data recorded during the 1965 Puget Sound, Washington earthquake [abstract].

Hopper, M. G., 1988, Effects of past earthquakes in the Puget Sound area.

Laane, J. L.; Chen, W.-P.; Grimson, N. L.; Yu, Nan, 1986, The Makran earthquake of April, 1983—A possible analogue to the Puget Sound event of 1965 [abstract].

Palmer, S. P., 1990, Geotechnical analysis of liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes.*

Palmer, S. P.; Shulene, J. A., 1990, Liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes [abstract].

Schuster, R. L.; Chleborad, A. F., 1990, Ground failure caused by the 1949 and 1965 Puget Sound earthquakes, western Washington [abstract].

Shulene, J. A., 1990, Evidence of liquefaction in the Puyallup Valley during the 1949 and 1965 Puget Sound earthquakes.

Twelker, N. H., and Associates, 1966, Damages caused by earthquake of April 29, 1965—Letter report, Port of Seattle Commission, Pier 5 Terminal.

Wallace, T. C.; Lay, Thorne, 1986, Multiple ScS travel times and attenuation beneath the western United States [abstract].

EARTHQUAKES AND SEISMOLOGY – 1972–1978 EVENTS

Couch, R. W.; Thrasher, G. P.; Keeling, Kenneth, 1976, The Deschutes Valley earthquake of April 12, 1976.

Knapp, J. S., Jr., 1976, Velocity changes associated with the Ferndale earthquake.

Nason, Robert; Harp, E. L.; La Gesse, Harry; Maley, R. P., 1975, Investigations of the 7 June 1975 earthquake in Humboldt County, California.

Rogers, G. C., 1975, The Vancouver Island earthquake of July 5, 1972 [abstract].

Rogers, G. C.; Baldwin, R. E.; Hasegawa, H. S., 1989, The May 16, 1976 Pender Island earthquake [abstract].*

Rogers, G. C.; Spindler, Christopher, 1989, The 1978 Brooks Peninsula, Vancouver Island earthquakes [abstract].

Spindler, Christopher; Rogers, G. C., 1989, The 1978 Brooks Peninsula, Vancouver Island earthquakes [abstract].

Valera, J. E.; Seed, H. B.; Tsai, C. F.; Lysmer, J., 1977, Soil-structure interaction effects at the Humboldt Bay power plant in the Ferndale earthquake of June 7, 1975.

Woodcock, S. F.; Couch, R. W., 1975, The Tillamook earthquakes of 16 June 1973 [abstract].

EARTHQUAKES AND SEISMOLOGY – 1980 EVENTS

see also **MOUNT ST. HELENS – EARTHQUAKES AND SEISMOLOGY**

Field, M. E., 1983, Sediment failure of November 1980, Klamath River Delta, northern California [abstract].

Field, M. E.; Gardner, J. V.; Jennings, A. E.; Edwards, B. D., 1981, Seafloor failures caused by the November 8, 1980 earthquake off northern California.

Lajoie, K. R.; Keefer, D. K., 1981, Investigations of the 8 November 1980 earthquake in Humboldt County, California.

Rite, Alan; Iyer, H. M.; Rojas, V., 1980, July 1980 Mount Hood earthquake swarm [abstract].

EARTHQUAKES AND SEISMOLOGY – 1981–1989 EVENTS

Clayton, G. A.; Zollweg, J. E., 1987, Tertiary–Quaternary faults and the 1981 magnitude 5 earthquake in the Goat Rocks Wilderness, south-central Cascade Range, Washington [abstract].

Person, W. J., 1981, Earthquakes, May-June 1981.

Person, W. J., 1987, Earthquakes, November-December 1987.

Qamar, A. I., 1988, The effect of local geology on earthquake intensity in the Seattle to Portland region of Washington and northern Oregon.

Qamar, A. I.; Bodle, T. R., 1989, Using earthquake intensities to determine ground response in the Puget Sound region.

Rite, Alan; Iyer, H. M., 1981, Oregon seismicity—1981 [abstract].

Yelin, T. S.; Patton, H. J., 1991, Seismotectonics of the Portland, Oregon, region.*

EARTHQUAKES AND SEISMOLOGY – 1990 EVENTS

Nabelek, J. L.; Werner, K. S.; Yeats, R. S.; Malone, S. D., 1990, The August, 1990, Woodburn, Oregon earthquake sequence—Constraints from broadband regional recording and geological implications [abstract].

Qamar, A. I.; Zollweg, J. E., 1990, The 1990 Deming, Washington earthquakes—A sequence of shallow thrust earthquakes in the Pacific Northwest [abstract].

Werner, K. S.; Nabelek, J. L.; Yeats, R. S.; Malone, S. D., 1990, The Mt. Angel fault—Implications of August, 1990, Woodburn, Oregon earthquake sequence [abstract].

Yeats, R. S., 1990, A search for active faults in the Willamette Valley, Oregon.

Earthquakes and seismology – Offshore areas, *see* MARINE GEOLOGY – EARTHQUAKES AND SEISMOLOGY

EARTHQUAKES AND SEISMOLOGY – OREGON

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Algermissen, S. T., 1990, Regional and national seismic hazard and risk assessment.*

Algermissen, S. T.; Perkins, D. M.; Thenhaus, P. C.; Hanson, S. L.; Bender, B. L., 1990, Probabilistic earthquake acceleration and velocity maps for the United States and Puerto Rico.

Beaulieu, J. D.; Hughes, P. W., 1975, Environmental geology of western Coos and Douglas Counties, Oregon.

Berg, J. W., Jr.; Baker, C. D., 1963, Oregon earthquakes, 1841 through 1958 [abstract].

Bodvarsson, G. M., 1975, Ocean wave-generated microseisms at the Oregon coast.

Byerly, Perry, 1940, Seismicity of the northern Pacific Coast of the United States.

Chan, W. W.; Wagner, R. A.; Cessaro, R. K.; Gupta, I. N., 1989, Source time functions of some Cascadian earthquakes [abstract].

Cohee, B. P.; Somerville, P. G.; Abrahamson, N. A., 1990, Ground motions from hypothesized M_w=8 subduction earthquakes in the Pacific Northwest [abstract].

Cohee, B. P.; Somerville, P. G.; Abrahamson, N. A., 1991, Simulated ground motions for hypothesized M_w=8 subduction earthquakes in Washington and Oregon.

Cohee, B. P.; Somerville, P. G.; Sen, M. K., 1989, Strong ground motions in the Seattle–Portland region from hypothesized M_w=8 subduction earthquake [abstract].

Cornforth, D. H., 1990, Earthquake-induced landslides.

Couch, R. W.; Lowell, R. P., 1971, Earthquakes and seismic energy release in Oregon.

Couch, R. W.; Thrasher, G. P.; Keeling, Kenneth, 1976, The Deschutes Valley earthquake of April 12, 1976.

Crosson, R. S.; Ludwin, R. S., 1989, Regional seismic monitoring in western Washington.

Crosson, R. S.; Malone, S. D.; Qamar, A. I.; Ludwin, R. S., 1991, 1. Regional seismic monitoring in western Washington, and, 2. Seismic monitoring of volcanic and subduction processes in Washington and Oregon.*

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1991, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.*

Dewey, J. W.; Spence, W. J., 1978, Expected ground motion at proposed nuclear power plant sites [abstract].

Dusseau, R. A., 1990, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Ferrick, M. G.; Qamar, A. I.; St. Lawrence, W. F., 1982, Source mechanism of volcanic tremor.

Friday, W. M., 1989, Oregon's building regulation system.

Ganoe, S. J., 1983, Investigation of Pn wave propagation in Oregon.

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C., 1989, More evidence from tidal-marsh stratigraphy for multiple late Holocene subduction earthquakes along the northern Oregon coast [abstract].

Grant, W. C.; McLaren, D. D., 1987, Evidence for Holocene subduction earthquakes along the northern Oregon coast [abstract].

Green, S. M.; Weaver, C. S.; Iyer, H. M., 1979, Seismic studies at the Mt. Hood volcano, northern Cascade Range, Oregon.

Hammond, P. E.; Benson, G. T.; Cash, D. J.; Palmer, L. A.; Donovan, Jan; Gannon, Brian, 1974, A preliminary geological investigation of the ground effects of earthquakes in the Portland metropolitan area, Oregon.

Hays, W. W., editor, 1988, Workshop on "Evaluation of earthquake hazards and risk in the Puget Sound and Portland areas"; Proceedings of conference XLII.

Hays, W. W., 1989, Preface.

Hays, W. W., editor; Huey, Linda, compiler, 1989, Proceedings of Conference XLVIII, 3rd annual workshop on "Earthquake hazards in the Puget Sound, Portland area".

Hearn, Thomas; Beghoul, Noureddine; Barazangi, Muawia, 1991, Tomography of the western United States from regional arrival times.

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Iyer, H. M.; Rite, Alan, 1981, Teleseismic P-wave delays in the Oregon Cascades [abstract].

Iyer, H. M.; Rite, Alan; Kollman, Auriel; Knapp, David, 1983, Seismic monitoring, Oregon and California volcanoes [abstract].

Iyer, H. M.; Rite, Alan; Kollman, Auriel; Knapp, David, 1983, Seismicity in the Cascades of Oregon and California [abstract].

Johnson, A. G.; Scofield, D. H., 1985, Seismic acceleration hazard maps for Oregon [abstract].

Johnson, A. G.; Scofield, D. H.; Sager, J. W.; Grubaugh, Phil, 1984, Seismic hazard maps for Oregon [abstract].

Kockelman, W. J., 1989, Reducing earthquake hazards in Oregon and Washington—An introduction to the five components necessary for effective hazard reduction.

Kollman, Auriel; Zollweg, J. E., 1982, Oregon seismicity—August 1980 to October 1982.

Kollman, Auriel; Zollweg, J. E., 1985, Oregon Cascades earthquake catalog—August 1, 1980–October 31, 1982 [abstract].

Langston, C. A., 1977, Corvallis, Oregon, crustal and upper mantle receive structure from teleseismic P and S waves.

Ludwin, R. S., 1989, Earthquake occurrence and hazards in Washington and Oregon.

Ludwin, R. S.; Malone, S. D.; Crosson, R. S.; Qamar, A. I., 1991, Washington earthquakes, 1985.

Ludwin, R. S.; Qamar, A. I., 1991, Reevaluation of the 19th century Washington and Oregon earthquake catalog using original accounts—The moderate sized earthquake of May 1, 1882 [abstract].

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Madin, I. P., 1989, Evaluating earthquake hazards in Oregon.

Madin, I. P., 1989, Evaluating earthquake hazards in the Portland, Oregon, metropolitan area—Mapping potentially hazardous soils.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon—Text and map explanation.

Maley, Richard, 1986, Strong motion accelerograph stations in Oregon and Washington (April 1986).

May, P. J., 1988, Considering earthquake risk reduction policies and practices.

May, P. J., 1989, Earthquake risk reduction policies and practices within the Puget Sound/Portland areas.

May, P. J., 1990, Earthquake risk reduction prospects—Puget Sound–Portland assessment.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Anticipating earthquakes—Risk reduction policies and practices in the Puget Sound and Portland areas.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Earthquake risk reduction profiles—Local policies and practices in the Puget Sound and Portland areas.

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Murphy, T. M.; Niem, A. R., 1982, Tectonic and paleoenvironmental significance and magnetic-geochemical stratigraphy of the Columbia River basalt at the middle Miocene shoreline, northwestern Oregon Coast Range [abstract].

Murray, Joseph, 1989, Oregon report.

Nabelek, J. L.; Werner, K. S.; Yeats, R. S.; Malone, S. D., 1990, The August, 1990, Woodburn, Oregon earthquake sequence—Constraints from broadband regional recording and geological implications [abstract].

National Science Foundation; and others, sponsors, 1984, Seismic hazards and mitigation strategies for older and historic unreinforced masonry buildings in small towns in Oregon and Washington; Conference proceedings, Nov. 8 and 9, 1984, Seattle.

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Neumann, Frank, 1959, Seismological aspects of the earthquake engineering problem.

Newton, V. C., Jr.; Peterson, N. V., 1973, Geologic criteria for siting nuclear power plants in Oregon.

Noson, L. L., 1988, Objectives of the workshop.

Olsen, B. C., 1988, Inventory technique development—Puget Sound/Oregon.*

Packard, E. L., 1947, Status of seismology in Oregon [abstract].

Palmer, S. P., 1991, Western Oregon seismic hazards workshop.

Palmer, S. P., 1991, Workshop on Oregon earthquake source zones.

Perbix, T. W., 1988, Evaluation of earthquake hazard and risk in the Puget Sound and Portland areas.

Peterson, C. D., 1989, Megathrust and upper-plate paleoseismicity of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Qamar, A. I., 1988, The effect of local geology on earthquake intensity in the Seattle to Portland region of Washington and northern Oregon.

Qamar, A. I., 1990, Earthquakes in Washington and Oregon 1980-89—A decade of discovery.

Qamar, A. I.; Ludwin, R. S., 1991, Earthquake intensities.

Rasmussen, J. R., 1989, The seismic P-wave velocity structure of the upper mantle beneath Washington and western Oregon.

Rasmussen, J. R.; Humphreys, E. D., 1990, Tomographic image of the upper mantle P-wave velocity structure beneath Washington and western Oregon [abstract].*

Rinehart, V. J., 1964, Investigation of twelve earthquakes off the Oregon and northern California coasts.

Rite, Alan; Iyer, H. M., 1981, July 1980 Mt. Hood earthquake swarm.

Rite, Alan; Iyer, H. M., 1981, Oregon seismicity—1981 [abstract].

Rite, Alan; Iyer, H. M.; Rojas, V., 1980, July 1980 Mount Hood earthquake swarm [abstract].

Rogers, G. C., compiler, 1979, Seismicity to the end of 1977.

Shedlock, K. M.; Weaver, C. S., 1991, Program for earthquake hazards assessment in the Pacific Northwest.

Sirles, P. C., 1988, Shear wave velocity measurements in embankment dams.

Smith, W. D., 1950, Faults and earthquake possibilities in Oregon [abstract].

Sokolowski, T. J.; Fuller, G. W.; Blackford, M. E.; Jorgensen, W. J., 1983, The Alaska Tsunami Warning Center's automatic earthquake processing system.

Somerville, P. G., 1989, Strong ground motion attenuation in the Puget Sound–Portland region.

Somerville, P. G.; Cohee, B. P., 1990, Simulation and empirical studies of ground motion attenuation in the Seattle–Portland region.*

Somerville, P. G.; Cohee, B. P.; Sen, M. K., 1989, Estimates of strong ground motions in the Seattle–Portland region from hypothesized magnitude 8 Cascadia subduction earthquakes.

Steele, Chuck, 1988, Overview of emergency management planning and response planning.

Stover, C. W.; Brewer, L. R., 1991, United States earthquakes, 1985.

Thorsen, G. W., 1988, Overview of earthquake-induced water waves in Washington and Oregon.

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

University of Washington Geophysics Program, 1988-1991, Quarterly network report...on seismicity of Washington and northern Oregon.*

Von Hake, C. A., 1976, Earthquake history of Oregon.

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao; Ballantyne, D. B.; Elliott, W. M., 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Weaver, C. S., 1991, Geothermal seismotectonic studies.*

Weaver, C. S.; Baker, G. E., 1988, Geometry of the Juan de Fuca plate beneath Washington and northern Oregon from seismicity.

Weaver, C. S.; Green, S. M.; Iyer, H. M., 1982, Seismicity of Mount Hood and structure as determined from teleseismic P wave delay studies.*

Werner, K. S.; Nabelek, J. L.; Yeats, R. S.; Malone, S. D., 1990, The Mt. Angel fault—Implications of August, 1990, Woodburn, Oregon earthquake sequence [abstract].

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

West, D. O., 1989, Coastal terraces and subduction earthquakes.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Preliminary assessment of potential strong earthquake ground shaking in the Portland, Oregon, metropolitan area.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Site-specific earthquake strong ground motion studies in the Puget Sound and Portland, Oregon metropolitan areas.

Woodward, John; White, James; Cummings, Ronald, 1990, Paleoseismicity and the archaeological record—Areas of investigation on the northern Oregon coast.

Yeats, R. S., 1989, Current assessment of earthquake hazard in Oregon.

Yeats, R. S., 1989, The search for large earthquakes in Oregon [abstract].

Yeats, R. S., 1990, A search for active faults in the Willamette Valley, Oregon.

Yelin, T. S.; Patton, H. J., 1991, Seismotectonics of the Portland, Oregon, region.*

Youd, T. L.; Madin, I. P., 1991, Liquefaction hazard mapping for the Portland, Oregon region.

Youngs, R. R.; Coppersmith, K. J., 1989, Attenuation relationships for evaluation of seismic hazards from large subduction zone earthquakes.

EARTHQUAKES AND SEISMOLOGY – PALEOSEISMOLOGY AND EARTHQUAKE EVIDENCE

Adams, John, 1989, Turbidites off the Oregon–Washington margin record paleoearthquakes on the Cascadia subduction zone.*

Adams, John, 1990, Paleoseismicity of the Cascadia subduction zone—Evidence from turbidites off the Oregon–Washington margin.*

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].

Atwater, B. F., 1988, Evidence for great Holocene earthquakes along the outer coast of Washington State.

Atwater, B. F., 1988, Probable local precedent for earthquakes of magnitude 8 or 9 in the Pacific Northwest.

Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.

Atwater, B. F., 1990, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1990, Holocene paleoseismology of coastal Washington State.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Atwater, B. F.; Yamaguchi, D. K., 1990, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State [abstract].

Bobrowsky, P. T.; Clague, J. J., 1990, Neotectonic investigations on western Vancouver Island, British Columbia.

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Broster, B. E., 1983, Glaciotectonics as applied to earthquake engineering; A case study at Hat Creek, British Columbia [abstract].

Bucknam, R. C., 1990, Puget Sound paleoseismicity.*

Burke, R. M.; Carver, G. A., 1987, Soil development used as an indicator of fault scarp age and interseismic time, northwest California [abstract].

Burke, R. M.; Carver, G. A., 1989, The degree of soil development from buried soils formed in fault-generated colluviums reflect interseismic time, northern California [abstract].

Carver, G. A., 1988, Seismic potential of the Gorda segment of the Cascadia subduction zone [abstract].

Carver, G. A., 1989, Paleoseismicity of the southern part of the Cascadia subduction zone [abstract].

Carver, G. A., 1991, Active subduction tectonics north of the Mendocino triple junction, northwestern California [abstract].*

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Pleistocene and Holocene paleoseismicity of Little Salmon and Mad River thrust systems, N.W. California—Implications to the seismic potential of the Cascadia subduction zone [abstract].

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Clague, J. J.; Lichti-Federovich, S.; Guilbault, J.-P.; Mathewes, R. W., 1990, Holocene sea level change, southcoastal British Columbia.

Clague, J. J.; Shilts, W. W., 1989, Evidence of paleoseismicity obtained by subbottom acoustic profiling of lakes [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1991, Tectonics and late Holocene paleoseismicity of the southern Cascadia subduction zone, northwestern California continental margin [abstract].

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1991, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.*

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C., 1989, More evidence from tidal-marsh stratigraphy for multiple late Holocene subduction earthquakes along the northern Oregon coast [abstract].

Grant, W. C.; McLaren, D. D., 1987, Evidence for Holocene subduction earthquakes along the northern Oregon coast [abstract].

Heaton, T. H., 1990, Cascadia subduction zone—The calm before the quake?

Hemphill-Haley, Eileen, 1989, Investigation into the use of estuarine microfossil zones for determining amounts of coseismic subsidence in southwestern Washington [abstract].

Jacoby, G. C.; Sheppard, P. R.; Carver, G. A., 1989, Dating of earthquake-induced landslides using tree-ring analysis [abstract].

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Kelsey, H. M.; Carver, G. A., 1986, Studies of Quaternary faulting through the analysis of small faults and fractures, north coastal California.

Lajoie, K. R., 1986, Rapid tectonic uplift near the Mendocino triple junction recorded by emergent marine strandlines [abstract].

Luternauer, J. L., 1990, 1990 field activities and accomplishments, Fraser River delta, British Columbia.*

McCrory, P. A., 1990, Active margin tectonics, Pacific Northwest region.*

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Minor, Rick, 1989, The late Holocene earthquake hypothesis—Implications for southern northwest coast prehistory [abstract].

Monastersky, Richard, 1990, Rattling the Northwest—Signs of prehistoric superquakes may portend a future shock.

Murphy, T. M.; Niem, A. R., 1982, Tectonic and paleoenvironmental significance and magnetic-geochemical stratigraphy of the Columbia River basalt at the middle Miocene shoreline, northwestern Oregon Coast Range [abstract].

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Peterson, C. D., 1989, Megathrust and upper-plate paleoseismicity of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Shivelle, C. D.; Carver, G. A.; Valentine, D. W., 1991, Foraminiferid stratigraphy as evidence for great earthquakes on the Cascadia subduction zone in northern California [abstract].*

Vick, G. S.; Carver, G. A., 1988, Late Holocene paleoseismicity, northern Humboldt Bay, California [abstract].

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

West, D. O., 1989, Coastal terraces and subduction earthquakes.

West, D. O.; McCrumb, D. R.; Kiel, W. A., 1987, Geomorphology, convergent margins and earthquakes.

Woodward, John; White, James; Cummings, Ronald, 1990, Paleoseismicity and the archaeological record—Areas of investigation on the northern Oregon coast.

EARTHQUAKES AND SEISMOLOGY – PLANNING AND POLICY

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Association of Professional Engineers of BC, 1988, Seismic risk in British Columbia—1988 brief to the BC government.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Ballantyne, D. B., 1990, Earthquake loss estimation of the City of Everett lifelines.*

Boyer, Jim, 1990, Lifeline panel #2.

Burton, J. H., 1989, Disaster risk analysis and business resumption plan by a Washington state governmental agency.

Dusseau, R. A., 1990, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Foster, H. D.; Carey, R. F., 1976, The simulation of earthquake damage.

Gardner, Booth, 1990, State and local government panel—Introductory remarks.

Gardner, Booth; Adams, Brock; Gorton, Slade, chairmen, 1990, Earthquake in Washington—Are we ready?

Gronbeck-Jones, David, 1989, British Columbia report.

Hays, W. W., editor, 1988, Workshop on "Evaluation of earthquake hazards and risk in the Puget Sound and Portland areas"; Proceedings of conference XLII.

Hays, W. W., 1989, Preface.

Hays, W. W., editor; Huey, Linda, compiler, 1989, Proceedings of Conference XLVIII, 3rd annual workshop on "Earthquake hazards in the Puget Sound, Portland area".

Heimbach, Kate, 1990, State and local government panel.

Henderson, Don, 1990, Lifeline panel #3.

Kockelman, W. J., 1989, Reducing earthquake hazards in Oregon and Washington—An introduction to the five components necessary for effective hazard reduction.

Kockelman, W. J.; Gori, P. L.; Hays, W. W., 1988, Summary and background.

Lasmanis, Raymond, 1990, Earthquake sources and shaking effects in Washington.

Lasmanis, Raymond, 1991, Seismic Safety Advisory Committee.

Lasmanis, Raymond; Walsh, T. J., 1989, National geologic hazards program update.

Lofstedt, Jon, 1990, Lifeline panel #2.

Logan, R. L.; Palmer, S. P., 1989, 1989 earthquake workshop.*

Lokey, William, 1990, State and local government panel.

MacLeod, Bob, 1990, Lifeline panel #1.

Madin, I. P., 1989, Evaluating earthquake hazards in Oregon.

May, P. J., 1988, Considering earthquake risk reduction policies and practices.

May, P. J., 1989, Earthquake risk reduction policies and practices within the Puget Sound/Portland areas.

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Anticipating earthquakes—Risk reduction policies and practices in the Puget Sound and Portland areas.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Earthquake risk reduction profiles—Local policies and practices in the Puget Sound and Portland areas.

May, P. J.; Noson, L. L., 1986, Reducing earthquake risks—Seismic safety policy.

Mead, P. C., 1990, State and local government panel.

Medak, Alan, 1990, Lifeline panel #3.

Meek, C. D., 1989, Proceedings of the XII annual meeting of the Western States Seismic Policy Council, November 6-9, 1989, Boise, Idaho.

Michaels, Sarah, 1988, Evaluation of the workshop.

Murray, Joseph, 1989, Oregon report.

Nelson, Fred, 1990, Lifeline panel #3.

Noson, L. L., 1988, Objectives of the workshop.

Palmer, S. P., 1991, Western Oregon seismic hazards workshop.

Pringle, P. T.; Palmer, S. P.; Logan, R. L., 1990, Highlights of the fourth annual NEHRP workshop for Puget Sound and Portland areas.

Rainer, J. H.; Jablonski, A. M.; Law, K. T.; Allen, D. E., 1990, The San Francisco area earthquake of 1989 and implications for the Greater Vancouver area.

Riniker, A. B., 1990, Lifeline panel #1.

Schlattman, Ronald, 1990, Lifeline panel #3.

Schmidt, Marti, 1990, Lifeline panel #2.

Shedlock, K. M.; Weaver, C. S., 1989, Rationale and outline of a program for earthquake hazards assessment in the Pacific Northwest.

Shedlock, K. M.; Weaver, C. S., 1991, Program for earthquake hazards assessment in the Pacific Northwest.

Tarr, A. C., 1988, Application of geographic information system technology to urban seismic hazards studies in the Pacific Northwest.

Toliver, Paul, 1990, Lifeline panel #1.

Tsiatas, G. E.; Kornher, Karen; Ho, C. L., 1990, Development of seismic guidelines for the Pacific Northwest.

U.S. Army Corps of Engineers, 1983, Madigan Army Medical Center, Ft. Lewis, Washington—Geotechnical report, with supplement added.

Vandehey, Del, 1990, Lifeline panel #1.

Weaver, C. S., 1990, Earthquake sources and shaking effects in Washington.

Williams, Ray, 1990, FEMA and the National Earthquake Hazard Reduction Program.

Wuorinen, Vilho, 1976, Seismic microzonation of Victoria, a social response to risk.

EARTHQUAKES AND SEISMOLOGY – PLANNING AND POLICY – EMERGENCY RESPONSE

Bolton, P. A., 1989, Post-disaster emergency response issues in urban settings.

Noson, L. L.; Martens, Carole, 1987, Washington State school earthquake emergency planning.

Olmstead, B. L., 1988, Emergency operations center computerization and public awareness programs.

Scawthorn, Charles, 1990, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.

Scawthorn, Charles; Preuss, Jane, 1989, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.

Steele, Chuck, 1988, Overview of emergency management planning and response planning.

EARTHQUAKES AND SEISMOLOGY – PLANNING AND POLICY – PREPAREDNESS

Bolton, P. A., 1986, Earthquake awareness, preparedness and mitigation.

Lasmanis, Raymond, 1990, Earthquake preparedness in Washington.

Martens, Carole, 1988, Earthquake Preparedness Program under development.

Martens, Carole, 1988, New education, awareness, and preparedness programs—An overview.

Martens, Carole, 1989, Earthquake mitigation—The Washington school safety program.

Martens, Carole, 1989, Reacting to earthquake hazard information—State level.

Martens, Carole, 1989, Washington report.

Martens, Carole, 1989, Washington state schools program.

McLerran, Dennis, 1990, City of Seattle's earthquake preparedness plan.

Rice, Norm, 1990, City of Seattle's earthquake preparedness plan.

Washington Department of Community Development, 1991, Earthquake preparedness.

Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

EARTHQUAKES AND SEISMOLOGY – TOMOGRAPHY

see also TOMOGRAPHY

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Hearn, Thomas; Beghoul, Noureddine; Barazangi, Muawia, 1991, Tomography of the western United States from regional arrival times.

Lees, J. M., 1989, Seismic tomography in western Washington.

Lees, J. M., 1990, Comparison of local tomographic P-wave velocity variations in California and Washington—Can we image fault asperities? [abstract].

Lees, J. M.; Crosson, R. S., 1989, Bayesian ART versus conjugate gradient tomographic imaging in application to delay times from local earthquakes in western Washington [abstract].*

Lees, J. M.; Crosson, R. S., 1990, Tomographic imaging of local earthquake delay times for three-dimensional velocity variation in western Washington.*

Rasmussen, J. R., 1989, The seismic P-wave velocity structure of the upper mantle beneath Washington and western Oregon.

Rasmussen, J. R.; Humphreys, E. D., 1990, Tomographic image of the upper mantle P-wave velocity structure beneath Washington and western Oregon [abstract].*

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

EARTHQUAKES AND SEISMOLOGY – WASHINGTON [REGIONAL WORKS]

Algermissen, S. T.; Stepp, J. C.; Rinehart, W. A.; Arnold, E. P., 1969, Studies in seismicity and earthquake damage statistics, 1969—Appendix B.

Anglin, F. M.; Wetmiller, R. J.; Horner, R. B.; Rogers, G. C.; Drysdale, J. A., 1990, Seismicity map of Canada.*

Boyle, B. J., 1990, Welcome address.

Brown, D.; Li, Quin; Nyland, E.; Weichert, D. H., 1989, Premonitory seismicity patterns near Vancouver Island, Canada.

Cohee, B. P., 1991, Attenuation of vertical S-wave amplitude from Wadati–Benioff earthquakes in Washington.

Crosson, R. S., 1990, Regional seismicity and tectonics [abstract].

Crosson, R. S.; Ludwin, R. S., 1989, Regional seismic monitoring in western Washington.

Crosson, R. S.; Malone, S. D., 1988, Regional seismic monitoring in western Washington.*

Crosson, R. S.; Malone, S. D.; Ludwin, R. S., 1989, Regional seismic monitoring in western Washington.

Dragert, Herb; Rogers, G. C., 1988, Could a megathrust earthquake strike southwestern British Columbia?

Dragert, Herb; Rogers, G. C., 1988, The current potential for major earthquakes in southwest British Columbia [abstract].

Drysdale, J. A.; Lamontagne, Maurice; Horner, R. B., 1989, Canadian earthquakes, January 1987 to September 1988.

Elliott, W. M., 1988, The need to mitigate earthquake hazards to lifelines.

Finn, Carol; Weaver, C. S.; Stanley, W. D., 1989, Relation of earthquakes and aeromagnetic anomalies to crustal structure in western Washington [abstract].

Gardner, Booth; Adams, Brock; Gorton, Slade, chairmen, 1990, Earthquake in Washington—Are we ready?

Havskov, Jens; Malone, S. D.; McClurg, D. C.; Crosson, R. S., 1989, Coda Q for the State of Washington.*

Landes, Henry; Glover, S. L., 1991, Seismicity in Washington—A 1925 perspective [letter].

Logan, R. L.; Palmer, S. P., 1989, 1989 earthquake workshop.*

Ludwin, R. S., 1989, Earthquake occurrence and hazards in Washington and Oregon.

Ma, Li, 1988, Regional tectonic stress in western Washington from focal mechanisms of crustal and subcrustal earthquakes.

Madole, R. F.; Schuster, R. L.; Chleborad, A. F., 1988, Earthquake-induced landslides and liquefaction in western Washington.*

Martens, Carole, 1989, Washington state schools program.

McCrumb, D. R.; Galster, R. W.; Crosson, R. S.; Ludwin, R. S.; West, D. O.; Hancock, W. E.; Mann, L. V., 1989, Tectonics, seismicity, and engineering seismology in Washington.

Milne, W. G., 1963, Seismicity of western Canada.

Nance, J. J., 1988, On shaky ground.

Neumann, Frank, 1959, Seismological aspects of the earthquake engineering problem.

Noson, L. L.; Qamar, A. I.; Thorsen, G. W., 1988, Washington state earthquake hazards.

Palmer, S. P., 1991, Modified Mercalli intensity VI and greater earthquakes in Washington State, 1928-1990.

Palmer, S. P., 1991, Workshop on Oregon earthquake source zones.

Pringle, P. T.; Palmer, S. P.; Logan, R. L., 1990, Highlights of the fourth annual NEHRP workshop for Puget Sound and Portland areas.

Qamar, A. I., 1990, Earthquakes in Washington and Oregon 1980-89—A decade of discovery.

Qamar, A. I.; Ludwin, R. S., 1990, Earthquake intensities.

Rieken, E. R.; Thiessen, R. L., 1990, SEISPLN analysis of the Juan de Fuca plate beneath western Washington [abstract].

Rogers, G. C.; Dragert, Herb, 1989, The current potential for major earthquakes in southwest British Columbia [abstract].

Rogers, G. C.; Riddihough, R. P., 1979, Earthquake studies on Canada's west coast—Pacific Geoscience Centre.

Savage, J. C.; Lisowski, Michael, 1988, Geodetic deformation measured in Washington and British Columbia.

Thiessen, R. L.; Rieken, E. R., 1991, Integration of seismic foci, digital topography, and lineaments to define three-dimensional crustal fractures in western Washington [abstract].

Thorsen, G. W., 1988, Overview of earthquake-induced water waves in Washington and Oregon.

VanDecar, J. C.; Crosson, R. S., 1987, Automated determination of teleseismic relative phase arrival times using multichannel cross-correlation and least squares [abstract].

Walsh, T. J., 1989, An overview of earthquake studies at the Washington Division of Geology and Earth Resources.

Walsh, T. J.; Madin, I. P.; Noson, L. L.; Yelin, T. S., 1990, Proceedings of Conference LX, 4th annual workshop on "Earthquake hazards in the Puget Sound and Portland areas".

Walsh, T. J.; Palmer, S. P., 1990, Washington Division of Geology and Earth Resources earthquake hazard reduction program.

Weaver, C. S.; Baker, G. E., 1988, Geometry of the Juan de Fuca plate beneath Washington and northern Oregon from seismicity.

Zoback, M. L., 1990, Intraplate stress and deformation.

EARTHQUAKES AND SEISMOLOGY – WASHINGTON – CASCADE RANGE

Bodle, T. R.; Qamar, A. I., 1989, Local variations of intensity for earthquakes in the Puget Sound region [abstract].

Bor, S.-S., 1977, Scaling for seismic source spectra and energy attenuation in the Chelan region, eastern Washington.

Bor, S.-S.; Malone, S. D.; Smith, S. W., 1978, A spectral ratio technique for estimating the characteristics of seismic attenuation for eastern Washington [abstract].

Clayton, G. A.; Zollweg, J. E., 1987, Tertiary–Quaternary faults and the 1981 magnitude 5 earthquake in the Goat Rocks Wilderness, south-central Cascade Range, Washington [abstract].

Ferrick, M. G.; Qamar, A. I.; St. Lawrence, W. F., 1982, Source mechanism of volcanic tremor.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation—Catalog of historical seismicity, northern Cascade mountains geomorphic province.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation of the northern Cascade mountains geomorphic province for Bumping Lake, Tieton, Keechelus, Kachess, Cle Elum, and Clear Lake dams.

Geomatrix Consultants, Inc., 1989, Seismotectonic evaluation—Northwest Rocky Mountains–Okanogan Uplands geomorphic province; Final report.

Malone, S. D.; Qamar, A. I.; Jonientz-Trisler, Chris, 1991, Recent seismicity studies at Mount Rainier, Washington [abstract].*

Person, W. J., 1981, Earthquakes, May-June 1981.

Qamar, A. I.; Zollweg, J. E., 1990, The 1990 Deming, Washington earthquakes—A sequence of shallow thrust earthquakes in the Pacific Northwest [abstract].

Shannon and Wilson, Inc., 1981, Seven geotechnical reports, South Fork Tolt River dam—Report 2, Seismicity study, South Fork Tolt River dam.

Thompson, K. I.; Qamar, A. I., 1989, The seismicity of Mount Rainier, Washington [abstract].

Weaver, C. S., 1989, Seismicity of the Cascade Range and adjacent areas.

Weaver, C. S., 1989, What controls the segmentation of the Cascade volcanic arc? [abstract].

Weaver, C. S., 1991, Geothermal seismotectonic studies.*

Weaver, C. S.; Norris, R. D.; Jonientz-Trisler, Chris, 1990, Results of seismological monitoring in the Cascade Range, 1962-1989—Earthquakes, eruptions, avalanches and other curiosities.*

Wen, Y.-K., 1983, Seismic risk and cost benefit analysis of the spillway tower, Tolt River dam safety improvement project.

Zollweg, J. E.; Johnson, P. A., 1989, The Darrington seismic zone of northwestern Washington.

EARTHQUAKES AND SEISMOLOGY – WASHINGTON – OFFSHORE AREAS

Delaney, J. R.; McDuff, R. E.; Robigou, V.; Schultz, Adam; Smith, M.; Wells, J.; Atnipp, V. A.; McClain, J. S., 1990, Covariation in microseismicity and hydrothermal output in the Endeavour vent field [abstract].

Fondrk, Joseph; McClain, J. S., 1989, Observations of microseismicity related to hydrothermal vents on the Juan de Fuca Ridge [abstract].

Hyndman, R. D.; Weichert, D. H., 1986, Seismicity and rates of relative motion on the transform faults of the Juan de Fuca Ridge system [abstract].

McClain, J. S.; Fondrk, Joseph, 1989, The nature of seismicity beneath the hydrothermal field of the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Fondrk, Joseph; Wright, M. A., 1991, Seismic events from an active hydrothermal/volcanic region, the Endeavour Segment of the Juan de Fuca Ridge [abstract].*

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1988, The seismicity beneath a hydrothermal vent field on the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1990, Microseismicity beneath hydrothermal vent fields—Comparisons of locations and times [abstract].

Walker, D. A.; Hammond, S. R., 1990, Spatial and temporal distributions of T-phase source locations on the Juan de Fuca and Gorda Ridges [abstract].

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

EARTHQUAKES AND SEISMOLOGY – WASHINGTON – OLYMPIC PENINSULA

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Kerr, R. A., 1991, Big squeeze points to a big quake.

Savage, J. C.; Lisowski, Michael, 1991, Strain measurements and the potential for a great subduction earthquake off the coast of Washington.*

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

EARTHQUAKES AND SEISMOLOGY – WASHINGTON – PACIFIC COAST

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].*

Atwater, B. F., 1988, Evidence for great Holocene earthquakes along the outer coast of Washington State.

Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.

Atwater, B. F., 1990, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.*

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.*

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Bourgeois, Joanne; Reinhart, M. A., 1988, Potentially damaging waves associated with earthquakes, coastal Washington.

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

Coppersmith, K. J.; Youngs, R. R., 1990, Probabilistic seismic-hazard analysis using expert opinion—An example from the Pacific Northwest.

Day, S. M.; Stevens, J. L.; Barker, T. G., 1988, Ground motion simulations for thrust earthquakes beneath western Washington; Final report.

Heaton, T. H.; Snavely, P. D., Jr., 1985, repr. 1988, Possible tsunami along the northwestern coast of the United States inferred from Indian traditions.

Hebenstreit, G. T., 1988, Projecting the risk from a tsunami generated in the Juan de Fuca region.

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Hemphill-Haley, Eileen, 1989, Investigation into the use of estuarine microfossil zones for determining amounts of coseismic subsidence in southwestern Washington [abstract].

Kearnes, J. K., 1976, An evaluation of a method of microzonation by microseismic amplification spectra.

Manfrida, J. L., 1977, Soil amplification studies using explosion impulse.

McCrory, P. A., 1991, Active margin tectonics, Pacific Northwest region.*

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Minor, Rick, 1989, The late Holocene earthquake hypothesis—Implications for southern northwest coast prehistory [abstract].

Preuss, Jane, 1988, Coastal effects of a great subduction earthquake—Regional land use implications.

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Sherif, M. A.; Ishibashi, Isao; Kearnes, J. K., 1976, Microzonation by amplification ratio technique.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

West, D. O., 1989, Coastal terraces and subduction earthquakes.

West, D. O.; McCrumb, D. R.; Kiel, W. A., 1987, Geomorphology, convergent margins and earthquakes.

EARTHQUAKES AND SEISMOLOGY – WASHINGTON – PUGET LOWLAND

Adair, M. J.; Talmage, R. H.; Crosby, T. W.; Testa, S. M., 1989, Geology and seismicity of the Skagit Nuclear Power Plant site.

Algermissen, S. T., 1988, Estimation of ground shaking in the Pacific Northwest.

Algermissen, S. T., 1990, Regional and national seismic hazard and risk assessment.*

Algermissen, S. T.; Leyendecker, E. V., 1988, Estimation of earthquake losses in the Puget Sound area.

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.*

Atkinson, G. M.; Charlwood, R. G., 1983, Uncertainties in probabilistic seismic hazard assessment as a function of probability level—A case history for Vancouver, British Columbia.

Baier, T. L., 1990, Spatial analysis of the public's attitudes and behaviors toward the earthquake hazard in Tacoma and Puyallup, Washington.

Baker, G. E., 1986, Source parameters of the magnitude 7.1, 1949, south Puget Sound, Washington earthquake determined from long-period body waves.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Ballantyne, D. B., 1990, Earthquake loss estimation of the City of Everett lifelines.*

Barksdale, J. D.; Coombs, H. A.; Bradford, D. C., 1940, Puget Sound earthquake of November 12, 1939 [abstract].

Berg, A. W., 1989, Formation of Mima mounds—A seismic hypothesis.*

Bodle, T. R., 1990, The relation of earthquake intensity to surface geology and elevation in western Washington State.

Bodle, T. R.; Qamar, A. I., 1989, Local variations of intensity for earthquakes in the Puget Sound region [abstract].

Bolton, P. A., 1989, Post-disaster emergency response issues in urban settings.

Booth, D. B., 1988, Land-use planning in the mitigation of seismic hazards.

Bucknam, R. C., 1988, Characteristics of active faults.

Bucknam, R. C., 1991, Puget Sound paleoseismicity.*

Bucknam, R. C.; Barnhard, T. P., 1990, Evidence of sudden late Holocene uplift in the central Puget Lowland, Washington [abstract].

Celebi, Mehmet, 1991, Instrumentation of structures.*

Chan, W. W., 1988, Network and array analysis of Puget Sound earthquake 1962-1969.

Chan, W. W.; Cessaro, R. K., 1988, Network and array analysis of Puget Sound earthquake 1962-1969.

Cheng, W.-L., 1980, Effects of soil properties on liquefaction potential during earthquakes.

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Chleborad, A. F.; Schuster, R. L., 1989, Characteristics of slope failures induced by the April 13, 1949, and April 29, 1965, Puget Sound area, Washington, earthquakes.

Chleborad, A. F.; Schuster, R. L., 1990, Ground failure associated with the Puget Sound region earthquakes of April 13, 1949, and April 29, 1965.

Cohee, B. P.; Somerville, P. G.; Sen, M. K., 1989, Strong ground motions in the Seattle–Portland region from hypothesized M_w=8 subduction earthquake [abstract].

Converse Ward Davis Dixon, Inc., 1980, Report on earthquake motions for reservoir seismic stability analyses, Seattle, Washington.

Cornforth, D. H., 1990, Earthquake-induced landslides.

Cox, G. W., 1990, Comment and reply on "Formation of Mima mounds—A seismic hypothesis"; Comment.

Crosson, R. S., 1988, Seismic hazard from intraplate earthquakes in the Puget Sound region.

Crosson, R. S., 1989, Seismicity of Puget Sound and southern British Columbia.

Crosson, R. S.; Owens, T. J., 1989, Testing the arch model for slab geometry of the Cascadia Subduction zone in the vicinity of Puget Sound, Washington [abstract].

Crouse, C. B.; Huang, M.-J.; Shakal, A. F., 1989, Additional processed accelerogram data recorded during the 1965 Puget Sound, Washington earthquake [abstract].

Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Fajfar, Peter; Vidic, Tomaz; Fischinger, Matej, 1990, A measure of earthquake motion capacity to damage medium--period structures.

Finn, W. D. L.; Woeller, D. J.; Davies, M. P.; Lutemauer, J. L.; Hunter, J. A.; Pullan, S. E., 1989, New approaches for assessing liquefaction potential of the Fraser River delta, British Columbia.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Grant, W. P., 1988, Evaluation of liquefaction potential, Seattle, WA.

Grant, W. P., 1989, Liquefaction hazards in the Pacific Northwest.

Hays, W. W., editor, 1988, Workshop on "Evaluation of earthquake hazards and risk in the Puget Sound and Portland areas"; Proceedings of conference XLII.

Hays, W. W., 1989, Preface.

Hays, W. W., editor; Huey, Linda, compiler, 1989, Proceedings of Conference XLVIII, 3rd annual workshop on "Earthquake hazards in the Puget Sound, Portland area".

Hecht, Jeff, 1990, Earthquakes leave loose material all shook up.

Ho, C. L.; Kornher, Karen; Tsiatas, G. E., 1991, Ground motion model for Puget Sound cohesionless soil sites.

Hopper, M. G., 1988, Effects of past earthquakes in the Puget Sound area.

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.*

King, K. W., 1990, Urban hazards seismic field investigations.*

King, K. W., 1991, Investigation of seismic wave propagation for determination of crustal structure.

King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.*

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1988, Geophysical studies in support of seismic hazards assessment of Seattle and Olympia, Washington.

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1990, Seismic ground-response studies in Olympia, Washington, and vicinity.

Laane, J. L.; Chen, W.-P.; Grimson, N. L.; Yu, Nan, 1986, The Makran earthquake of April, 1983—A possible analogue to the Puget Sound event of 1965 [abstract].

Langston, C. A., 1986, Effect of lateral heterogeneities on strong ground motion.

Langston, C. A.; Baker, G. E., 1986, Source parameter constraints from strong ground motions of the April 13, 1949, Puget Sound earthquake.

Lees, J. M., 1990, Comparison of local tomographic P-wave velocity variations in California and Washington—Can we image fault asperities? [abstract].

Liu, T.-K., 1980, A spectral density and response spectra analysis of some earthquake records.

Lokey, William, 1988, Earthquake safety programs in the schools—One jurisdiction's experience.

Lutemauer, J. L., 1990, 1989 field activities and accomplishments of geophysical and geotechnical land-based operations and marine/fluvial surveys, Fraser River delta, British Columbia.

Malone, S. D.; Qamar, A. I.; Jonientz-Trisler, Chris, 1991, Recent seismicity studies at Mount Rainier, Washington [abstract].*

Marks, Clifford, 1991, Seismic hazard reduction planning process to develop policies and programs for the City of Seattle.

May, P. J., 1989, Earthquake risk reduction policies and practices within the Puget Sound/Portland areas.

May, P. J., 1990, Earthquake risk reduction prospects—Puget Sound–Portland assessment.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Anticipating earthquakes—Risk reduction policies and practices in the Puget Sound and Portland areas.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Earthquake risk reduction profiles—Local policies and practices in the Puget Sound and Portland areas.

McLerran, Dennis, 1990, City of Seattle's earthquake preparedness plan.

Medak, Alan, 1990, Lifeline panel #3.

Noson, L. L., 1988, Objectives of the workshop.

Olsen, B. C., 1988, Inventory technique development—Puget Sound/Oregon.*

Olsen, B. C.; Grant, W. P.; Celebi, Mehmet, compilers, 1989, Report on list of structures recommended for seismic instrumentation in the Puget Sound area, Washington, by the U.S. Geological Survey Puget Sound Region Instrumentation Advisory Committee.

Palmer, S. P., 1989, Liquefaction of soils.

Palmer, S. P., 1990, Geotechnical analysis of liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes.

Palmer, S. P.; Shulene, J. A., 1990, Liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes [abstract].

Perbix, T. W., 1988, Evaluation of earthquake hazard and risk in the Puget Sound and Portland areas.

Perbix, T. W., 1990, Introduction to a seismic retrofit of older buildings [abstract].

Perbix, T. W., 1990, Seismic retrofit of Union Station.

Perbix, T. W.; Burke, P., 1989, Toward a philosophy for seismic retrofit—The Seattle experience.

Perkins, W. J.; Grant, W. P.; Youd, T. L., 1990, Liquefaction susceptibility maps for the Seattle North and South, Washington quadrangles [abstract].

Person, W. J., 1981, Earthquakes, May-June 1981.

Pringle, P. T.; Palmer, S. P.; Logan, R. L., 1990, Highlights of the fourth annual NEHRP workshop for Puget Sound and Portland areas.

Puget Sound Power and Light Company, 1977, Preliminary safety analysis report, Skagit Nuclear Power Project, Amendment no. 19.

Qamar, A. I., 1988, The effect of local geology on earthquake intensity in the Seattle to Portland region of Washington and northern Oregon.

Qamar, A. I.; Bodle, T. R., 1989, Using earthquake intensities to determine ground response in the Puget Sound region.

Qamar, A. I.; Zollweg, J. E., 1990, The 1990 Deming, Washington earthquakes—A sequence of shallow thrust earthquakes in the Pacific Northwest [abstract].

Rice, Norm, 1990, City of Seattle's earthquake preparedness plan.

Roeder, C. W., 1988, Overview of earthquake hazards reduction in Puget Sound and Portland areas through improved building practices.

Rogers, G. C., 1983, Seismotectonics of British Columbia [abstract].

Saucier, R. T., 1991, Comment and reply on "Formation of Mima mounds—A seismic hypothesis"; Comment.

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Scawthorn, Charles, 1990, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.

Scawthorn, Charles; Preuss, Jane, 1989, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.

Schuster, R. L.; Chleborad, A. F., 1988, Earthquake-induced ground failure in western Washington.

Schuster, R. L.; Chleborad, A. F., 1989, Historic earthquake-induced landslides in western Washington [abstract].

Schuster, R. L.; Chleborad, A. F., 1990, Ground failure caused by the 1949 and 1965 Puget Sound earthquakes, western Washington [abstract].

Science News, 1990, Mysterious Mima mounds—Seismic source?

Shannon and Wilson, Inc., 1981, Seven geotechnical reports, South Fork Tolt River dam—Report 2, Seismicity study, South Fork Tolt River dam.

Shulene, J. A., 1990, Evidence of liquefaction in the Puyallup valley.*

Simmons, J. D., 1973, Supplement to, Preliminary report on the geology of southern Snohomish County.

Somerville, P. G., 1988, Simulation and empirical studies of ground motion attenuation in the Seattle–Portland region.*

Somerville, P. G., 1989, Strong ground motion attenuation in the Puget Sound–Portland region.

Somerville, P. G.; Cohee, B. P., 1990, Simulation and empirical studies of ground motion attenuation in the Seattle–Portland region.*

Somerville, P. G.; Cohee, B. P.; Sen, M. K., 1989, Estimates of strong ground motions in the Seattle–Portland region from hypothesized magnitude 8 Cascadia subduction earthquakes.

Somerville, P. G.; Sen, M. K.; Wald, D. J., 1989, Strong ground motions of hypothetical earthquakes on the Cascadia plate interface [abstract].*

Steele, Chuck, 1988, Overview of emergency management planning and response planning.

Tarr, A. C.; King, K. W., 1988, U.S. Geological Survey begins seismic ground response experiments in Washington State.

Thompson, K. I.; Qamar, A. I., 1989, The seismicity of Mount Rainier, Washington [abstract].

Tinsley, J. C., 1988, Geologic factors and the regional evaluation of site response for urban seismic hazards studies.

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

Tinsley, J. C., 1989, Quaternary framework for earthquake studies, Los Angeles, California.*

Toliver, Paul, 1990, Lifeline panel #1.

Twelker, N. H., and Associates, 1966, Damages caused by earthquake of April 29, 1965—Letter report, Port of Seattle Commission, Pier 5 Terminal.

U.S. Army Corps of Engineers, 1949, Report of damage resulting from earthquake of 13 April 1949.

U.S. Army Corps of Engineers, 1983, Madigan Army Medical Center, Ft. Lewis, Washington—Geotechnical report, with supplement added.

URS/John A. Blume and Associates, 1985, Metro effluent transfer system, seismic evaluation amendment 4, task XVIII.5.

Wallace, T. C.; Lay, Thorne, 1986, Multiple ScS travel times and attenuation beneath the western United States [abstract].

Washington Surveying and Rating Bureau, compiler, 1966, Bellingham and vicinity earthquake map, showing general areas of unstable ground.

Washington Surveying and Rating Bureau, 1966, Everett and vicinity, Wn. earthquake map showing general areas of filled or unstable ground.

Washington Surveying and Rating Bureau, 1966, Seattle and vicinity, Washington earthquake map, showing general areas of filled or unstable ground.

Washington Surveying and Rating Bureau, 1966, Tacoma, Washington earthquake map, showing general areas of filled or unstable ground.

Wen, Y.-K., 1983, Seismic risk and cost benefit analysis of the spillway tower, Tolt River dam safety improvement project.

Whitman, R. V., 1975, Seismic risk for Trident support site drydock, NTS Keyport, Bangor Annex, Washington.

Williams, P. L.; Jacoby, G. C., 1989, Evaluation of possible seismic triggering of giant landslides in Seattle, Washington [abstract].

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Site-specific earthquake strong ground motion studies in the Puget Sound and Portland, Oregon metropolitan areas.

Youd, T. L., 1989, Liquefaction hazard mapping for the Seattle urban region utilizing LSI.*

Youngs, R. R.; Coppersmith, K. J., 1989, Attenuation relationships for evaluation of seismic hazards from large subduction zone earthquakes.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1990, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the southern Seattle area, Washington—Implications for studies of liquefaction susceptibility.*

Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

EARTHQUAKES AND SEISMOLOGY – WASHINGTON – SOUTHWESTERN

Note: Materials on the earthquakes and seismology of the Mount St. Helens area are not listed here but are given under **MOUNT ST. HELENS – EARTHQUAKES AND SEISMOLOGY**

Cohee, B. P.; Somerville, P. G.; Sen, M. K., 1989, Strong ground motions in the Seattle–Portland region from hypothesized M_w=8 subduction earthquake [abstract].

Coppersmith, K. J.; Youngs, R. R., 1990, Probabilistic seismic-hazard analysis using expert opinion—An example from the Pacific Northwest.

Cornforth, D. H., 1990, Earthquake-induced landslides.

Day, S. M.; Stevens, J. L.; Barker, T. G., 1988, Ground motion simulations for thrust earthquakes beneath western Washington; Final report.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon—Text and map explanation.

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Manfrida, J. L., 1977, Soil amplification studies using explosion impulse.

Oregon Geology, 1991, Significant Oregon earthquakes in 1991.

Person, W. J., 1981, Earthquakes, May-June 1981.

Qamar, A. I., 1988, The effect of local geology on earthquake intensity in the Seattle to Portland region of Washington and northern Oregon.

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Sherif, M. A.; Ishibashi, Isao; Kearnes, J. K., 1976, Microzonation by amplification ratio technique.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Preliminary assessment of potential strong earthquake ground shaking in the Portland, Oregon, metropolitan area.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Site-specific earthquake strong ground motion studies in the Puget Sound and Portland, Oregon metropolitan areas.

Yelin, T. S.; Patton, H. J., 1991, Seismotectonics of the Portland, Oregon, region.*

Eickelberg Seamount, *see* **JUAN DE FUCA RIDGE – EICKELBERG SEAMOUNT**

Electrical surveys,
see
GEOPHYSICS – ELECTRICAL SURVEYS
MARINE GEOLOGY – GEOPHYSICS – ELECTRICAL SURVEYS
and also *see* subdivision GEOPHYSICS – ELECTRICAL SURVEYS under specific regions, e.g., BRITISH COLUMBIA – GEOPHYSICS – ELECTRICAL SURVEYS

Endeavour Segment, *see* JUAN DE FUCA RIDGE – ENDEAVOUR SEGMENT

ENGINEERING GEOLOGY [GENERAL OR REGIONAL WORKS]

Fritts, S. G.; Merifield, P. M.; Lamar, D. L.; Smith, J. L., 1982, Reconnaissance engineering geologic mapping from Landsat imagery along the Northern Tier Pipeline route.

Galster, R. W., chairman, 1989, Engineering geology in Washington.

Galster, R. W., 1989, Geologic factors affecting engineering facilities—Introduction.

Galster, R. W., 1989, The influence of man's development on geologic processes.

Galster, R. W.; Coombs, H. A.; Waldron, H. H., 1989, Engineering geology in Washington—Introduction.

Koler, T. E., 1989, Rural development and land-use planning—Introduction.

Laprade, W. T., 1989, Engineering geology in urban areas—Introduction.

McCrumb, D. R.; Galster, R. W.; Crosson, R. S.; Ludwin, R. S.; West, D. O.; Hancock, W. E.; Mann, L. V., 1989, Tectonics, seismicity, and engineering seismology in Washington.

ENGINEERING GEOLOGY – BRITISH COLUMBIA

Bazett, D. J.; McCammon, N. R., 1986, Foundations of the Annacis cable-stayed bridge.

Byrne, P. M.; Anderson, D. L.; Atukorala, Upul; Joseph, Adrian, 1987, Seismic risk at Vancouver International Airport.

Byrne, P. M.; Vaziri, Hans; Atukorala, Upal; Fraser, Donald, 1988, Model tests on seismic stability of an approach fill embankment, Annacis Island Bridge Project, Vancouver, Canada.

Campanella, R. G.; Stewart, W. P., 1990, In situ damping characteristics of soil [abstract].

Ellis, R. M.; Dragert, Herb; Ozard, J. M., 1976, Seismic activity in the McNaughton Lake area, Canada.

Foster, H. D., 1976, Coastal erosion—A natural hazard of the Saanich Peninsula, Vancouver Island.

Laesecke, R. F., 1989, Factors causing instability of rock slopes along the Vancouver–Squamish highway in southwestern British Columbia.

Lister, D. R., 1989, Landslides, highways and mountains—Stability problems associated with highway development in British Columbia [abstract].

Moore, D. P.; Enegren, E. G., 1990, Rockslide hazard evaluation along B.C. Hydro's reservoirs [abstract].

Nicol, Doug, 1987, The feasibility and technical design of a proposed Squamish highway tunnel.

Engineering geology – Buildings and building standards, *see* EARTHQUAKES AND SEISMOLOGY – BUILDINGS, BUILDING STANDARDS, AND ENGINEERING

ENGINEERING GEOLOGY – CALIFORNIA

Valera, J. E.; Seed, H. B.; Tsai, C. F.; Lysmer, J., 1977, Soil-structure interaction effects at the Humboldt Bay power plant in the Ferndale earthquake of June 7, 1975.

ENGINEERING GEOLOGY – DAMS AND RESERVOIRS

see also EARTHQUAKES AND DAMS AND RESERVOIRS

Ake, Jon; Markiewicz, R. D.; Butler, David; Harrell, H. C., 1988, Impact of shallow seismic exploration on engineering decisions at Cold Springs Dam, Oregon [abstract].

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Bliton, W. S., 1989, Cedar River project.

Bliton, W. S., 1989, Elwha River dams.

Bliton, W. S., 1989, Lewis River projects.

Bliton, W. S., 1989, Sultan River project.

Bliton, W. S., 1989, Tolt River project.

Converse Ward Davis Dixon, Inc., 1980, Report on earthquake motions for reservoir seismic stability analyses, Seattle, Washington.

Coombs, H. A., 1989, The Baker project.

Coombs, H. A., 1989, The Cowlitz River projects—Mayfield and Mossyrock Dams.

Coombs, H. A., 1989, The Nisqually projects—La Grande and Alder Dams.

Coombs, H. A., 1989, Rocky Reach Dam.

Coombs, H. A., 1989, The Skagit projects—Ross, Diablo, and Gorge Dams.

Coombs, H. A., 1989, The Skokomish River projects—Cushman Dam no. 1 and Cushman Dam no. 2.

Eckerlin, R. D., 1989, Dams of the Olympic Peninsula—Introduction and geologic setting.

Eckerlin, R. D., 1989, Wynoochee Dam.

Ellis, R. M.; Dragert, Herb; Ozard, J. M., 1976, Seismic activity in the McNaughton Lake area, Canada.

Fugro Northwest, Inc., 1980, Executive summary of geologic feasibility studies for proposed Copper Creek dam.

Fugro Northwest, Inc., 1980, Report on additional geologic studies for proposed Copper Creek dam.

Galster, R. W., 1989, Dams of western Washington—Introduction—Early projects.

Galster, R. W., 1989, Howard A. Hanson Dam.

Galster, R. W., 1989, Mud Mountain Dam.

Galster, R. W., 1989, Rock Island Dam.

Galster, R. W.; Coombs, H. A., 1989, Cascade ice border dams—Geologic setting.

Galster, R. W.; Imrie, A. S.; and others, 1989, Engineering geology of major dams on the Columbia River—Puget Sound basin to northern Rocky Mountains, July 21-30, 1989.

Galster, R. W.; Sager, J. W., 1989, Dams of the lower Columbia River—Geologic setting.

Galster, R. W.; Trantham, C. I., 1989, Skookumchuck Dam.

Geo-Recon, Inc., 1963, Phase I, Geophysical investigation, proposed Morse Lake dam.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation of the northern Cascade mountains geomorphic province for Bumping Lake, Tieton, Keechelus, Kachess, Cle Elum, and Clear Lake dams.

Geomatrix Consultants, Inc., 1989, Seismotectonic evaluation—Northwest Rocky Mountains–Okanogan Uplands geomorphic province; Final report.

Graham, J. G., 1990, Investigation of a construction fill site, Hamilton Island, near Bonneville Dam, WA [abstract].

Hodge, E. T., 1932, Report of dam sites on lower Columbia River.

Jurich, David; Harris, Craig; Moody, Thomas, 1989, Investigation and improvement of the Upper Baker Dam foundation drainage system—A case history [abstract].

Laenen, Antonius; Orzol, L. L., 1987, Flood hazards along the Toutle and Cowlitz Rivers, Washington, from a hypothetical failure of Castle Lake blockage.

LaVassar, Jerald, 1990, Dam safety considerations.

Monahan, C. J., 1969, Reservoirs in volcanic terrain.

Moore, D. P.; Enegren, E. G., 1990, Rockslide hazard evaluation along B.C. Hydro's reservoirs [abstract].

Peterson, G. L.; Squier, L. R.; Weatherby, D. O., 1987, Load tests for instrumented high capacity tiebacks at the Bonneville navigation lock [abstract].

Sager, J. W., 1989, Bonneville Dam.

Seattle City Light, 1981, Copper Creek project—Final environmental impact statement.

Shannon and Wilson, Inc., 1981, Seven geotechnical reports, South Fork Tolt River dam—Report 2, Seismicity study, South Fork Tolt River dam.

Sirles, P. C., 1988, Shear wave velocity measurements in embankment dams.

Tilford, K. R., 1990, Site geology and construction dewatering of the Marmot Dam rehabilitation near Sandy, Oregon [abstract].

Tilford, N. R.; Sullivan, J. G., 1981, Lewis River hydroelectric developments.

Wen, Y.-K., 1983, Seismic risk and cost benefit analysis of the spillway tower, Tolt River dam safety improvement project.

ENGINEERING GEOLOGY – DREDGING AND DREDGED MATERIALS

Malek, J. F.; Palermo, M. R., 1987, Application of a management strategy for dredging and disposal of contaminated sediments to proposed U.S. Navy Homeport Project at East Waterway, Everett Harbor, Washington.

Engineering geology – Liquefaction, *see* **EARTHQUAKE-INDUCED LIQUEFACTION**

ENGINEERING GEOLOGY – MUNICIPAL WATER SYSTEMS and LIFELINES

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Anton, W. F., 1990, Overview of lifeline earthquake engineering panel discussion—Abstract of responses.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Ballantyne, D. B., 1990, Earthquake loss estimation of the City of Everett lifelines.

Ballantyne, D. B., 1990, Lifelines session.

Elliott, W. M., 1990, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.*

Medak, Alan, 1990, Lifeline panel #3.

Scawthorn, Charles, 1990, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.

Sullivan, Ken, 1990, [Lifelines].

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao, 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao; Ballantyne, D. B.; Elliott, W. M., 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

ENGINEERING GEOLOGY – NUCLEAR POWER PLANT SITING

see also **EARTHQUAKES AND NUCLEAR POWER-PLANTS**

Adair, M. J.; Talmage, R. H.; Crosby, T. W.; Testa, S. M., 1989, Geology and seismicity of the Skagit Nuclear Power Plant site.

Dewey, J. W.; Spence, W. J., 1978, Expected ground motion at proposed nuclear power plant sites [abstract].

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Newton, V. C., Jr.; Peterson, N. V., 1973, Geologic criteria for siting nuclear power plants in Oregon.

Oregon Department of Geology and Mineral Industries, 1978, Geologic hazards review—Trojan nuclear power plant site, Columbia County, Oregon.

Puget Sound Power and Light Company, 1977, Preliminary safety analysis report, Skagit Nuclear Power Project, Amendment no. 19.

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Valera, J. E.; Seed, H. B.; Tsai, C. F.; Lysmer, J., 1977, Soil-structure interaction effects at the Humboldt Bay power plant in the Ferndale earthquake of June 7, 1975.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

ENGINEERING GEOLOGY – OREGON

Ake, Jon; Markiewicz, R. D.; Butler, David; Harrell, H. C., 1988, Impact of shallow seismic exploration on engineering decisions at Cold Springs Dam, Oregon [abstract].

Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Elliott, W. M., 1990, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Newton, V. C., Jr.; Peterson, N. V., 1973, Geologic criteria for siting nuclear power plants in Oregon.

Oregon Department of Geology and Mineral Industries, 1978, Geologic hazards review—Trojan nuclear power plant site, Columbia County, Oregon.

Sirles, P. C., 1988, Shear wave velocity measurements in embankment dams.

Tilford, K. R., 1990, Site geology and construction dewatering of the Marmot Dam rehabilitation near Sandy, Oregon [abstract].

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao, 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao; Ballantyne, D. B.; Elliott, W. M., 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

ENGINEERING GEOLOGY – PORT FACILITIES

Byrne, P. M.; Anderson, D. L.; Atukorala, Upul; Joseph, Adrian, 1987, Seismic risk at Vancouver International Airport.

Fuller, S. R.; Sondergaard, J. N.; Fuglevand, P. F., 1989, Stratigraphy and Holocene stability of the Snohomish River-mouth delta near Port Gardner, Everett, Washington.

Galster, R. W., 1989, Geologic aspects of jetties, breakwaters, and boat basins in western Washington.

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

MacLeod, Bob, 1990, Lifeline panel #1.

Riniker, A. B., 1990, Lifeline panel #1.

ENGINEERING GEOLOGY – ROADS AND BRIDGES

Andrews, G. H.; Klasell, J. A., 1964, Cylinder pile retaining wall.

Bazett, D. J.; McCammon, N. R., 1986, Foundations of the Annacis cable-stayed bridge.

Bronson, K. E., 1989, Geotechnical impacts on construction of State Route 167, the Valley Freeway.

Buechel, G. J.; Yamane, George, 1989, Stabilization of a roadway slide by drainage installation and light-weight fill.

Burk, R. L.; Moser, K. R.; McCreath, Dougal; Norrish, N. I.; Plum, R. L., 1989, Engineering geology of a portion of the Spirit Lake Memorial Highway.

Byrne, P. M.; Vaziri, Hans; Atukorala, Upal; Fraser, Donald, 1988, Model tests on seismic stability of an approach fill embankment, Annacis Island Bridge Project, Vancouver, Canada.

Denby, G. M.; Bangash, A. A.; Brigham, J. E.; Fragazsy, R. J., 1989, Field test to evaluate load transfer for soil anchors.

Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Golder Associates, 1987, Cow Creek bridge geotechnical report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, 1987, Materials source investigation, Elk North site, Spirit Lake Memorial Highway, State Route SR-504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Bear Creek Bridge report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Elk Creek Bridge report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Geotechnical report, segment 1, station 1439+00 to station 1576+35, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Geotechnical report, segment 2, station 1602+00 to station 1770+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Geotechnical report, segment 3, station 1770+00 to station 1900+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Geotechnical report, segment 6, station 2209+50 to station 2317+95, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Materials source investigations site #30, Spirit Lake Memorial Highway, State Route SR-504, Cowlitz County, Washington.
Golder Associates, Inc., 1987, Preliminary assessment of geological conditions, segment 1, station 1439+00 to station 1581+00, Spirit Lake Memorial Highway, SR-504, Cowlitz County, WA.
Golder Associates, Inc., 1988, Geotechnical report, segment 4—Station 1900+00 to station 2050+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1988, Geotechnical report, segment 5, station 2050+00 to station 2210+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1988, Hoffstadt Bluffs Bridge report, station 1467+62 to station 1472+06, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1988, Maratta Creek bridge geotechnical report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1988, Unnamed creek bridge no. 8 report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1988, Unnamed creek bridge no. 10 report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.
Golder Associates, Inc., 1989, Design memorandum, Hoffstadt Bluffs to Hoffstadt Creek, nailed retaining wall, station 1438+47 to station 1442+64, SR-504, Washington.
Higgins, J. D.; Fragaszy, R. J.; Beard, L. D., 1988, Seismic zonation for highway bridge design.
Jacksha, Jerry; Roth, L. H.; Harwood, Allen, 1989, Subsurface conditions and load testing for the Glenn Jackson Bridge (Interstate Highway 205) across the Columbia River.
Johnson, K. A., 1989, Seattle freeway construction, Interstate Highway 5, 1960-1966.
Kornher, Karen, 1989, Design response spectra for Washington State bridges.
Laesecke, R. F., 1989, Factors causing instability of rock slopes along the Vancouver–Squamish highway in southwestern British Columbia.
Lister, D. R., 1989, Landslides, highways and mountains—Stability problems associated with highway development in British Columbia [abstract].
Lowell, S. M., 1990, The K M Mountain landslide near Skamokawa.
Mikkelsen, P. E., 1989, Geotechnical monitoring during construction of two highway embankments on soft ground in Tacoma.
Nicol, Doug, 1987, The feasibility and technical design of a proposed Squamish highway tunnel.
Ramage, John; Roth, L. H., 1975, I-205 Columbia River bridge foundation load test program.
Reilly, T. K., 1985, Enclosure 2—Gifford Pinchot National Forest geotechnical road location investigation guidelines.
Rieke, R. D.; Crowser, J. C., 1987, Interpretation of pile load test considering residual stresses.
Robinson, R. A., 1989, Engineering geology on transportation routes—Introduction.
Robinson, R. A., 1989, Geotechnical impacts on design and construction of the Mt. Baker Ridge Tunnel, interstate Highway 90, Seattle.
Shannon and Wilson, Inc., 1980, Geotechnical engineering studies—West Seattle freeway bridge replacement, City of Seattle.*
Sherif, M. A., 1966, Physical properties of Seattle freeway soils.
Sondergaard, J. N.; Fuller, S. R.; Otten, M. T., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.
Sondergaard, J. N.; Otten, M. T.; Fuller, S. R., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.
Squier, L. R.; Klasell, J. A., 1989, Cylinder pile walls along Interstate Highway 5, Seattle.
Vandehey, Del, 1990, Lifeline panel #1.
Wiatrak, P. A., 1966, Seattle's leaning wall.
Witek, B. M., 1989, Design and construction of a highway interchange on soft organic soils, State Route 16, Kitsap Peninsula, Washington.
Yamane, George; Wu, M.-J., 1989, Pile foundation for the West Seattle Freeway bridge replacement, Seattle, Washington.
Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

ENGINEERING GEOLOGY – SHORELINE EROSION

Foster, H. D., 1976, Coastal erosion—A natural hazard of the Saanich Peninsula, Vancouver Island.
Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.
Galster, R. W., 1989, Ediz Hook—A case history of coastal erosion and mitigation.
Johnson, Lee; Bauer, Wolf, 1987, Beach stabilization design.
Marcus, K. L., 1989, Coastal and marine engineering geology—Introduction.
Schwartz, M. L.; Wallace, R. S.; Jacobsen, E. E., 1989, Net shore-drift in Puget Sound.
Terich, T. A., 1989, Structural erosion protection of beaches along Puget Sound—An assessment of alternatives and research needs.

ENGINEERING GEOLOGY – SOIL MECHANICS and ROCK MECHANICS

see also
EARTHQUAKE-INDUCED LANDSLIDES
EARTHQUAKE-INDUCED LIQUEFACTION
LANDSLIDES AND SLOPE STABILITY

Bauhof, F. C., 1989, Construction history of the Cascade Railroad Tunnel.
Bekey, T. J., 1989, Collapsing and expansive soils.
Bronson, K. E., 1989, Geotechnical impacts on construction of State Route 167, the Valley Freeway.
Byrne, P. M.; Vaziri, Hans; Atukorala, Upal; Fraser, Donald, 1988, Model tests on seismic stability of an approach fill embankment, Annacis Island Bridge Project, Vancouver, Canada.
Campanella, R. G.; Stewart, W. P., 1990, In situ damping characteristics of soil [abstract].
Cheng, W.-L., 1980, Effects of soil properties on liquefaction potential during earthquakes.

Denby, G. M.; Bangash, A. A.; Brigham, J. E.; Fragazsy, R. J., 1989, Field test to evaluate load transfer for soil anchors.

Gaddah, A. H., 1976, Damping ratio for dry sands.

Grant, W. P., 1989, Evaluation of liquefaction potential, Seattle, Washington.

Gurtowski, T. M.; Boirum, R. N., 1989, Foundations and excavations for high-rise structures in downtown Seattle.

Ho, C. L.; Kornher, Karen; Tsiatas, G. E., 1991, Ground motion model for Puget Sound cohesionless soil sites.

Koler, T. E.; Neal, K. G., 1989, Chestershire and Backdrop timber sales—Case histories of the practice of engineering geology in the Olympic National Forest.

Koloski, J. W.; Schwarz, S. D.; Tubbs, D. W., 1989, Geotechnical properties of geologic materials.

Laprade, W. T.; Robinson, R. A., 1989, Foundation and excavation conditions in Washington.

Ludwig, H. P.; Weatherby, D. E., 1989, Behavior of a tieback in cohesive soil.

Miller, J. A., 1989, Landslide stabilization in an urban setting, Fauntleroy District, Seattle, Washington.

Morse, R. W., 1989, Regrading years in Seattle.

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

Rieke, R. D.; Crowser, J. C., 1987, Interpretation of pile load test considering residual stresses.

Sherif, M. A., 1964, Flow and fracture properties of Seattle clays.

Sherif, M. A., 1966, Physical properties of Seattle freeway soils.

Sherif, M. A.; Strazer, R. J., 1973, Soil parameters for design of Mt. Baker Ridge tunnel in Seattle.

Sherif, M. A.; Tien, Y. B.; Lawrence, C. B., 1983, Experimental versus field values for K_o.

Sherif, M. A.; Wu, M.-J., 1968, The residual strength of Seattle clays during triaxial testing.

Sherif, M. A.; Wu, M.-J., 1968, The short term failure criterion for Seattle clays.

Sherif, M. A.; Wu, M.-J., 1969, Creep limit and residual strength relationship.

Sherif, M. A.; Wu, M.-J., 1971, The dynamic shear behavior of Seattle clays.

Sherif, M. A.; Wu, M.-J., 1971, Summary and practical implications of the University of Washington soil engineering research.

Squires, G. H., 1985, An experimental investigation of the consolidation and shear strength characteristics of a Seattle clay.

Washington Surveying and Rating Bureau, compiler, 1966, Bellingham and vicinity earthquake map, showing general areas of unstable ground.

Washington Surveying and Rating Bureau, 1966, Everett and vicinity, Wn. earthquake map showing general areas of filled or unstable ground.

Washington Surveying and Rating Bureau, 1966, Seattle and vicinity, Washington earthquake map, showing general areas of filled or unstable ground.

Washington Surveying and Rating Bureau, 1966, Tacoma, Washington earthquake map, showing general areas of filled or unstable ground.

Withers, N. J.; Howie, J.; Hughes, J. M. O.; Robertson, P. K., 1989, Performance and analysis of cone pressuremeter tests in sands.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1989, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the greater Seattle area, Washington—Implications for liquefaction susceptibility studies.

Engineering geology – Subsidence, *see* **SUBSIDENCE AND UPLIFT**

ENGINEERING GEOLOGY – TUNNELS AND PIPELINES

Arnold, A. B.; Scott, C. T., 1987, Geology and TBM performance in the Blue Mountain tunnel, Sultan River hydroelectric project.

Bauhof, F. C., 1989, Construction history of the Cascade Railroad Tunnel.

Critchfield, J. W.; MacDonald, J. F., 1990, Downtown in soft ground.

Douglass, P. M.; Bailey, M. J.; Wagner, J. J., 1985, Chambers Creek interceptor sewer tunnel.

Herman, L. J., 1989, Chambers Creek tunnel dewatering and impact on groundwater users near Tacoma.

Laprade, W. T.; Thompson, S. R., 1989, Engineering geology of the Downtown Seattle Transit Project.

Lowe, Roger, Associates, Inc., 1980, Report of geotechnical studies, SR 90 tunnel project, Mercer Island, Washington.

MacDonald, J. F., 1985, Mt. Baker Ridge tunnel—Construction of a large diameter soft ground tunnel by the stacked drift method.

Nicol, Doug, 1987, The feasibility and technical design of a proposed Squamish highway tunnel.

Patten, R. H., 1987, Excavation problems of E.T.S.-6 tunnel.

Robinson, R. A., 1989, Geotechnical impacts on design and construction of the Mt. Baker Ridge Tunnel, interstate Highway 90, Seattle.

Robinson, R. A.; Kucker, M. S.; Feldman, A. I.; Parker, H. W., 1987, Ground and linear behavior during construction of the Mt. Baker Ridge tunnel.

Shannon and Wilson, Inc., 1985, Geotechnical report—Downtown Seattle transit project; Preliminary engineering.

Sherif, M. A.; Strazer, R. J., 1973, Soil parameters for design of Mt. Baker Ridge tunnel in Seattle.

Sherif, M. A.; Tien, Y. B.; Lawrence, C. B., 1983, Experimental versus field values for K_o.

Tunnels and Tunneling, 1982, Seattle to get largest diameter soft-ground bored tunnel in the USA.

ENGINEERING GEOLOGY – WASHINGTON – CASCADE RANGE and CASCADE FOOTHILLS

Arnold, A. B.; Scott, C. T., 1987, Geology and TBM performance in the Blue Mountain tunnel, Sultan River hydroelectric project.

Bauhof, F. C., 1989, Construction history of the Cascade Railroad Tunnel.

Bliton, W. S., 1989, Sultan River project.

Bliton, W. S., 1989, Tolt River project.

Coombs, H. A., 1989, The Baker project.

Coombs, H. A., 1989, Rocky Reach Dam.

Coombs, H. A., 1989, The Skagit projects—Ross, Diablo, and Gorge Dams.

Fugro Northwest, Inc., 1980, Executive summary of geologic feasibility studies for proposed Copper Creek dam.

Fugro Northwest, Inc., 1980, Report on additional geologic studies for proposed Copper Creek dam.

Galster, R. W., 1989, Rock Island Dam.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation of the northern Cascade mountains geomorphic province for Bumping Lake, Tieton, Keechelus, Kachess, Cle Elum, and Clear Lake dams.

Geomatrix Consultants, Inc., 1989, Seismotectonic evaluation—Northwest Rocky Mountains–Okanogan Uplands geomorphic province; Final report.

Jurich, David; Harris, Craig; Moody, Thomas, 1989, Investigation and improvement of the Upper Baker Dam foundation drainage system—A case history [abstract].

Seattle City Light, 1981, Copper Creek project—Final environmental impact statement.

Shannon and Wilson, Inc., 1981, Seven geotechnical reports, South Fork Tolt River dam—Report 2, Seismicity study, South Fork Tolt River dam.

Wen, Y.-K., 1983, Seismic risk and cost benefit analysis of the spillway tower, Tolt River dam safety improvement project.

ENGINEERING GEOLOGY – WASHINGTON – OLYMPIC PENINSULA (including shorelines)

Bliton, W. S., 1989, Elwha River dams.

Coombs, H. A., 1989, The Skokomish River projects—Cushman Dam no. 1 and Cushman Dam no. 2.

Eckerlin, R. D., 1989, Dams of the Olympic Peninsula—Introduction and geologic setting.

Eckerlin, R. D., 1989, Wynoochee Dam.

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Galster, R. W., 1989, Ediz Hook—A case history of coastal erosion and mitigation.

Koler, T. E.; Neal, K. G., 1989, Chestershire and Backdrop timber sales—Case histories of the practice of engineering geology in the Olympic National Forest.

ENGINEERING GEOLOGY – WASHINGTON – PUGET LOWLAND

Adair, M. J.; Talmage, R. H.; Crosby, T. W.; Testa, S. M., 1989, Geology and seismicity of the Skagit Nuclear Power Plant site.

Andrews, G. H.; Klasell, J. A., 1964, Cylinder pile retaining wall.

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Anton, W. F., 1990, Overview of lifeline earthquake engineering panel discussion—Abstract of responses.

Bailey, J. S.; Rowland, P. J., 1989, Hydrogeologic characterization of a rural landfill for compliance operation and closure design.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Ballantyne, D. B., 1990, Earthquake loss estimation of the City of Everett lifelines.

Bliton, W. S., 1989, Cedar River project.

Bronson, K. E., 1989, Geotechnical impacts on construction of State Route 167, the Valley Freeway.

Brown and Caldwell; Municipality of Metropolitan Seattle; TCW Associates, Inc., 1989, Geohydrology studies of the Metro section 16 Silvigrow project.

Buechel, G. J.; Yamane, George, 1989, Stabilization of a roadway slide by drainage installation and light-weight fill.

Cheng, W.-L., 1980, Effects of soil properties on liquefaction potential during earthquakes.

Converse Ward Davis Dixon, Inc., 1980, Report on earthquake motions for reservoir seismic stability analyses, Seattle, Washington.

Coombs, H. A., 1989, The Nisqually projects—La Grande and Alder Dams.

Critchfield, J. W.; MacDonald, J. F., 1990, Downtown in soft ground.

Denby, G. M.; Bangash, A. A.; Brigham, J. E.; Fragazsy, R. J., 1989, Field test to evaluate load transfer for soil anchors.

Douglass, P. M.; Bailey, M. J.; Wagner, J. J., 1985, Chambers Creek interceptor sewer tunnel.

Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Gaddah, A. H., 1976, Damping ratio for dry sands.

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

Galster, R. W., 1989, Howard A. Hanson Dam.

Galster, R. W., 1989, Mud Mountain Dam.

Galster, R. W.; Coombs, H. A., 1989, Cascade ice border dams—Geologic setting.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Galster, R. W.; Trantham, C. I., 1989, Skookumchuck Dam.

Geo-Recon, Inc., 1963, Phase I, Geophysical investigation, proposed Morse Lake dam.

Grant, W. P., 1989, Evaluation of liquefaction potential, Seattle, Washington.

Grant, W. P.; Yamane, George; Miller, R. P., 1984, Columbia Center shoring wall, Seattle, Washington.

Gurtowski, T. M.; Boirum, R. N., 1989, Foundations and excavations for high-rise structures in downtown Seattle.

Herman, L. J., 1989, Chambers Creek tunnel dewatering and impact on groundwater users near Tacoma.

Ho, C. L.; Kornher, Karen; Tsiatas, G. E., 1991, Ground motion model for Puget Sound cohesionless soil sites.

Johnson, K. A., 1989, Seattle freeway construction, Interstate Highway 5, 1960-1966.

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.

Kleppe, J. H.; Denby, G. M., 1984, Design and performance of horizontal drains.

Laprade, W. T.; Thompson, S. R., 1989, Engineering geology of the Downtown Seattle Transit Project.

Lowe, Roger, Associates, Inc., 1980, Report of geotechnical studies, SR 90 tunnel project, Mercer Island, Washington.

MacDonald, J. F., 1985, Mt. Baker Ridge tunnel—Construction of a large diameter soft ground tunnel by the stacked drift method.

Mikkelsen, P. E., 1989, Geotechnical monitoring during construction of two highway embankments on soft ground in Tacoma.

Miller, J. A., 1989, Landslide stabilization in an urban setting, Fauntleroy District, Seattle, Washington.

Mills, D. E.; Cordell, D. A., 1989, A hydrogeologic assessment of Cedar Hills regional landfill, King County, Washington.

Morse, R. W., 1989, Regrading years in Seattle.

Patten, R. H., 1987, Excavation problems of E.T.S.-6 tunnel.

Rattue, K. G.; Sagstad, S. R., 1989, Hydrogeologic evaluation of the Snohomish County regional landfill.

Rieke, R. D.; Crowser, J. C., 1987, Interpretation of pile load test considering residual stresses.

Robinson, R. A., 1989, Geotechnical impacts on design and construction of the Mt. Baker Ridge Tunnel, interstate Highway 90, Seattle.

Robinson, R. A.; Kucker, M. S.; Feldman, A. I.; Parker, H. W., 1987, Ground and linear behavior during construction of the Mt. Baker Ridge tunnel.

Scawthorn, Charles, 1990, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.

Shannon and Wilson, Inc., 1980, Geotechnical engineering studies—West Seattle freeway bridge replacement, City of Seattle.*

Shannon and Wilson, Inc., 1985, Geotechnical report—Downtown Seattle transit project; Preliminary engineering.

Shannon, W. L.; Strazer, R. J., 1970, Tiedback excavation wall for Seattle First National Bank.

Sherif, M. A., 1964, Flow and fracture properties of Seattle clays.

Sherif, M. A., 1966, Physical properties of Seattle freeway soils.

Sherif, M. A.; Strazer, R. J., 1973, Soil parameters for design of Mt. Baker Ridge tunnel in Seattle.

Sherif, M. A.; Tien, Y. B.; Lawrence, C. B., 1983, Experimental versus field values for K_o.

Sherif, M. A.; Wu, M.-J., 1968, The residual strength of Seattle clays during triaxial testing.

Sherif, M. A.; Wu, M.-J., 1968, The short term failure criterion for Seattle clays.

Sherif, M. A.; Wu, M.-J., 1969, Creep limit and residual strength relationship.

Sherif, M. A.; Wu, M.-J., 1971, The dynamic shear behavior of Seattle clays.

Sherif, M. A.; Wu, M.-J., 1971, Summary and practical implications of the University of Washington soil engineering research.

Sondergaard, J. N.; Fuller, S. R.; Otten, M. T., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.

Sondergaard, J. N.; Otten, M. T.; Fuller, S. R., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.

Squier, L. R.; Klasell, J. A., 1989, Cylinder pile walls along Interstate Highway 5, Seattle.

Sweet, Edwards and Associates, Inc., 1984, Site area F, geotechnical feasibility study—Snohomish County landfill site selection study—Phase 1-4, Geotechnical report.

Sweet, Edwards and Associates, Inc., 1986, Cedar Hills regional landfill—Phase 2—Site development plan; Existing area report.

Sweet, Edwards and Associates, Inc., 1986, Final report—Geotechnical investigation, Snohomish County regional landfill.

Sweet, Edwards and Associates, Inc., 1986, Island County ground water quality assessment and monitoring program—Final report.

Sweet, Edwards and Associates, Inc.; Herrera Environmental Consultants, 1987, Cedar Hills regional landfill site development plan; Task 45.0—Investigation of the feasibility of in-waste leachate head reduction; Progress report, Sept. 11, 1987.

Trotman, Kenneth, 1989, Hydrogeologic investigation of the Reichhold Chemicals, Inc., facility in Tacoma, Washington.

Tunnels and Tunneling, 1982, Seattle to get largest diameter soft-ground bored tunnel in the USA.

U.S. Army Corps of Engineers, 1982, Madigan Army Medical Center, Ft. Lewis, Washington—Geotechnical report.*

URS Company; Jacobs Associates; Converse Consultants; Evans-Hamilton, Inc., 1983, Metro Renton effluent transfer system, contract no. CW-F2-82; Predesign study, Phase I, Preliminary report, geotechnical.

URS/John A. Blume and Associates, 1985, Metro effluent transfer system, seismic evaluation amendment 4, task XVIII.5.

Waldo, J. J., 1986, A survey of the engineering geologic information needs of land use planners.

Wiatrak, P. A., 1966, Seattle's leaning wall.

Witek, B. M., 1989, Design and construction of a highway interchange on soft organic soils, State Route 16, Kitsap Peninsula, Washington.

Yamane, George; Wu, M.-J., 1989, Pile foundation for the West Seattle Freeway bridge replacement, Seattle, Washington.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1989, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the greater Seattle area, Washington—Implications for liquefaction susceptibility studies.

Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

ENGINEERING GEOLOGY – WASHINGTON – PUGET SOUND (including shorelines)

Fuller, S. R.; Sondergaard, J. N.; Fuglevand, P. F., 1989, Stratigraphy and Holocene stability of the Snohomish River-mouth delta near Port Gardner, Everett, Washington.

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

Johnson, Lee; Bauer, Wolf, 1987, Beach stabilization design.

Malek, J. F.; Palermo, M. R., 1987, Application of a management strategy for dredging and disposal of contaminated sediments to proposed U.S. Navy Homeport Project at East Waterway, Everett Harbor, Washington.

Marcus, K. L., 1989, Coastal and marine engineering geology—Introduction.

Schwartz, M. L.; Wallace, R. S.; Jacobsen, E. E., 1989, Net shore-drift in Puget Sound.

Terich, T. A., 1989, Structural erosion protection of beaches along Puget Sound—An assessment of alternatives and research needs.

ENGINEERING GEOLOGY – WASHINGTON – SOUTHWESTERN

see also MOUNT ST. HELENS – ENGINEERING GEOLOGY

Bliton, W. S., 1989, Lewis River projects.

Burk, R. L.; Moser, K. R.; McCreath, Dougal; Norrish, N. I.; Plum, R. L., 1989, Engineering geology of a portion of the Spirit Lake Memorial Highway.

Coombs, H. A., 1989, The Cowlitz River projects—Mayfield and Mossyrock Dams.

Galster, R. W.; Imrie, A. S.; and others, 1989, Engineering geology of major dams on the Columbia River—Puget Sound basin to northern Rocky Mountains, July 21-30, 1989.

Galster, R. W.; Sager, J. W., 1989, Dams of the lower Columbia River—Geologic setting.

Golder Associates, 1987, Cow Creek bridge geotechnical report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, 1987, Materials source investigation, Elk North site, Spirit Lake Memorial Highway, State Route SR-504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Bear Creek Bridge report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Elk Creek Bridge report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Geotechnical report, segment 1, station 1439+00 to station 1576+35, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Geotechnical report, segment 2, station 1602+00 to station 1770+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Geotechnical report, segment 3, station 1770+00 to station 1900+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Geotechnical report, segment 6, station 2209+50 to station 2317+95, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Materials source investigations site #30, Spirit Lake Memorial Highway, State Route SR-504, Cowlitz County, Washington.

Golder Associates, Inc., 1987, Preliminary assessment of geological conditions, segment 1, station 1439+00 to station 1581+00, Spirit Lake Memorial Highway, SR-504, Cowlitz County, WA.

Golder Associates, Inc., 1988, Geotechnical report, segment 4—Station 1900+00 to station 2050+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1988, Geotechnical report, segment 5, station 2050+00 to station 2210+00, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1988, Hoffstadt Bluffs Bridge report, station 1467+62 to station 1472+06, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1988, Maratta Creek bridge geotechnical report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1988, Unnamed creek bridge no. 8 report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1988, Unnamed creek bridge no. 10 report, Spirit Lake Memorial Highway, State Route 504, Cowlitz County, Washington.

Golder Associates, Inc., 1989, Design memorandum, Hoffstadt Bluffs to Hoffstadt Creek, nailed retaining wall, station 1438+47 to station 1442+64, SR-504, Washington.

Graham, J. G., 1990, Investigation of a construction fill site, Hamilton Island, near Bonneville Dam, WA [abstract].

Hodge, E. T., 1932, Report of dam sites on lower Columbia River.

Jacksha, Jerry; Roth, L. H.; Harwood, Allen, 1989, Subsurface conditions and load testing for the Glenn Jackson Bridge (Interstate Highway 205) across the Columbia River.

Laenen, Antonius; Orzol, L. L., 1987, Flood hazards along the Toutle and Cowlitz Rivers, Washington, from a hypothetical failure of Castle Lake blockage.

Lowell, S. M., 1990, The K M Mountain landslide near Skamokawa.

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Peterson, G. L.; Squier, L. R.; Weatherby, D. O., 1987, Load tests for instrumented high capacity tiebacks at the Bonneville navigation lock [abstract].

Ramage, John; Roth, L. H., 1975, I-205 Columbia River bridge foundation load test program.

Reilly, T. K., 1985, Enclosure 2—Gifford Pinchot National Forest geotechnical road location investigation guidelines.

Reilly, T. K., 1989, A method for application of geologic information in management of the Gifford Pinchot National Forest.

Sager, J. W., 1989, Bonneville Dam.

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

Tilford, N. R.; Sullivan, J. G., 1981, Lewis River hydroelectric developments.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

ENGINEERING GEOLOGY - WASTE and SEWAGE DISPOSAL

Bailey, J. S.; Rowland, P. J., 1989, Hydrogeologic characterization of a rural landfill for compliance operation and closure design.

Brown and Caldwell; Municipality of Metropolitan Seattle; TCW Associates, Inc., 1989, Geohydrology studies of the Metro section 16 Silvigrow project.

Mills, D. E.; Cordell, D. A., 1989, A hydrogeologic assessment of Cedar Hills regional landfill, King County, Washington.

Rattue, K. G.; Sagstad, S. R., 1989, Hydrogeologic evaluation of the Snohomish County regional landfill.

Sweet, Edwards and Associates, Inc., 1984, Site area F, geotechnical feasibility study—Snohomish County landfill site selection study—Phase 1-4, Geotechnical report.

Sweet, Edwards and Associates, Inc., 1986, Cedar Hills regional landfill—Phase 2—Site development plan; Existing area report.

Sweet, Edwards and Associates, Inc., 1986, Final report—Geotechnical investigation, Snohomish County regional landfill.

Sweet, Edwards and Associates, Inc., 1986, Island County ground water quality assessment and monitoring program—Final report.

Sweet, Edwards and Associates, Inc.; Herrera Environmental Consultants, 1987, Cedar Hills regional landfill site development plan; Task 45.0—Investigation of the feasibility of in-waste leachate head reduction; Progress report, Sept. 11, 1987.

Trotman, Kenneth, 1989, Hydrogeologic investigation of the Reichhold Chemicals, Inc., facility in Tacoma, Washington.

URS Company; Jacobs Associates; Converse Consultants; Evans-Hamilton, Inc., 1983, Metro Renton effluent transfer system, contract no. CW-F2-82; Predesign study, Phase I, Preliminary report, geotechnical.

URS/John A. Blume and Associates, 1985, Metro effluent transfer system, seismic evaluation amendment 4, task XVIII.5.

EOCENE

Cady, W. M.; Tabor, R. W., 1972, Olympic Peninsula in the light of plate tectonics [abstract].

Coleman, M. E.; Parrish, R. R., 1990, Eocene deformation in the Bridge River terrane, B.C.—Constraints on dextral movement on the Fraser fault [abstract].

Haugerud, R. A., 1989, Middle Eocene orogeny in the northern Chelan block, north Cascades Range—Gravitational collapse of the Cretaceous orogen? [abstract].

Hurlow, H. A.; Nelson, B. K., 1991, Late Cretaceous–Eocene dextral transpression in the North Cascades metamorphic core, Washington—Structural styles, U-Pb chronologic constraints, and relation to plate motions [abstract].

Johnson, S. Y., 1985, Stratigraphy and sedimentology of the Eocene Chuckanut Formation on Bellingham Bay, Washington.

Ryberg, P. T., 1989, Paleocene to early Eocene depositional systems along a tectonically active continental margin, southwestern Oregon [abstract].

Smith, J. G., 1989, Geologic map of upper Eocene to Holocene volcanic and related rocks in the Cascade Range, Washington.

Thorkelson, D. J., 1989, Eocene sedimentation and volcanism in the Fig Lake graben, southwestern British Columbia.

Wernicke, B. P.; Christiansen, R. L.; England, P. C.; Sonder, L. J., 1987, Tectonomagmatic evolution of Cenozoic extension in the North American Cordillera.

Erosion, *see*
ENGINEERING GEOLOGY - SHORELINE EROSION
FOREST SOILS AND SLOPE STABILITY
LANDSLIDES AND SLOPE STABILITY

Estuaries, *see* PACIFIC COAST

Everett, Wash., *see* SNOHOMISH CO., WASH.

Explorer Ridge, *see* JUAN DE FUCA RIDGE - EXPLORER RIDGE

Fission-track dating, *see* GEOCHRONOLOGY - FISSION-TRACK DATING

FOREST SOILS AND SLOPE STABILITY

Benda, L. E., 1985, Behavior and effect of debris flows on streams in the Oregon Coast Range.

Benda, L. E.; Cundy, T. W., 1990, Predicting deposition of debris flows in mountain channels.

Benda, L. E.; Dunne, Thomas, 1987, Sediment routing by debris flow.

Benda, L. E.; Dunne, Thomas, 1988, Variation of channel morphology controlled by the frequency and magnitude of mass wasting [abstract].

Brunengo, M. J., 1990, A method of modeling the frequency characteristics of daily snow amount, for stochastic simulation of rain-on-snowmelt events.

Buchanan, Peter; Savigny, K. W., 1990, Factors controlling debris avalanche initiation.

Buchanan, Peter; Savigny, K. W.; De Vries, J., 1990, A method for modeling water tables at debris avalanche headscarps.

Dietrich, W. E., 1982, Construction of sediment budgets for drainage basins.

Duncan, S. H., 1989, Slope stability analysis in timber harvest planning, Smith Creek, Pacific County, Washington.

Eide, Jerry, 1990, A 48-year sediment budget (1942-1989) for Deer Creek basin, Washington.

Gowan, M. E., 1989, Slope failures and channelized debris flows—The effect of geology, hydrology or man? [abstract].*

Howes, D. E., 1987, A terrain evaluation method for predicting terrain susceptible to post-logging landslide activity—A case study from the southern Coast Mountains of British Columbia.*

Johnson, A. C., 1991, Effects of landslide–dam-break floods on channel morphology.

Koler, T. E.; Neal, K. G., 1989, Chestershire and backdrop timber sales—Case histories of the practice of engineering geology in the Olympic National Forest.

Logan, R. L., 1989, Slope stability and rural land management—The Marblemount landslide case history.

MacDonald, Anne; Ritland, K. W., 1989, Sediment dynamics in type 4 and 5 waters—A review and synthesis.

Madej, M. A., 1982, Sediment transport and channel changes in an aggrading stream in the Puget Lowland, Washington.

Miller, D. J.; Parks, D. S., 1990, The use of refraction seismology in the characterization of bedrock morphology under a forest soils horizon [abstract].

Montgomery, D. R.; Dietrich, W. E., 1988, Where do channels begin?

Orme, A. R., 1989, The nature and rate of alluvial fan aggradation in a humid temperate environment, northwest Washington.

Orme, A. R., 1990, Recurrence of debris production under coniferous forest, Cascade foothills, northwest United States.

Perkins, S. J., 1989, Interactions of landslide-supplied sediment with channel morphology in forested watersheds.

Purser, M. D., 1988, The impact of clearcut logging with high-lead yarding on spatial distribution and variability of infiltration capacities on a forest hillslope.

Reilly, T. K., 1985, Enclosure 2—Gifford Pinchot National Forest geotechnical road location investigation guidelines.

Reilly, T. K., 1985, Geotechnical group developments and activities—Gifford Pinchot National Forest, Region 6.

Reilly, T. K., 1985, Landslide considerations in project design.

Reneau, S. L., 1988, Depositional and erosional history of hollows—Application to landslide location and frequency, long-term erosion rates, and the effects of climatic change.

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Reneau, S. L.; Dietrich, W. E.; Rubin, Meyer; Donahue, D. J.; Jull, A. J. T., 1989, Analysis of hillslope erosion rates using dated colluvial deposits.

Sugden, B. D.; Cundy, T. W., 1990, Characterization of soils in a forested hollow in the Cascade mountains, Washington State [abstract].

Swanson, F. J.; Benda, L. E.; Duncan, S. H.; Grant, G. E.; Megahan, W. F.; Reid, L. M.; Ziemer, R. R., 1987, Mass failures and other processes of sediment production in Pacific Northwest forest landscapes.

Swanston, D. N.; Lienkaemper, G. W.; Mersereau, R. C.; Levno, A. B., 1988, Timber harvest and progressive deformation of slopes in southwestern Oregon.

Wiberg, E. J., 1990, The probability distribution of snowmelt in clearcuts from a rain-on-snow event in the central Cascades of Washington.

Fraser Lowland and Fraser River Delta, see BRITISH COLUMBIA – FRASER LOWLAND and FRASER RIVER DELTA, B.C.

GEOCHRONOLOGY – AMINO ACID DATING

Lajoie, K. R., 1988, Coastal tectonics in the Pacific Northwest.

Geochronology – Argon-argon dating, *see* GEOCHRONOLOGY – POTASSIUM-ARGON and ARGON-ARGON DATING

GEOCHRONOLOGY – BRITISH COLUMBIA

Armstrong, R. L.; Muller, J. E.; Harakal, J. E.; Muehlenbachs, K., 1985, The Neogene Alert Bay volcanic belt of northern Vancouver Island, Canada—Descending-plate-edge volcanism in the arc-trench gap.

Berger, G. W.; Luternauer, J. L.; Clague, J. J., 1990, Zeroing tests and application of thermoluminescence dating to Fraser River delta sediments.*

Blaise, Bertrand; Clague, J. J.; Mathewes, R. W., 1990, Time of maximum late Wisconsin glaciation, west coast of Canada.

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.

Maxon, J. A., 1991, $^{40}Ar/^{39}Ar$ evidence for the timing and tectonics of basin closure—Tyaughton basin, southwest British Columbia [abstract].

Mothersill, J. S., 1987, The use of paleomagnetic logs in determining the postglacial history of Vancouver Island [abstract].

Mothersill, J. S., 1989, Paleomagnetic dating of postglacial sediments, Vancouver Island, Canada.

Mothersill, J. S., 1990, The paleomagnetic and tephra record of Mara Lake, south-central British Columbia [abstract].

Parrish, R. R., 1982, Application of fission track dating to the Cenozoic tectonic and thermal history of the Coast Mountains of British Columbia, southwest Canada [abstract].

Van der Heyden, Peter; Woodworth, G. J., 1988, Tectonic evolution of the coast plutonic complex, British Columbia—Implications of new U-Pb and K-Ar dates [abstract].

Williams, H. F. L.; D'Auria, John, 1991, A Mazama tephra marker bed in the Fraser Lowland, British Columbia.

GEOCHRONOLOGY – CALIFORNIA

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Berger, G. W.; Burke, R. M.; Carver, G. A.; Easterbrook, D. J., 1988, Thermoluminescence analyses and paleomagnetic signatures—Techniques for establishing numerical age estimates on tectonically deformed marine terraces, northern California [abstract].

Berger, G. W.; Easterbrook, D. J., 1988, Dating marine terrace deformation north of the Mendocino triple junction.*

Burke, R. M.; Carver, G. A., 1989, The degree of soil development from buried soils formed in fault-generated colluviums reflect interseismic time, northern California [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia Subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Jacoby, G. C.; Sheppard, P. R.; Carver, G. A., 1989, Dating of earthquake-induced landslides using tree-ring analysis [abstract].

GEOCHRONOLOGY – DENDROCHRONOLOGY

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Jacoby, G. C.; Sheppard, P. R.; Carver, G. A., 1989, Dating of earthquake-induced landslides using tree-ring analysis [abstract].

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

Yamaguchi, D. K.; Hoblitt, R. P.; Lawrence, D. B., 1990, A new tree-ring date for the "floating island" lava flow, Mount St. Helens, Washington.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring evidence for synchronous rapid submergence of the southwestern Washington coast 300 years B.P. [abstract].

GEOCHRONOLOGY – FISSION-TRACK DATING

Parrish, R. R., 1982, Application of fission track dating to the Cenozoic tectonic and thermal history of the Coast Mountains of British Columbia, southwest Canada [abstract].

Roden, M. K.; Brandon, M. T., 1990, Apatite fission-track thermochronology of the Olympic subduction complex, Washington [abstract].

Vance, J. A., 1989, Detrital kyanite and zircon—Provenance and sediment dispersal in the middle and late Eocene Puget and Cowlitz Groups, SW Washington and NW Oregon [abstract].

GEOCHRONOLOGY – OFFSHORE AREAS

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.

Goldstein, S. J.; Murrell, M. T.; Janecky, D. R., 1989, Dating young MORB from Juan de Fuca and Gorda Ridges by ^{238}U-^{230}Th disequilibrium [abstract].

Karsten, J. L.; Gillot, P.-Y.; Valladas, G., 1990, Thermoluminescence and K-Ar dating of Juan de Fuca MORB [abstract].

GEOCHRONOLOGY – OREGON

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia Subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Sherrod, D. R.; Pickthorn, L. B. G., 1989, Some notes on the Neogene structural evolution of the Cascade Range in Oregon.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

GEOCHRONOLOGY – PALEOMAGNETIC DATING

Mothersill, J. S., 1989, Paleomagnetic dating of postglacial sediments, Vancouver Island, Canada.

GEOCHRONOLOGY – POTASSIUM-ARGON DATING and ARGON-ARGON DATING

Armstrong, R. L.; Muller, J. E.; Harakal, J. E.; Muehlenbachs, K., 1985, The Neogene Alert Bay volcanic belt of northern Vancouver Island, Canada—Descending-plate-edge volcanism in the arc-trench gap.

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.

Karsten, J. L.; Gillot, P.-Y.; Valladas, G., 1990, Thermoluminescence and K-Ar dating of Juan de Fuca MORB [abstract].

Korosec, M. A., 1989, New K-Ar age dates, geochemistry, and stratigraphic data for the Indian Heaven Quaternary volcanic field, south Cascade Range, Washington.

Maxon, J. A., 1991, $^{40}Ar/^{39}Ar$ evidence for the timing and tectonics of basin closure—Tyaughton basin, southwest British Columbia [abstract].

Sherrod, D. R.; Pickthorn, L. B. G., 1989, Some notes on the Neogene structural evolution of the Cascade Range in Oregon.

Van der Heyden, Peter; Woodworth, G. J., 1988, Tectonic evolution of the coast plutonic complex, British Columbia—Implications of new U-Pb and K-Ar dates [abstract].

GEOCHRONOLOGY – RADIOCARBON DATING

Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.

Atwater, B. F., 1990, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1990, Holocene paleoseismology of coastal Washington State.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Blaise, Bertrand; Clague, J. J.; Mathewes, R. W., 1990, Time of maximum late Wisconsin glaciation, west coast of Canada.

Bucknam, R. C., 1991, Puget Sound paleoseismicity.*

Burke, R. M.; Carver, G. A., 1989, The degree of soil development from buried soils formed in fault-generated colluviums reflect interseismic time, northern California [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Davis, P. T., 1989, Basal radiocarbon ages—A comment.

Easterbrook, D. J., 1989, Origin of glaciomarine drift and synchroniety [sic] of lobes of the Cordilleran ice sheet [abstract].

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia Subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.

Mothersill, J. S., 1987, The use of paleomagnetic logs in determining the postglacial history of Vancouver Island [abstract].

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Reneau, S. L.; Dietrich, W. E.; Rubin, Meyer; Donahue, D. J.; Jull, A. J. T., 1989, Analysis of hillslope erosion rates using dated colluvial deposits.

Stuiver, Minze, 1969, Yale natural radiocarbon measurements IX.

GEOCHRONOLOGY – TEPHROCHRONOLOGY

Beget, J. E., 1980, Tephrochronology of late-glacial and Holocene moraines in the central north Cascade Range, Washington State [abstract].

Mothersill, J. S., 1990, The paleomagnetic and tephra record of Mara Lake, south-central British Columbia [abstract].

Williams, H. F. L.; D'Auria, John, 1991, A Mazama tephra marker bed in the Fraser Lowland, British Columbia.

GEOCHRONOLOGY – THERMOLUMINESCENCE DATING

Berger, G. W.; Burke, R. M.; Carver, G. A.; Easterbrook, D. J., 1988, Thermoluminescence analyses and paleomagnetic signatures—Techniques for establishing numerical age estimates on tectonically deformed marine terraces, northern California [abstract].

Berger, G. W.; Easterbrook, D. J., 1988, Dating marine terrace deformation north of the Mendocino triple junction.*

Berger, G. W.; Luternauer, J. L.; Clague, J. J., 1990, Zeroing tests and application of thermoluminescence dating to Fraser River delta sediments.*

Karsten, J. L.; Gillot, P.-Y.; Valladas, G., 1990, Thermoluminescence and K-Ar dating of Juan de Fuca MORB [abstract].

GEOCHRONOLOGY – URANIUM-LEAD DATING and URANIUM-THORIUM DATING

Goldstein, S. J.; Murrell, M. T.; Janecky, D. R., 1989, Dating young MORB from Juan de Fuca and Gorda Ridges by ^{238}U-^{230}Th disequilibrium [abstract].

Hurlow, H. A.; Nelson, B. K., 1991, Late Cretaceous–Eocene dextral transpression in the North Cascades metamorphic core, Washington—Structural styles, U-Pb chronologic constraints, and relation to plate motions [abstract].

Miller, R. B.; Bowring, S. A.; Hoppe, W. J., 1989, Paleocene plutonism and its tectonic implications, North Cascades, Washington.

Van der Heyden, Peter; Woodworth, G. J., 1988, Tectonic evolution of the coast plutonic complex, British Columbia—Implications of new U-Pb and K-Ar dates [abstract].

Walker, N. W.; Brown, E. H., 1990, Zircon U/Pb geochronometry of mid-Cretaceous plutonic rocks in the western crystalline core, North Cascades, Washington—Implications for timing and nature of orogenesis [abstract].

Walker, N. W.; Brown, E. H., 1991, Is the southeast Coast Plutonic Complex the consequence of accretion of the Insular superterrane? Evidence from U-Pb zircon geochronometry in the northern Washington Cascades.

GEOCHRONOLOGY – WASHINGTON – CASCADE RANGE

Bittenbender, P. E.; Walker, N. W., 1990, Constraints on timing of metamorphism, deformation, and plutonism in the Huckleberry Mountain area, North Cascades, WA [abstract].

Haugerud, R. A.; Tabor, R. W.; Stacey, J. S.; Van der Heyden, Peter, 1988, What is in the core of the North Cascades, Washington?—A new look at the structure and metamorphic history of the Skagit Gneiss of Misch (1966) [abstract].

Hurlow, H. A.; Nelson, B. K., 1991, Late Cretaceous–Eocene dextral transpression in the North Cascades metamorphic core, Washington—Structural styles, U-Pb chronologic constraints, and relation to plate motions [abstract].

Miller, R. B.; Bowring, S. A.; Hoppe, W. J., 1989, Paleocene plutonism and its tectonic implications, North Cascades, Washington.

Walker, N. W.; Brown, E. H., 1990, Zircon U/Pb geochronometry of mid-Cretaceous plutonic rocks in the western crystalline core, North Cascades, Washington—Implications for timing and nature of orogenesis [abstract].

Walker, N. W.; Brown, E. H., 1991, Is the southeast Coast Plutonic Complex the consequence of accretion of the Insular superterrane? Evidence from U-Pb zircon geochronometry in the northern Washington Cascades.

GEOCHRONOLOGY – WASHINGTON – OLYMPIC PENINSULA and PACIFIC COAST

Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.

Atwater, B. F., 1990, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1990, Holocene paleoseismology of coastal Washington State.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia Subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Lajoie, K. R., 1988, Coastal tectonics in the Pacific Northwest.

Reneau, S. L.; Dietrich, W. E.; Rubin, Meyer; Donahue, D. J.; Jull, A. J. T., 1989, Analysis of hillslope erosion rates using dated colluvial deposits.

Roden, M. K.; Brandon, M. T., 1990, Apatite fission-track thermochronology of the Olympic subduction complex, Washington [abstract].

Stuiver, Minze, 1969, Yale natural radiocarbon measurements IX.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring evidence for synchronous rapid submergence of the southwestern Washington coast 300 years B.P. [abstract].

GEOCHRONOLOGY – WASHINGTON – PUGET LOWLAND

Bucknam, R. C., 1991, Puget Sound paleoseismicity.*

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

Davis, P. T., 1989, Basal radiocarbon ages—A comment.

Easterbrook, D. J., 1989, Origin of glaciomarine drift and synchroniety [sic] of lobes of the Cordilleran ice sheet [abstract].

Easterbrook, D. J.; Roland, J. L.; Carson, R. J.; Naeser, N. D., 1988, Application of paleomagnetism, fission-track dating, and tephra correlation to lower Pleistocene sediments in the Puget Lowland, Washington.

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.

GEOCHRONOLOGY – WASHINGTON – SOUTHWESTERN (including Mount St. Helens)

Korosec, M. A., 1989, New K-Ar age dates, geochemistry, and stratigraphic data for the Indian Heaven Quaternary volcanic field, south Cascade Range, Washington.

Vance, J. A., 1989, Detrital kyanite and zircon—Provenance and sediment dispersal in the middle and late Eocene Puget and Cowlitz Groups, SW Washington and NW Oregon [abstract].

Yamaguchi, D. K.; Hoblitt, R. P.; Lawrence, D. B., 1990, A new tree-ring date for the "floating island" lava flow, Mount St. Helens, Washington.

Geodetic surveys,
see
GEOPHYSICS – GEODESY AND GEODETIC SURVEYS
STRUCTURAL GEOLOGY AND TECTONICS – STRESS AND STRAIN
and also *see* the subdivision – **GEOPHYSICS – GEODESY AND GEODETIC SURVEYS** under specific areas, e.g., **OREGON – GEOPHYSICS – GEODESY AND GEODETIC SURVEYS**

GEOGRAPHIC INFORMATION SYSTEMS

Tarr, A. C., 1988, Application of geographic information system technology to urban seismic hazards studies in the Pacific Northwest.
Tarr, A. C., 1991, Computer graphics laboratory.
Tarr, A. C.; Crane, M. P., 1988, Application of GIS technology to assessment of seismic hazards in the Pacific Northwest [abstract].

GEOLOGIC HAZARDS

see also
EARTHQUAKE-INDUCED LANDSLIDES
EARTHQUAKE-INDUCED LIQUEFACTION
EARTHQUAKES AND SEISMOLOGY
ENGINEERING GEOLOGY
FOREST SOILS AND SLOPE STABILITY
LAHARS AND MUDFLOWS
LANDSLIDES AND SLOPE STABILITY
MOUNT ST. HELENS – PLANNING, POLICY, AND GEOLOGIC HAZARDS
SEICHES
TSUNAMIS
VOLCANOES AND VOLCANIC HAZARDS
Foster, H. D., 1987, Landforms and natural hazards.
Galster, R. W., 1989, Geologic factors affecting engineering facilities—Introduction.
Hays, W. W., 1989, The international decade for natural disaster reduction (IDNDR)—An opportunity for the Pacific Northwest.
Laprade, W. T., 1989, Engineering geology in urban areas—Introduction.
Lasmanis, Raymond, 1990, Growth Management Act of 1990 and mineral resource lands.
Luternauer, J. L., 1989, Onshore/offshore geoenvironmental studies of the Fraser River delta [abstract].
McLucas and Associates, Inc., 1991, Evaluation of the topography, geology, soils, and geologic hazards of the proposed Johns Prairie mine and barge-loading facility, southeastern Mason County, Washington.
Palmer, S. P., 1989, Disaster training conference.

Geomorphology,
see
EARTHQUAKE-INDUCED LANDSLIDES
EARTHQUAKE-INDUCED LIQUEFACTION
ENGINEERING GEOLOGY – SOIL MECHANICS and ROCK MECHANICS
FOREST SOILS AND SLOPE STABILITY
GLACIAL GEOLOGY
LAHARS AND MUDFLOWS
LANDSLIDES AND SLOPE STABILITY
MIMA MOUNDS
RIVER MORPHOLOGY
SOILS

Geophysical maps, *see* **MAPS – GEOPHYSICAL**

GEOPHYSICS [GENERAL OR REGIONAL WORKS]

Green, A. G.; Clowes, R. M.; Ellis, R. M., 1990, Crustal studies across Vancouver Island and adjacent offshore margin.
Grieve, R. A. F.; Adams, John; Goodacre, A. K.; Newitt, L. R.; Teskey, D. J., 1989, The Canadian geophysical atlas [abstract].

GEOPHYSICS – ACOUSTIC SURVEYS

see also **MARINE GEOLOGY – GEOPHYSICS – ACOUSTIC SURVEYS**
Clague, J. J.; Shilts, W. W., 1989, Evidence of paleoseismicity obtained by subbottom acoustic profiling of lakes [abstract].
Clague, J. J.; Shilts, W. W.; Linden, R. H., 1989, Application of subbottom profiling to assessing seismic risk on Vancouver Island, British Columbia.
Kostaschuk, R. A.; Church, M. A.; Luternauer, J. L., 1991, Acoustic images of turbulent flow structures in Fraser River estuary, British Columbia.
Masson, D. G.; Cacchione, D. A.; Drake, D. E., 1988, Tectonic evolution of Gorda Ridge inferred from sidescan sonar images.

GEOPHYSICS – ELECTRICAL SURVEYS

Note: Includes Resistivity, Magnetotelluric, and Electromagnetic surveys
see also **MARINE GEOLOGY – GEOPHYSICS – ELECTRICAL SURVEYS**

GEOPHYSICS – ELECTRICAL SURVEYS [REGIONAL]

Bahr, Karsten; Filloux, J. H., 1989, Local Sq response functions from EMSLAB data.
Booker, J. R., 1989, Electrical structure of the Cordillera [abstract].
Booker, J. R.; Chave, A. D., 1989, Introduction to the special section on the EMSLAB–Juan de Fuca experiment.
Chave, A. D.; Filloux, J. H.; Luther, D. S.; Law, L. K., 1989, Observations of motional electromagnetic fields during EMSLAB.
Chen, J.; Dosso, H. W., 1989, EM modelling of the subducting Juan de Fuca plate region of the Pacific Northwest [abstract].
Chen, J.; Dosso, H. W.; Nienaber, W., 1989, Laboratory electromagnetic model for the EMSLAB region.
Dosso, H. W.; Nienaber, W., 1986, A laboratory electromagnetic model study of the Juan de Fuca plate region.
Dosso, H. W.; Nienaber, W.; Chen, J., 1989, Laboratory electromagnetic modelling of the subducting Juan de Fuca plate.
Keller, G. V., 1989, Electrical structure of the crust and upper mantle beneath the United States; Part 2, Survey of data and interpretation.

GEOPHYSICS – ELECTRICAL SURVEYS – BRITISH COLUMBIA

Auld, D. R.; Dosso, S. E.; Oldenburg, D. W.; Law, L. K., 1990, Monitoring of temporal change in electrical conductivity in an area with recurring large seismic events—Central Vancouver Island [abstract].
DeLaurier, J. M.; Kurtz, R. D.; Gupta, J. C., 1985, A magnetotelluric survey over the subduction zone under Vancouver Island, B.C. [abstract].
Dosso, H. W.; Chen, J.; Nienaber, W., 1990, Comparison of analogue model and field station EM responses on southern Vancouver Island.
Dosso, H. W.; Nienaber, W.; Hu, W. B., 1985, Electromagnetic modeling of coastal regions [abstract].
Gough, D. I., 1986, Magnetotelluric evidence for subduction of seafloor sediments.
Gough, D. I.; Jones, A. G.; Kurtz, R. D.; Boerner, D. E.; Craven, J. A.; McNeice, G. W.; DeLaurier, J. M., 1990, Electromagnetic investigations over the southern Cordilleran LITHOPROBE transect [abstract].
Hyndman, R. D., 1988, Dipping seismic reflectors, electrically conductive zones, and trapped water in the crust over a subducting plate.
Jones, A. G.; Kurtz, R. D.; Gupta, J. C., 1988, Magnetotelluric studies across selected key targets in Canada [abstract].

Kurtz, R. D.; DeLaurier, J. M.; Gupta, J. C., 1990, The electrical conductivity distribution beneath Vancouver Island—A region of active plate subduction.

Kurtz, R. D.; Gupta, J. C.; DeLaurier, J. M., 1985, A magnetotelluric survey over an active subduction zone [abstract].

Kurtz, R. D.; Gupta, J. C.; DeLaurier, J. M., 1987, The electrical conductivity structure in the active subduction zone beneath Vancouver Island [abstract].

Nobes, D. C.; Hamilton, T. S.; Cartwright, P., 1990, Structure of the southwestern Fraser River delta as determined from geoelectric sounding.

GEOPHYSICS – ELECTRICAL SURVEYS – CALIFORNIA

Helferty, M. G.; Booker, J. R., 1990, A three dimensional study of geoelectric structure in northern California [abstract].

GEOPHYSICS – ELECTRICAL SURVEYS – OREGON

Bisdorf, R. J., 1985, Schlumberger sounding results over the Newberry Volcano area, Oregon.

Chave, A. D.; Thomson, D. J., 1989, Some comments on magnetotelluric response function estimation.

Curtis, J. H.; Jiracek, G. R.; Stevens, J. L.; Barker, Terry, 1987, Two-dimensional inverse modeling of land EMSLAB magnetotelluric data [abstract].

EMSLAB Group, 1988, The EMSLAB electromagnetic sounding experiment.

Fitterman, D. V.; Neev, D. K., 1985, Transient sounding investigation of Newberry Volcano, Oregon.

Fitterman, D. V.; Stanley, W. D.; Bisdorf, R. J., 1988, Electrical structure of Newberry Volcano, Oregon.

Gough, D. I.; McKirdy, D. M.; Woods, D. V.; Geiger, H. D., 1989, Conductive structures and tectonics beneath the EMSLAB land array.

Hermance, J. F.; Lusi, S.; Slocum, W.; Neumann, G. A.; Green, A. W., Jr.; Stanley, W. D.; Jones, A. G.; Filloux, J. H.; Law, L. K.; Auld, D.R.; Booker, J. R., 1987, Tectonic implications of a generalized 2-D inversion of magnetotelluric and magnetic variation data for an east-west transect across the Oregon Coast Range and High Cascades [abstract].

Jiracek, G. R.; Curtis, J. H.; Ramirez, Jorge; Martinez, Mario; Romo, Jose, 1989, Two-dimensional magnetotelluric inversion of the EMSLAB Lincoln Line.

Jones, A. G.; Chave, A. D.; Egbert, G. D.; Auld, D. R.; Bahr, Karsten, 1989, A comparison of techniques for magnetotelluric response function estimation.

Livelybrooks, D. W.; Clingman, W. W.; Rygh, J. T.; Urquhart, S. A.; Waff, H. S., 1989, A magnetotelluric study of the High Cascades graben in central Oregon.

Neumann, G. A.; Hermance, J. F., 1989, The deep crustal structure of the Oregon Cascades—Electromagnetic constraints [abstract].

Rygh, J. T.; Livelybrooks, D. W.; Urquhart, S. A.; Waff, H. S.; Clingman, W. W., 1986, A magnetotelluric study of the High Cascades graben, Oregon [abstract].

Shoemaker, C. L.; Shoham, Yoram; Hockey, R. L., 1989, Calibration case study of natural source electromagnetic array data recorded over a well in Oregon.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Sternberg, B. K.; Washburne, J. C.; Pellerin, Louise, 1988, Correction for the static shift in magnetotellurics using transient electromagnetic soundings.

Urquhart, S. A.; Waff, H. S.; Rygh, J. T.; Clingman, W. W.; Livelybrooks, D. W., 1986, A magnetotelluric investigation of the Newberry Volcano, Oregon [abstract].

Waff, H. S.; Rygh, J. T.; Livelybrooks, D. W.; Clingman, W. W., 1988, Results of a magnetotelluric traverse across western Oregon—Crustal resistivity structure and the subduction of the Juan de Fuca plate.

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Chave, A. D., 1989, Uncovering deep structure, fluid movement and melting in the Cascadia subduction system from geomagnetic induction measurements [abstract].

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Jiracek, G. R.; Chave, A. D.; Tarits, Pascal; Waff, H. S.; Egbert, G. D.; and others, 1989, Magnetotelluric observations across the Juan de Fuca subduction system in the EMSLAB project.

Wannamaker, P. E.; Booker, J. R.; Jones, A. G.; Chave, A. D.; Filloux, J. H.; Waff, H. S.; Law, L. K., 1989, Resistivity cross section through the Juan de Fuca subduction system and its tectonic implications.

Young, C. T.; Booker, J. R.; Fernandez, Ricardo; Jiracek, G. R.; Martinez, Mario; Rogers, J. C.; Stodt, John; Waff, H. S.; Wannamaker, P. E., 1988, Verification of five magnetotelluric systems in the mini-EMSLAB experiment.

Young, C. T.; Kitchen, M. R., 1989, A magnetotelluric transect in the Oregon Coast Range.

GEOPHYSICS – ELECTRICAL SURVEYS – WASHINGTON

EMSLAB Group, 1988, The EMSLAB electromagnetic sounding experiment.

Gough, D. I.; McKirdy, D. M.; Woods, D. V.; Geiger, H. D., 1989, Conductive structures and tectonics beneath the EMSLAB land array.

Rigby, F. A.; McEuen, R. B., 1980, Final report—Camas, Washington resistivity study.

Stanley, W. D., 1989, Comparison of geoelectrical/tectonic models for suture zones in the western U.S.A. and eastern Europe—Are black shales a possible source of high conductivities?

Stanley, W. D.; Fuis, G. S.; Mooney, W. D., 1989, Details of crustal structure in the Cascade Range and surrounding regions from seismic and magnetotelluric data.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Stanley, W. D.; Plesha, J. L., 1985, Progress report on U.S. Geological Survey—Department of Energy interagency agreement DE-A121-83MC20422-Task no. 4, Electromagnetic geophysics applied to sediment subduction and deep source gas.

GEOPHYSICS – GEODESY AND GEODETIC SURVEYS

Brandon, M. T.; Davis, E. E.; Dragert, Herb; Hudson, R. D., 1987, The potential for geodetic monitoring of aseismic slip at the surface trace of the Vancouver Island subduction thrust [abstract].

Butler, R. F.; Dickinson, W. R.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Reply.

Butler, R. F.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1989, Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?*

Dragert, Herb, 1986, A summary of recent geodetic measurement of surface deformation on central Vancouver Island, British Columbia.

Dragert, Herb, 1987, The fall (and rise) of central Vancouver Island—1930-1985.

Dragert, Herb, 1989, Crustal deformation measurements on Canada's west coast—An update [abstract].

Holdahl, S. R.; Faucher, Francois; Dragert, Herb, 1987, Recent vertical crustal motion in the Pacific Northwest [abstract].

Irving, E., 1989, Towards an answer to Beck's question [abstract].

Jones, F. W.; Rogers, J. S.; Rouleau, P.; Hutchence, K.; Vigrass, L. W., 1987, Tilt measurements in western Canada.

Kluesberg, Alfred; Georgiadou, Yola; Dragert, Herb, 1988, Establishment of crustal deformation networks using GPS—A case study.

Kouba, J.; Dragert, Herb, 1989, Crustal deformation measurements by satellite techniques on Canada's west coast [abstract].

Lisowski, Michael, 1985, Geodetic strain measurements in central Vancouver Island.
Lisowski, Michael; Prescott, W. H.; Dragert, Herb; Holdahl, S. R., 1989, Results from 1986 and 1987 GPS surveys across the Strait of Juan de Fuca, Washington and British Columbia [abstract].
Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E., 1990, Crustal strain.
Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E.; Svarc, J. L., 1991, Crustal strain.
McLellan, C. D., 1974, Geodetic networks in Canada.
Miller, R. B.; Johnson, S. Y.; McDougall, J. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Comment.
Prescott, W. H.; Savage, J. C.; Lisowski, Michael; Davis, J. L.; Svarc, J. L.; Gross, W. K., 1989, Crustal strain.
Rogers, J. S.; Jones, F. W.; Dragert, Herb; Hutchence, K., 1983, Tiltmeter measurements in western Canada [abstract].
Savage, J. C.; Lisowski, Michael, 1988, Geodetic deformation measured in Washington and British Columbia.
Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.
Sbar, M. L., 1983, An explanation for contradictory geodetic strain and fault plane solution data in western North America.
Slawson, W. F.; Savage, J. C., 1978, Geodetic deformation associated with the 1946 Vancouver Island, Canada, earthquake [abstract].
Vincent, Paul, 1989, Geodetic deformation of the southern Cascadia margin.
Vincent, Paul; Richards, M. A.; Weldon, R. J., II, 1990, Vertical deformation of the Oregon Cascadia margin [abstract].*
Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

GEOPHYSICS – GRAVITY SURVEYS

see also MARINE GEOLOGY – GEOPHYSICS – GRAVITY SURVEYS

GEOPHYSICS – GRAVITY SURVEYS [REGIONAL]

Jachens, R. C.; Simpson, R. W.; Blakely, R. J.; Saltus, R. W., 1989, Isostatic residual gravity and crustal geology of the United States.
Kane, M. F.; Godson, R. H., 1989, A crust/mantle structural framework of the conterminous United States based on gravity and magnetic trends.

GEOPHYSICS – GRAVITY SURVEYS – BRITISH COLUMBIA

Dragert, Herb, 1986, A summary of recent geodetic measurement of surface deformation on central Vancouver Island, British Columbia.
Dragert, Herb; Lambert, A.; Liard, J., 1981, Repeated precise gravity measurements on Vancouver Island, British Columbia.*
Gibb, R. A.; Boyd, J. B., 1989, National gravity survey program, 1988-89.*
Goodacre, A. K.; Grieve, R. A. F.; Halpenny, J. F.; Warren, L. A., 1988, Gravity maps—Canadian geophysical atlas [abstract].
McConnell, R. K., 1988, Decade of North American geology (DNAG) gravity map of North America [abstract].
Sobczak, L. W.; Halpenny, J. F.; Thomas, M. D., 1989, An enhanced residual isostatic anomaly map of Canada—A new perspective for crustal investigations [abstract].

GEOPHYSICS – GRAVITY SURVEYS – OREGON

Alemi, M. A., 1978, A gravity survey of Coos Bay, Oregon.
Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.
Beeson, P. T.; Johnson, A. G., 1990, Gravity of the greater Portland area [abstract].
Blackwell, D. D.; Steele, J. L.; Frohme, M. K.; Murphey, C. F.; Priest, G. R.; Black, G. L., 1990, Heat flow in the Oregon Cascade Range and its correlation with regional gravity, Curie point depths, and geology.*
Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.*
Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].
Bruemmer, J. L., 1964, Gravity models for peridotite injection and local metamorphism along north-northeast-trending zones of tectonism, southwest Oregon.
Couch, R. W.; Foote, R. W., 1985, The Shukash and Lapine basins—Pleistocene depressions in the Cascade Range of central Oregon [abstract].
Davis, S. A., 1988, An analysis of the eastern margin of the Portland basin using gravity surveys.
Gettings, M. E.; Griscom, Andrew, 1988, Gravity model studies of Newberry Volcano, Oregon.
Johnson, A. G.; Beeson, P. T., 1989, Analysis of gravity data for the greater Portland area.*
Johnson, A. G.; Davis, S. A.; Perttu, J. C.; Titus, W. S., 1988, Analysis of gravity data in the Portland area [abstract].
Riddihough, R. P., 1985, The Roseburg–Pendleton (ROPE) lineament, Oregon [abstract].

GEOPHYSICS – GRAVITY SURVEYS – WASHINGTON

Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.
Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.*
Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].
Couch, R. W., 1968, Temporal gravity anomalies and elevation changes in the Puget Sound region of Washington.
Daneš, Z. F., 1982, An analytic method for the determination of distant terrain corrections.
Davis, S. A., 1988, An analysis of the eastern margin of the Portland basin using gravity surveys.
Finn, Carol, 1988, Structure of the Washington convergent margin, implications for other subduction zones and for continental growth processes.*
Finn, Carol, 1990, Geophysical constraints on Washington convergent margin structure.
Finn, Carol; Phillips, W. M.; Williams, D. L., 1991, Gravity anomaly and terrain maps of Washington.
Finn, Carol; Weaver, C. S.; Stanley, W. D., 1989, Relation of earthquakes and aeromagnetic anomalies to crustal structure in western Washington [abstract].
Finn, Carol; Williams, D. L., 1983, Gravity studies in the Cascade Range.
Gibb, R. A.; Boyd, J. B., 1989, National gravity survey program, 1988-89.*
Johnson, A. G.; Beeson, P. T., 1989, Analysis of gravity data for the greater Portland area.*
Lees, J. M.; VanDecar, J. C., 1989, Seismic tomography constrained by Bouguer gravity anomalies [abstract].
McConnell, R. K., 1988, Decade of North American geology (DNAG) gravity map of North America [abstract].
Palumbo, G. T. X.; Brandon, M. T., 1990, Gravity modeling of the geometry of the frontal thrust to the Late Cretaceous San Juan nappes, NW Washington State [abstract].
Sprenke, K. F., 1989, Efficient terrain corrections—A geostatistical analysis.

GEOPHYSICS – MAGNETIC SURVEYS

see also
MARINE GEOLOGY – GEOPHYSICS – MAGNETIC SURVEYS
PALEOMAGNETISM

GEOPHYSICS – MAGNETIC SURVEYS [REGIONAL]

Dods, S. D.; Teskey, D. J.; Hood, P. J., 1988, Decade of North American geology (DNAG) magnetic anomaly map of North America [abstract].

Finn, Carol, 1991, Comment and reply on "U.S. west coast revisited—An aeromagnetic perspective"; Comment.

Jachens, R. C., 1990, Notes of the discussion group on western United States—Overview.

Johnson, P. R., 1991, Comment and reply on "U.S. west coast revisited—An aeromagnetic perspective"; Reply.

Johnson, P. R.; Zietz, Isidore; Bond, K. R., 1990, U.S. west coast revisited—An aeromagnetic perspective.

Kane, M. F.; Godson, R. H., 1989, A crust/mantle structural framework of the conterminous United States based on gravity and magnetic trends.

Peddie, N. W.; Zunde, A. K., 1990, Magnetic models for the United States for 1985.

GEOPHYSICS – MAGNETIC SURVEYS – BRITISH COLUMBIA

Agarwal, A.; Dosso, H. W., 1990, A three dimensional thin sheet numerical model study of EM induction in the Vancouver Island region [abstract].

Arkani-Hamed, J.; Strangway, D. W., 1988, Interpretation of the aeromagnetic anomalies of southern Vancouver Island.

Currie, R. G.; MacFarlane, W. T., 1982, Magnetic susceptibility and aeromagnetic anomalies on southern Vancouver Island [abstract].

Dods, S. D.; Teskey, D. J.; Hood, P. J., 1988, Decade of North American geology (DNAG) magnetic anomaly map of North America [abstract].

Gilliland, J. M.; Coleborn, R. J.; Brandon, M. T., 1985, Magnetic models of the geologic structure of southern Vancouver Island near the Leech River fault [abstract].

McKirdy, D. M.; Gough, D. I.; Woods, D. V.; Geiger, H. D., 1987, Conductive structures beneath the EMSLAB land array [abstract].

Newitt, L. R.; Haines, G. V., 1990, Magnetic declination chart of Canada 1990.0.

Newitt, L. R.; Haines, G. V., 1990, Magnetic inclination chart of Canada 1990.0.

Newitt, L. R.; Haines, G. V., 1990, Total intensity chart of Canada 1990.0.

Nienaber, W.; Hibbs, R. D.; Dosso, H. W.; Law, L. K., 1982, An estimate of the conductivity structure for the Vancouver Island region from geomagnetic results.

Ready, E. E.; Knappers, W. A.; Stone, P. E.; Teskey, D. J.; Gibb, R. A., 1988, Aeromagnetic survey program of the Geological Survey of Canada 1987-88.

Teskey, D. J.; Dods, S. D.; Hood, P. J., 1988, Magnetic anomaly map of Canada—Compilation, enhancement and interpretation [abstract].

Teskey, D. J.; Ready, E. E.; Stone, P. E.; Ellis, B.; Tod, J.; Gibb, R. A., 1989, Aeromagnetic survey program of the Geological Survey of Canada, 1988-89.

Turner, G. M., 1987, A 5000 year geomagnetic palaeosecular variation record from western Canada.

GEOPHYSICS – MAGNETIC SURVEYS – OREGON

Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].

Egbert, G. D.; Booker, J. R., 1989, Multivariate analysis of geomagnetic array data; 1. The response space.

Hermance, J. F.; Lusi, S.; Slocum, W.; Neumann, G. A.; Green, A. W., Jr., 1989, A high-density remote reference magnetic variation profile in the Pacific Northwest of North America.

Negrini, R. M.; Darke, Rick; Hoare, Brian, 1987, Climate-induced variations in the geomagnetic field—Possible supporting evidence from a Pleistocene paleomagnetic record [abstract].

Verosub, K. L.; Mehringer, P. J., Jr., 1987, Holocene geomagnetic intensity variations in western North America—The record from Fish Lake, Oregon [abstract].

GEOPHYSICS – MAGNETIC SURVEYS – WASHINGTON

Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].

Bogue, S. W.; Cowan, D. S.; Garver, J. I., 1989, Paleomagnetic evidence for poleward transport of Upper Jurassic rocks in the Decatur terrane, San Juan Islands, Washington.

Davis, W. E., 1989, Aeromagnetic interpretation of the Alpine Lakes study area and additions, Washington.

Egbert, G. D.; Booker, J. R., 1990, Geomagnetic array studies in southwestern Washington [abstract].

Finn, Carol, 1988, Structure of the Washington convergent margin, implications for other subduction zones and for continental growth processes.

Finn, Carol, 1990, Geophysical constraints on Washington convergent margin structure.

Finn, Carol; Weaver, C. S.; Stanley, W. D., 1989, Relation of earthquakes and aeromagnetic anomalies to crustal structure in western Washington [abstract].

Newitt, L. R.; Haines, G. V., 1990, Magnetic declination chart of Canada 1990.0.

Newitt, L. R.; Haines, G. V., 1990, Magnetic inclination chart of Canada 1990.0.

Newitt, L. R.; Haines, G. V., 1990, Total intensity chart of Canada 1990.0.

Stanley, W. D., 1989, Comparison of geoelectrical/tectonic models for suture zones in the western U.S.A. and eastern Europe—Are black shales a possible source of high conductivities?

GEOPHYSICS – SEISMIC SURVEYS

see also **MARINE GEOLOGY – GEOPHYSICS – SEISMIC SURVEYS**

GEOPHYSICS – SEISMIC SURVEYS [REGIONAL]

Braile, L. W.; Hinze, W. J.; Von Frese, R. R. B.; Keller, G. R., 1989, Seismic properties of the crust and uppermost mantle of the conterminous United States and adjacent Canada.

Catchings, R. D., 1989, Crustal structure and tectonics of the northwestern U.S. [abstract].

Humphreys, E. D., 1989, Tectonic activity in the western U.S.—The role of the mantle [abstract].

Iyer, H. M.; Hitchcock, T., 1989, Upper-mantle velocity structure in the continental U.S. and Canada.

Pettit, D. J., 1990, The use of seismic refraction in determining sand thickness at selected beach sites in the Pacific Northwest [abstract].

Potter, C. J., 1989, The deep structure of North American accreted terranes from deep seismic reflection data.

Potter, C. J.; Hauser, E. C., 1989, Deep seismic reflection images of the Cordillera [abstract].

Smithson, S. B.; Johnson, R. A., 1989, Crustal structure of the western U.S. based on reflection seismology.

VanDecar, J. C.; Crosson, R. S.; Creager, K. C., 1990, Deep three-dimensional velocity structure of the Cascadia subduction zone [abstract].

GEOPHYSICS – SEISMIC SURVEYS – BRITISH COLUMBIA

Berastegui, X.; Banda, E., 1990, A research note on the interpretation of seismic reflection line 1 across Vancouver Island—CCSS data set III.

Burianyk, M. J. A.; Ellis, R. M.; White, D. J.; Luertgert, J. H.; Clowes, R. M.; Spence, G. D.; Forsyth, D. A., 1990, LITHOPROBE's 1990 southern British Columbia Cordilleran refraction experiment (SCoRE '90) [abstract].

Calvert, A. J.; Clowes, R. M., 1989, The reflectivity of the accretionary complex of western Canada [abstract].

Calvert, A. J.; Clowes, R. M., 1990, Deep, high-amplitude reflections from a major shear zone above the subducting Juan de Fuca plate.

Calvert, A. J.; Clowes, R. M., 1990, Reflections from the accreted margin western Canada—Evidence for the migration of fluids and a major shear zone above the subducting plate [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, Modelling of broadband teleseismic P-waveforms to obtain the subduction geometry beneath southwestern British Columbia [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, The subduction geometry beneath southwestern British Columbia determined from teleseismic P-waveform analysis [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, Teleseismic P wave receiver function analysis in the Cascadia subduction zone [abstract].

Chiu, S. K. L.; Kanasewich, E. R.; Phadke, Suhas, 1986, Three-dimensional determination of structure and velocity by seismic tomography.

Clowes, R. M., 1984, Phase 1 LITHOPROBE—A coordinated national geoscience project.

Clowes, R. M., 1984, Transect B2—Lithospheric structure across an accretionary margin off western Canada [abstract].

Clowes, R. M., 1985, Southern Vancouver Island—Seismic reflection imaging of Wrangellia and Tertiary underthrusting [abstract].

Clowes, R. M., 1990, Structure and tectonic evolution of the westernmost Canadian Cordillera—A multidisciplinary approach [abstract].

Clowes, R. M.; Brandon, M. T.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1986, LITHOPROBE—Vancouver Island—Cenozoic subduction complex imaged by deep seismic reflections [abstract].*

Clowes, R. M.; Ellis, R. M.; Spence, G. D., 1982, VISP I—The Vancouver Island Seismic Project—Reflections from the subducting lithosphere [abstract].

Clowes, R. M.; Hyndman, R. D.; Yorath, C. J.; Davis, E. E., 1989, The structure of the western Canada subduction zone—Implications for the tectonic history of the Canadian Cordillera [abstract].

Clowes, R. M.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Brandon, M. T.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1985, LITHOPROBE – Vancouver Island—Wrangellia and Cenozoic subduction complex imaged by deep seismic reflections [abstract].

Clowes, R. M.; Spence, G. D.; Ellis, R. M.; Waldron, D. A., 1986, Structure of the lithosphere in a young subduction zone—Results from reflection and refraction studies.

Cook, F. A.; Varsek, J. L.; Clark, E. A., 1990, Proterozoic continent to ocean crustal transition and its influence on the evolution of the Canadian Cordillera [abstract].

Cook, F. A.; Varsek, J. L.; Clowes, R. M.; Spencer, C. S.; Kanasewich, E. R.; Brown, R. L.; Moore, J. M.; Parrish, R. R.; Price, R. A.; and others, 1990, LITHOPROBE crustal reflection transect of the southern Canadian cordillera [abstract].

Cumming, W. B.; Clowes, R. M.; Ellis, R. M., 1977, The southern trans-British Columbia seismic profile—A progress report [abstract].

Cumming, W. B.; Clowes, R. M.; Ellis, R. M., 1979, Crustal structure from a seismic refraction profile across southern British Columbia.

Dehler, S. A.; Clowes, R. M., 1987, Seismic refraction modelling of the Queen Charlotte fault zone [abstract].

Dehler, S. A.; Clowes, R. M., 1989, Structural models across the northern Cascadia subduction zone—An integration of geophysical data [abstract].

DeLaurier, J. M.; Kurtz, R. D.; Gupta, J. C., 1985, A magnetotelluric survey over the subduction zone under Vancouver Island, B.C. [abstract].

Drew, J. J.; Clowes, R. M., 1987, The Vancouver Island (Canada) seismic refraction experiment—Reinterpretation using constraints from LITHOPROBE reflection data [abstract].

Drew, J. J.; Clowes, R. M., 1990, A re-interpretation of the seismic structure across the active subduction zone of western Canada.

Egger, A.; Ansorge, J., 1990, Interpretation of seismic refraction data–CCSS data set I—Vancouver Island—continental margin.

Fowler, C. M. R.; Pandit, B. I., 1990, Analysis of CCSS data set I—Reflection-refraction data from the Vancouver Island continental margin of western Canada.

Gough, D. I., 1986, Magnetotelluric evidence for subduction of seafloor sediments.

Green, A. G., 1985, Phase I—Mapping deep crustal structure beneath Vancouver Island [abstract].

Green, A. G., 1988, Tectonic and magmatic underplating as deduced from seismic reflection and refraction profiling [abstract].

Green, A. G.; Berry, M. J.; Spencer, C. P.; Kanasewich, E. R.; Chiu, S.; Clowes, R. M.; Yorath, C. J.; Stewart, D. B.; Unger, J. D.; Poole, W. H., 1986, Recent seismic reflection studies in Canada.

Green, A. G.; Clowes, R. M.; Yorath, C. J.; Spencer, C.; Kanasewich, E. R.; Sutherland Brown, A.; Brandon, M. T.; Massey, N. W. D.; Hyndman, R. D., 1985, LITHOPROBE—Phase 3—Mapping of an active subduction zone [abstract].

Green, A. G.; Milkereit, Bernd; Mayrand, L. J.; Spencer, C.; Kurtz, R. D.; Clowes, R. M., 1987, LITHOPROBE seismic reflection profiling across Vancouver Island—Results from reprocessing.

Hamilton, T. S., 1991, Seismic stratigraphic evidence for the distribution and facies of thick glaciomarine deposits beneath the Strait of Georgia and adjacent fjords [abstract].

Hamilton, T. S.; Hart, B. S., 1991, The physiography, structure and growth of the Fraser Delta front—Strait of Georgia, British Columbia [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of the northern Juan de Fuca plate from multichannel seismic reflection data [abstract].

Hawthorne, R., 1990, Reprocessing Vancouver Island LITHOPROBE data.

Hunter, J. A.; Woeller, D. J.; Luternauer, J. L., 1990, Comparison of surface, borehole and seismic cone penetrometer methods of determining the shallow shear wave velocity structure in the Fraser River delta, British Columbia.

Hyndman, R. D., 1988, Dipping seismic reflectors, electrically conductive zones, and trapped water in the crust over a subducting plate.

Iwasaki, Takaya; Shimamura, Hideki, 1990, Velocity structure model determined from onshore-offshore seismic profiling across Vancouver Island and adjacent continental margin.

Jol, H. M.; Roberts, M. C., 1988, The seismic facies of a delta onlapping an offshore island—Fraser River delta, British Columbia.

Kanasewich, E. R.; Burianyk, M. J. A., 1990, Western Canadian LITHOPROBE profiles and seismicity [abstract].

Kostaschuk, R. A.; MacDonald, G. M., 1988, Multitrack surveying of large bedforms.

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Levato, L.; Alioth, D.; Olivier, R.; Wagner, J. J., 1990, Reflection seismic data from Vancouver Island processed using Geovecteur software package on a Cray supercomputer (CCSS topic III).

Luternauer, J. L., 1988, Geoarchitecture, evolution, and seismic risk assessment of the southern Fraser River delta, B.C.

Marshall, Jocelyn, 1985, LITHOPROBE maps subduction zone.

Mayrand, L. J.; Milkereit, Bernd, 1988, Automated editing and true-amplitude stacking of seismic data.

Mereu, R. F., 1990, An interpretation of CCSS data set I using the triangular block model method.

Milkereit, Bernd; Spencer, Carl; Mayrand, L. J., 1990, Migration and amplitude analysis of deep seismic reflection data—Processing results of CCSS data sets II and III.

Monger, J. W. H., 1991, Continent-ocean interactions built Vancouver's foundations.

Monger, J. W. H.; Clowes, R. M.; Currie, R. G.; Höy, Trygve; Hyndman, R. D.; Preto, V. A.; Price, R. A.; Riddihough, R. P.; Simony, P. S.; and others, 1982, Southern Canadian Cordillera—Transect B2 [abstract].

Morgan, Joanna; Warner, Mike, 1990, Interpretation of a combined refraction and reflection profile across the western Canadian active margin.

Nyland, E.; Li, Quin, 1986, Analysis of seismic instability of the Vancouver Island LITHOPROBE transect.

Phadke, Suhas, 1988, Imaging crustal diffraction zones and seismic tomography.

Phadke, Suhas; Kanasewich, E. R., 1990, Seismic tomography to obtain velocity gradients and three-dimensional structure and its application to reflection data on Vancouver Island.*

Potter, C. J., 1989, The deep structure of North American accreted terranes from deep seismic reflection data.

Pullan, S. E.; Jol, H. M.; Gagne, R. M.; Hunter, J. A., 1989, Compilation of high resolution 'optimum offset' shallow seismic reflection profiles from the southern Fraser River delta, British Columbia.

Riddihough, R. P., 1985, A symposium on the deep structure of southern Vancouver Island—Results of LITHOPROBE Phase 1—19 April 1985.

Rohr, K. M. M., 1989, Shale diapirism and thrusting in the accretionery [sic] front of Vancouver Island [abstract].

Spence, G. D., 1981, VISP 80—A seismic project to study the oceanic/continental lithosphere transition across Vancouver Is. [abstract].

Spence, G. D.; Clowes, R. M.; Ellis, R. M., 1985, Seismic structure across the active subduction zone of western Canada.*

Spence, G. D.; Ellis, R. M.; Clowes, R. M., 1982, VISP III—Ray tracing and iterative inversion of traveltimes for structure across the Juan de Fuca/America plate margin [abstract].

Thybo, Hans, 1990, Interpretation of coincident seismic reflection and refraction profiles across the active subduction zone of western Canada.

Valasek, P. A.; Finckh, P.; Demartin, M., 1990, Reprocessing of seismic reflection data recorded on Vancouver Island, BC—CCSS data set III.

Varsek, J. L.; Cook, F. A.; Clowes, R. M.; Spencer, C.; Kanasewich, E. R., 1989, LITHOPROBE reflection traverse of southern British Columbia [abstract].

Waldron, D. A.; Clowes, R. M.; White, D. J., 1990, Seismic structure of a subducting oceanic plate off western Canada.

Walters, L. K., 1987, A geological interpretation of LITHOPROBE seismic reflection profile 3, southern Vancouver Island, B.C.

Weber, M. H., 1990, Application of the Gaussian beam method to refraction data from the subduction zone beneath Vancouver Island and the North American mainland.

White, D. J.; Clowes, R. M., 1984, Seismic investigation of the Coast Plutonic Complex–Insular Belt boundary beneath the Strait of Georgia.

Wickens, A. J., 1977, The upper mantle of southern British Columbia.

Yorath, C. J.; Clowes, R. M.; Green, A. G.; Sutherland Brown, A.; Brandon, M. T.; Massey, N. W. D.; Spencer, C.; Kanasewich, E. R.; Hyndman, R. D., 1985, LITHOPROBE—Phase 1—Southern Vancouver Island—Preliminary analyses of reflection seismic profiles and surface geological studies.*

Yorath, C. J.; Green, A. G.; Clowes, R. M.; Sutherland Brown, A.; Brandon, M. T.; Kanasewich, E. R.; Hyndman, R. D.; Spencer, C. P., 1985, LITHOPROBE, southern Vancouver Island—Seismic reflection sees through Wrangellia to the Juan de Fuca plate.

Yorath, C. J.; Hyndman, R. D.; Davis, E. E.; Clowes, R. M., 1989, The northern Cascadia subduction zone at Vancouver Island—Seismic structure and tectonic history [abstract].

GEOPHYSICS – SEISMIC SURVEYS – CALIFORNIA

Benz, H. M.; Zandt, G.; Oppenheimer, D., 1990, Seismic imaging of the subduction plate and the slabless window beneath northern California [abstract].

Berge, P. A.; Stauber, D. A., 1985, Seismic refraction profile across Lassen Peak [abstract].

Niazi, Mansour; Karageorgi, Eleni, 1986, 3-D structure of the crust near Mendocino triple junction from teleseismic P-delays [abstract].

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

GEOPHYSICS – SEISMIC SURVEYS – OREGON

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Ake, Jon; Markiewicz, R. D.; Butler, David; Harrell, H. C., 1988, Impact of shallow seismic exploration on engineering decisions at Cold Springs Dam, Oregon [abstract].

Berge, P. A., 1985, Teleseismic P-wave traveltime residuals across the Cascade Range in southern Oregon.

Catchings, R. D.; Mooney, W. D., 1988, Crustal structure of east central Oregon—Relation between Newberry Volcano and regional crustal structure.

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Cotton, J. A.; Catchings, R. D., 1989, Data report for the 1983 U.S. Geological Survey east-central Oregon seismic refraction experiment.

Crampin, Stuart; McGonigle, Robert; Ando, Masataka, 1986, Extensive-dilatancy anisotropy beneath Mount Hood, Oregon and the effect of aspect ratio on seismic velocities through aligned cracks.

Dawson, P. B.; Stauber, D. A., 1986, Data report for a three-dimensional high-resolution P-velocity structural investigation of Newberry Volcano, Oregon, using seismic tomography.

Harris, R. A.; Iyer, H. M.; Dawson, P. B.; Berge, P. A.; Michaelson, C. A., 1989, Imaging the Juan de Fuca slab beneath southern Oregon using teleseismic residuals [abstract].

Iyer, H. M., 1985, Imaging of velocity anomalies in the crust and upper mantle in diverse volcanic environments using teleseismic waves.

Iyer, H. M.; Stauber, D. A., 1985, High-resolution imaging of three-dimensional anomalies using explosion-generated seismic waves [abstract].

Keach, R. W., II, 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Oliver, J. E.; Brown, L. D.; Kaufman, Sidney, 1989, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Potter, C. J., 1989, Eocene to present active margin tectonics, western Oregon, as revealed by deep reflection profiles [abstract].

Keach, R. W., II; Potter, C. J.; Oliver, J. E.; Brown, L. D., 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon [abstract].

Kohler, W. M.; Healy, J. H.; Wegener, S. S., 1982, Upper crustal structure of the Mount Hood, Oregon region as revealed by time term analysis.*

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1984, A seismic refraction study of the Oregon Cascades.*

Nazy, D. J., 1987, A seismic refraction study of a portion of the northeastern margin of the Tualatin Valley, Oregon.

Nelson, C. H.; Larsen, M. C.; Thor, D. R.; Wright, A. A., 1980, Sedimentary history of the floor of Crater Lake, Oregon—A restricted basin with non-channelized turbidites [abstract].

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.*

Stauber, D. A., 1984, Oregon seismic experiment.

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Stauber, D. A.; Green, S. M.; Iyer, H. M., 1988, Three-dimensional P velocity structure of the crust below Newberry Volcano, Oregon.

Stauber, D. A.; Iyer, H. M.; Mooney, W. D.; Dawson, P. B., 1985, Three-dimensional P-velocity structure of the summit caldera of Newberry Volcano, Oregon.

Trehu, A. M.; Holt, T.; Shi, J.; Nakamura, Y.; Brocher, T.; Moses, M., 1990, Preliminary results from the 1989 Oregon onshore-offshore seismic imaging experiment [abstract].*

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Weaver, C. S.; Green, S. M.; Iyer, H. M., 1982, Seismicity of Mount Hood and structure as determined from teleseismic P wave delay studies.

GEOPHYSICS – SEISMIC SURVEYS – WASHINGTON

Bor, S.-S., 1977, Scaling for seismic source spectra and energy attenuation in the Chelan region, eastern Washington.

Calvert, A. J.; Clowes, R. M., 1990, Deep, high-amplitude reflections from a major shear zone above the subducting Juan de Fuca plate.

Calvert, A. J.; Hasselgren, E. O.; Clowes, R. M., 1990, Oceanic rift propagation—A cause of crustal underplating and seamount volcanism.

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Diment, W. H., 1988, Seismicity and hydrothermal processes.

Geo-Compu-Graph, Inc., 1980, Engineering reflection seismic survey in the Cedar River groundwater basin.

Geo-Recon, Inc., 1963, Phase I, Geophysical investigation, proposed Morse Lake dam.

Gwilliam, W. J.; Stanley, W. D.; Latham, G. V.; Westhusing, J. K., 1990, Deep seismic surveys of a dormant subduction zone in the Pacific Northwest, United States [abstract].

Harding, S. T., 1989, Investigation of seismic-wave propagation for determination of crustal structure.

Harding, S. T.; Agena, W.; Nichols, D.; Lee, M., 1989, Small-boat, multi-channel, high-resolution seismic reflection survey in Puget Sound and the Strait of Juan de Fuca.

Harding, S. T.; Barnhard, T. P.; Urban, T. C., 1988, Preliminary data from the Puget Sound multichannel seismic-reflection survey.

Harding, S. T.; Urban, T. C.; Diment, W. H., 1988, Evidence of recent tectonic deformation in Puget Sound from seismic-reflection profiles [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of a young ocean basin—Intraplate deformation observed on multichannel reflection profiles [abstract].

Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].

King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.

Lankston, R. W.; Lankston, M. M.; West, L. M., 1985, Seismic reflection profiling in the Cedar River basin, western Washington.

Miller, D. J.; Parks, D. S., 1990, The use of refraction seismology in the characterization of bedrock morphology under a forest soils horizon [abstract].

Monger, J. W. H., 1991, Continent-ocean interactions built Vancouver's foundations.

Nyland, E.; Li, Quin, 1986, Analysis of seismic instability of the Vancouver Island LITHOPROBE transect.

Peterson, C. D.; Phipps, J. B., 1987, Seismic stratigraphy of the Holocene transgressive sequence in Grays Harbor, Washington, a shelf-barrier–estuarine transect from an active-margin coast [abstract].

Potter, C. J.; Prussen, E. I.; Yoos, T. R.; Sanford, W. E.; Keach, R. W., II; Thigpen, J. L.; Oliver, J. E., 1986, Deep seismic reflection traverse of the North American Cordillera at latitude 49 degrees N [abstract].

Prussen, E. I.; Potter, C. J.; Oliver, J. E.; Brown, L. D., 1988, Variations in the reflection Moho from a mountain belt interior to the craton...the COCORP NW U.S. transect—WA, ID, and MT [abstract].

Sanford, W. E., 1986, Detailed three-dimensional structure of the deep crust in the U.S. Cordillera in north-central Washington based on COCORP data.

Sanford, W. E.; Potter, C. J.; Oliver, J. E., 1988, Detailed three-dimensional structure of the deep crust based on COCORP data in the Cordilleran interior, north-central Washington.

Schwarz, S. D.; McLucas, G. B., 1988, Detection of destressed rock and potential collapse features above old mine workings by the seismic refraction method.

Shannon and Wilson, Inc., 1976, Cedar Falls project—Seismic refraction line no. 1, Preliminary results and recommended confirmation drilling program.

Shannon and Wilson, Inc., 1979, Cedar Falls project, seismic refraction line no. 2—Letter report.

Stanley, W. D.; Fuis, G. S.; Mooney, W. D., 1989, Details of crustal structure in the Cascade Range and surrounding regions from seismic and magnetotelluric data.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.*

Tinsley, J. C., 1989, Quaternary framework for earthquake studies, Los Angeles, California.

VanDecar, J. C.; Crosson, R. S., 1987, Automated determination of teleseismic relative phase arrival times using multichannel cross-correlation and least squares [abstract].

Williams, Sara, 1986, Handbook for geophysical survey operators for Washington's offshore and inland marine waters.

GEOPHYSICS – THEMATIC MAPPER SURVEYS

Gower, J. F. R., 1989, Coastal studies with the thematic mapper on the west coast of Canada.

Gutmanis, J. C., 1989, Wrench faults, pull-apart basins, and volcanism in central Oregon—A new tectonic model based on image interpretation.

GEOPHYSICS – THERMAL SURVEYS

see also
GEOTHERMAL RESOURCES
MARINE GEOLOGY – GEOPHYSICS – THERMAL SURVEYS

Fournier, R. O., 1989, Maximum depths of earthquakes as an aid in evaluating convective and conductive heat fluxes from the Cascade province and adjacent regions.

Lewis, T. J., 1989, Heat flux in the Canadian Cordillera—Results and interpretations [abstract].

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1989, Thermal structure of the northern (Canadian) Cascades.

Wang, C.-Y.; Shi, Yaolin; Kulm, L. D.; Langseth, M. G., 1989, Thermal constraints on fluid expulsion rate in accretionary prisms—A study of the Oregon–Washington margin [abstract].

Georgia Basin, *see* **BRITISH COLUMBIA – GEORGIA BASIN**

Georgia Strait, *see* **BRITISH COLUMBIA – STRAIT OF GEORGIA**

GEOTHERMAL RESOURCES AND HEAT FLOW

Blackwell, D. D.; Steele, J. L.; Frohme, M. K.; Murphey, C. F.; Priest, G. R.; Black, G. L., 1990, Heat flow in the Oregon Cascade Range and its correlation with regional gravity, Curie point depths, and geology.*

Bogart, L. E.; Reiddy, L. A., 1987, Importance of fault mapping to mineral/geothermal exploration—Relationship to fluid migration and ore formation—Northwest Washington.

Finn, Carol; Williams, D. L., 1983, Gravity studies in the Cascade Range.

Frank, D. G., 1986, Hydrothermal processes at Mount Rainier, Washington [abstract].

Ingebritsen, S. E.; Sherrod, D. R.; Mariner, R. H., 1989, Heat flow and hydrothermal circulation in the Cascade Range, north-central Oregon.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E., 1983, The variation in measured heat flow, Jervis Inlet, British Columbia [abstract].

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1989, Thermal structure of the northern (Canadian) Cascades.

Lewis, T. J.; Hyndman, R. D., 1981, Heat flow in Jervis Inlet, southwestern British Columbia [abstract].

Lewis, Trevor, 1985, A heat flux profile across southern Vancouver Island to the Garibaldi Volcanic Belt [abstract].

Priest, G. R., 1986, A program for scientific drilling in the Cascades, northern California, Oregon, and Washington.

Priest, G. R., 1987, Investigation of the thermal regime and geologic history of the Cascade volcanic arc—First phase of a program for scientific drilling in the Cascade Range.

Morgan, Paul; Gosnold, W. D., 1989, Heat flow and thermal regimes in the continental United States.

GLACIAL GEOLOGY [REGIONAL]

Blaise, Bertrand; Clague, J. J.; Mathewes, R. W., 1990, Time of maximum late Wisconsin glaciation, west coast of Canada.

Clague, J. J.; Easterbrook, D. J.; Hughes, O. L.; Matthews, J. V., Jr., 1988, Was there an ice sheet in the Canadian Cordillera during the early Wisconsinan?—Reexamination of the geological record [abstract].

Colman, S. M.; Pierce, K. L., 1988, Variable records of early Wisconsinan alpine glaciation in the northwestern United States [abstract].

DeYoung, E. J.; Clark, J. A., 1990, Glacioisostatic deformation caused by the Cordilleran ice sheet as an indicator of mantle viscosity in British Columbia [abstract].

Dyke, A. S.; Prest, V. K., 1987, Late Wisconsinan and Holocene retreat of the Laurentide ice sheet.

Dyke, A. S.; Prest, V. K., 1987, Paleogeography of northern North America, 18,000-5,000 years ago.

Jackson, L. E., Jr.; Clague, J. J., 1990, Development of ideas about the Cordilleran ice sheet—One hundred and forty years of exploration and discovery [abstract].

Mathewes, R. W., 1990, Climatic conditions in the Cordillera during the last glaciation—Paleoecological evidence [abstract].

Roberts, B. L., 1989, Modeling the southern portion of the Cordilleran ice sheet [abstract].

Roberts, B. L., 1990, Insights into the growth and flow patters of the late Wisconsin Cordilleran ice sheet using an ice flow model [abstract].

Whitlock, Cathy; Thompson, R. S.; Bartlein, P. J., 1990, Climatic assessment of the last deglaciation in the Pacific Northwest as inferred from paleobotanical data [abstract].

GLACIAL GEOLOGY – BRITISH COLUMBIA

Baxter, Sonny, 1987, Unusual folding and rolling of glacio-lacustrine sediments, upper Fraser Canyon, British Columbia [abstract].

Blaise, Bertrand; Bornhold, B. D.; Conway, K. W.; Karlin, R. H., 1988, Glacial history and deep sea sedimentation in the northeast Pacific since 38,000 a BP [abstract].

Broster, B. E., 1983, Glaciotectonics as applied to earthquake engineering; A case study at Hat Creek, British Columbia [abstract].

Church, Michael; Clague, J. J., 1990, Constraints on climate during the last glaciation from the rate of Cordilleran ice sheet growth and decay [abstract].

Evans, I. S., 1990, Ice streams in the Cordilleran ice sheet, southwestern British Columbia [abstract].

Eyles, Nicholas, 1990, Cordilleran ice sheet; Fast ice flow and sedimentation in southern British Columbia [abstract].

Eyles, Nicholas; Clague, J. J., 1987, Landsliding caused by Pleistocene glacial lake ponding—An example from central British Columbia.

Fulton, R. J., 1990, Cordilleran ice sheet growth and decay (conceptual model) [abstract].

Mothersill, J. S., 1987, The use of paleomagnetic logs in determining the postglacial history of Vancouver Island [abstract].

Pelto, M. S; Higgins, Sean; Roberts, B. L., 1990, Modelling the Cordilleran ice sheet [abstract].

Ryder, J. M.; Fulton, R. J.; Clague, J. J., 1990, The Cordilleran ice sheet in southern and central British Columbia [abstract].

GLACIAL GEOLOGY – CASCADE RANGE

Beget, J. E., 1980, Tephrochronology of late-glacial and Holocene moraines in the central north Cascade Range, Washington State [abstract].

Beget, J. E., 1988, Comment on "Age of pre-Neoglacial cirque moraines in the central North American Cordillera," by P. T. Davis and G. Osborn.

Davis, P. T.; Osborn, Gerald, 1987, Age of pre-Neoglacial cirque moraines in the central North American Cordillera.*

Long, W. A., 1989, A probable sixth Leavenworth glacial substage in the Icicle–Chiwaukum Creeks area, north Cascade Range, Washington.

Long, W. A., 1989, Reinterpretation of the alpine glacial sequence in the Leavenworth area, Washington [abstract].

Porter, S. C., 1989, Some geological implications of average Quaternary glacial conditions.

GLACIAL GEOLOGY – FRASER LOWLAND–PUGET LOWLAND

Booth, D. B., 1990, Physical processes of the Puget lobe, Cordilleran ice sheet [abstract].

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

Danner, W. R., 1969, Glacial-cut groove and glacial-eroded surfaces on serpentine, Fidalgo Island, Washington [abstract].

Danner, W. R., 1969, Pleistocene stratigraphy and sedimentary structures at the southeastern side of Point Roberts, Washington [abstract].

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Easterbrook, D. J., 1989, Origin of glaciomarine drift and synchroniety [sic] of lobes of the Cordilleran ice sheet [abstract].

Easterbrook, D. J., 1990, Advance and retreat of Cordilleran ice sheets in Washington [abstract].

Galster, R. W.; Coombs, H. A., 1989, Cascade ice border dams—Geologic setting.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.
Hamilton, T. S., 1991, Seismic stratigraphic evidence for the distribution and facies of thick glaciomarine deposits beneath the Strait of Georgia and adjacent fjords [abstract].
Jones, M. A., 1991, A layered multiaquifer system in the Puget Lowland resulting from cyclic continental glaciations [abstract].
Kurtz, D. D., 1980, Stratigraphy and genesis of Early Proterozoic diamictites—North America.
Thorson, R. M., 1989, Glacio-isostatic response of the Puget Sound area, Washington.
Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

GLACIER PEAK (Snohomish Co., Wash.)

Beget, J. E., 1990, Volcanoes of Washington—Glacier Peak, Washington.

GLACIERS – SEISMIC SIGNATURES

Weaver, C. S.; Norris, R. D.; Jonientz-Trisler, Chris, 1990, Results of seismological monitoring in the Cascade Range, 1962-1989—Earthquakes, eruptions, avalanches and other curiosities.

GORDA PLATE

Phipps, J. B., 1974, Sediments and tectonics of the Gorda–Juan de Fuca plate.*
Stoddard, P. R., 1987, A kinematic model for the evolution of the Gorda plate.
Stoddard, P. R., 1991, A comparison of brittle deformation models for the Gorda plate.
Wilson, D. S., 1989, Deformation of the so-called Gorda plate.

GORDA RIDGE and GORDA RISE [GENERAL OR REGIONAL WORKS]

Clague, D. A.; Rona, P. A., 1990, Geology of the GR14 site on northern Gorda Ridge.
Dupras, Don, 1987, A thumbnail sketch—California's marine geology.
Fisk, M. R.; Howard, K. J., 1990, Geology and geophysics of Gorda Ridge.
Holmes, M. L.; Morton, J. L.; Clague, D. A.; Embley, R. W.; Cacchione, D. A.; Abbott, D. H., 1986, Morphology and mineral resources of Gorda Ridge and Blanco fracture zone, northeast Pacific Ocean [abstract].
McMurray, G. R., editor, 1990, Gorda Ridge—A seafloor spreading center in the United States' Exclusive Economic Zone.

GORDA RIDGE and GORDA RISE – EARTHQUAKES AND SEISMOLOGY

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.
Bolt, B. A.; Lomnitz, C.; McEvilly, T. V., 1968, Seismological evidence on the tectonics of central and northern California and the Mendocino escarpment.
Carver, G. A., 1988, Seismic potential of the Gorda segment of the Cascadia subduction zone [abstract].
Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].
Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].
Huang, P. Y.; Solomon, S. C., 1988, Centroid depths of mid-ocean ridge earthquakes—Dependence on spreading rate.
Johnson, D. A. L., 1987, Crustal structure and seismicity of the northern Gorda Ridge.
Jones, P. R., III, 1975, Microearthquake studies of the Blanco fracture zone and Gorda Ridge using sonobuoy arrays.
McPherson, B. C., 1989, Focal mechanisms and seismicity at the southern end of the Cascadia subduction zone [abstract].
Northrop, John, 1970, Accuracy of earthquake epicenters on the Gorda Ridge.
Northrop, John; Menard, H. W.; Duennebier, F. K., 1968, Seismic and bathymetric evidence of a fracture zone on Gorda Ridge.
Shoemaker, C. A., 1984, A relocation of earthquakes in the area of the Gorda Rise.
Solano, A.; Bibee, L. D., 1985, Seismicity of the Gorda Ridge [abstract].
Solano-Borrego, A. E., 1982, Microseismicity on the Gorda Ridge.
Solano-Borrego, A. E., 1984, Crustal structure and seismicity of the Gorda Ridge.
Stoddard, P. R.; Woods, M. T., 1990, Master event relocation of Gorda Block earthquakes—Implications for deformation.
Sverdrup, Keith; Macdonald, K. C.; Prothero, W. A.; Reid, Ian, 1977, Ocean bottom seismometer measurements of earthquakes on the Gorda Rise [abstract].

GORDA RIDGE and GORDA RISE – ESCANABA TROUGH

Abbott, D. H., 1986, Heat flow results from the Gorda Ridge.
Lyle, Mitchell; Fisk, M. R.; Abbott, D. H.; Karlin, Robert; Morton, J. L.; Holmes, M. L., 1986, High resolution studies of ridge crest magmatism—Progress based upon studies in the sediment filled Escanaba trough (Gorda Ridge) [abstract].
Vallier, T. L.; Harold, P. J.; Girdley, W. A., 1973, Provenances and dispersal patterns of turbidite sand in Escanaba trough, northeastern Pacific Ocean.
Wong, F. L., 1989, Mineralogy of sand in turbidites from Escanaba trough, northeast Pacific Ocean.

GORDA RIDGE and GORDA RISE – GEOPHYSICS

Abbott, D. H., 1986, Heat flow results from the Gorda Ridge.
Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.
Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Long-range side-scan-sonar studies of the northern California and southern Oregon EEZ [abstract].
Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Physiography of the sea-floor off northern California and southern Oregon [abstract].
Dehlinger, Peter; Couch, R. W., 1969, Synthesis of geophysical results in the Juan de Fuca and Gorda Ridge areas (northeast Pacific Ocean) [abstract].
Fox, C. G., 1990, Acoustic techniques for imaging seafloor.
Klitgord, K. D., 1974, Near-bottom geophysical surveys and their implications on the crustal generation process, sea floor spreading history of the Pacific and the geomagnetic time scale—0 to 6 M.y.b.p.*
Koryakin, Y. D., 1989, Anomalii sily tyazhesti i stroyeniye podvodnykh gor severo-vostochnoy chasti Tikhogo okeana [Gravity anomalies and structure of seamounts of the Northeast Pacific].
LaBreque, John; Cande, Steve, 1974, Tiny wiggles and paleomagnetic field behavior [abstract].
Masson, D. G.; Cacchione, D. A.; Drake, D. E., 1988, Tectonic evolution of Gorda Ridge inferred from sidescan sonar images.
Miller, K. L.; Rona, P. A., 1989, Bathymetric comparison of three mid-ocean ridge areas with slow-spreading characteristics.
Sverdrup, Keith; Macdonald, K. C.; Prothero, W. A.; Reid, Ian, 1977, Ocean bottom seismometer measurements of earthquakes on the Gorda Rise [abstract].
Thrasher, G. P., 1977, Median valley crustal structure and sea floor spreading at the Gorda Ridge, 42 degrees N latitude.
Thrasher, G. P.; Johnson, S. H., 1977, Velocity structure of the Gorda Ridge median valley at 42.3 degrees N, 127.0 degrees W [abstract].*
Vine, F. J., 1968, Proof of ocean-floor spreading? [abstract].
Wrolstad, K. H.; Johnson, S. H., 1977, Sonobuoy velocity profile from the continental shelf to the Gorda Ridge [abstract].

GORDA RIDGE and GORDA RISE – STRUCTURES AND TECTONICS

Bolt, B. A.; Lomnitz, C.; McEvilly, T. V., 1968, Seismological evidence on the tectonics of central and northern California and the Mendocino escarpment.

Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Physiography of the sea-floor off northern California and southern Oregon [abstract].

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Clague, D. A.; Holmes, M. L., 1987, Geology, petrology, and mineral potential of the Gorda Ridge.

Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].

Dehlinger, Peter; Couch, R. W., 1969, Synthesis of geophysical results in the Juan de Fuca and Gorda Ridge areas (northeast Pacific Ocean) [abstract].

Johnson, D. A. L., 1987, Crustal structure and seismicity of the northern Gorda Ridge.

Klitgord, K. D., 1974, Near-bottom geophysical surveys and their implications on the crustal generation process, sea floor spreading history of the Pacific and the geomagnetic time scale—0 to 6 M.y.b.p.*

Malahoff, Alexander, 1981, Comparison between Galapagos and Gorda spreading centers.

Masson, D. G.; Cacchione, D. A.; Drake, D. E., 1988, Tectonic evolution of Gorda Ridge inferred from sidescan sonar images.

Miller, K. L.; Rona, P. A., 1989, Bathymetric comparison of three mid-ocean ridge areas with slow-spreading characteristics.

Moore, G. W., 1970, Sea-floor spreading at the junction between Gorda Rise and Mendocino Ridge.

Morton, J. L.; Normark, W. R.; Clague, D. A.; Holmes, M. L., 1987, Fine-scale segmentation of the sedimented southern Gorda Ridge, offshore northern California [abstract].

Northrop, John; Menard, H. W.; Duennebier, F. K., 1968, Seismic and bathymetric evidence of a fracture zone on Gorda Ridge.

Odegard, M. E., 1978, Upper mantle structure of the Gorda–Juan de Fuca Ridge system [abstract].

Phipps, J. B., 1974, Sediments and tectonics of the Gorda–Juan de Fuca plate.*

Solano-Borrego, A. E., 1984, Crustal structure and seismicity of the Gorda Ridge.

Stoddard, P. R., 1989, Kinematic models of the evolution of the Gorda rise and President Jackson Seamount chain.

Stoddard, P. R., 1989, Kinematic studies—Ridge evolution, Gorda plate, and Deccan traps.

Stoddard, P. R.; Jurdy, D. M., 1987, A kinematic model for the evolution of the Gorda Rise [abstract].*

Thrasher, G. P., 1977, Median valley crustal structure and sea floor spreading at the Gorda Ridge, 42 degrees N latitude.

Thrasher, G. P.; Johnson, S. H., 1977, Velocity structure of the Gorda Ridge median valley at 42.3°N, 127.0°W [abstract].*

Vine, F. J., 1968, Proof of ocean-floor spreading? [abstract].

Wilson, D. S., 1990, Kinematics of overlapping rift propagation with cyclic rift failure.

Zervas, C. E., 1988, A finite element investigation of topographic variation at mid-ocean ridges spreading at the same rate.

Gravity surveys,
see
GEOPHYSICS – GRAVITY SURVEYS
MARINE GEOLOGY – GEOPHYSICS – GRAVITY SURVEYS
and also *see* subdivision -
GEOPHYSICS – GRAVITY SURVEYS under specific regions, e.g., **BRITISH COLUMBIA – GEOPHYSICS – GRAVITY SURVEYS**

GRAYS HARBOR (Grays Harbor Co., Wash.)

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-coast.

Hebenstreit, G. T.; Preuss, Jane, 1989, Projecting risks from a tsunami generated in the Juan de Fuca region.

Peterson, C. D.; Phipps, J. B., 1987, Seismic stratigraphy of the Holocene transgressive sequence in Grays Harbor, Washington, a shelf-barrier–estuarine transect from an active-margin coast [abstract].

Phipps, J. B.; Peterson, C. D., 1989, General submergence of Grays Harbor, Washington during the Holocene [abstract].

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Preuss, Jane; Hebenstreit, G. T., 1990, Integrated hazard assessment for a coastal community—Grays Harbor, Washington.

Urban Regional Research, 1988, Planning for risk—Comprehensive planning for tsunami hazard areas.

GRAYS HARBOR CO., WASH. – AREAL GEOLOGY

Eckerlin, R. D., 1989, Wynoochee Dam.

Kearnes, J. K., 1976, An evaluation of a method of microzonation by microseismic amplification spectra.

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Snavely, P. D., Jr.; Kvenvolden, K. A., 1989, Geology and hydrocarbon potential.

Snavely, P. D., Jr.; Kvenvolden, K. A.; and others, 1989, Preliminary evaluation of the petroleum potential of the Tertiary accretionary terrane, west side of the Olympic Peninsula, Washington.

GRAYS HARBOR CO., WASH. – EARTHQUAKES AND SEISMOLOGY [GENERAL WORKS]

Coppersmith, K. J.; Youngs, R. R., 1990, Probabilistic seismic-hazard analysis using expert opinion—An example from the Pacific Northwest.

Day, S. M.; Stevens, J. L.; Barker, T. G., 1988, Ground motion simulations for thrust earthquakes beneath western Washington; Final report.

Kearnes, J. K., 1976, An evaluation of a method of microzonation by microseismic amplification spectra.

Manfrida, J. L., 1977, Soil amplification studies using explosion impulse.

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Sherif, M. A.; Ishibashi, Isao; Kearnes, J. K., 1976, Microzonation by amplification ratio technique.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

GRAYS HARBOR CO., WASH. – EARTHQUAKES AND SEISMOLOGY – PALEOSEISMOLOGY

Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.

Atwater, B. F., 1990, Holocene paleoseismology of coastal Washington State.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

McCrory, P. A., 1991, Active margin tectonics, Pacific Northwest region.*

Phipps, J. B.; Peterson, C. D., 1989, General submergence of Grays Harbor, Washington during the Holocene [abstract].

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

GRAYS HARBOR CO., WASH. – ENGINEERING GEOLOGY (including soil mechanics)

Coppersmith, K. J.; Youngs, R. R., 1990, Probabilistic seismic-hazard analysis using expert opinion—An example from the Pacific Northwest.

Eckerlin, R. D., 1989, Wynoochee Dam.

Koler, T. E.; Neal, K. G., 1989, Chestershire and backdrop timber sales—Case histories of the practice of engineering geology in the Olympic National Forest.

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Sherif, M. A.; Ishibashi, Isao; Kearnes, J. K., 1976, Microzonation by amplification ratio technique.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

GRAYS HARBOR CO., WASH. – GEOCHRONOLOGY

Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.*

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

McCrory, P. A., 1991, Active margin tectonics, Pacific Northwest region.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

GRAYS HARBOR CO., WASH. – LANDSLIDES AND SLOPE STABILITY

Koler, T. E.; Neal, K. G., 1989, Chestershire and backdrop timber sales—Case histories of the practice of engineering geology in the Olympic National Forest.

GRAYS HARBOR CO., WASH. – MAPS – GEOLOGIC

Snavely, P. D., Jr.; Kvenvolden, K. A., 1989, Geology and hydrocarbon potential.

GRAYS HARBOR CO., WASH. – MIMA MOUNDS

Washburn, A. L., 1988, Mima mounds—An evaluation of proposed origins with special reference to the Puget Lowland.

GRAYS HARBOR CO., WASH. – NUCLEAR POWER-PLANTS (Satsop plant)

Coppersmith, K. J.; Youngs, R. R., 1990, Probabilistic seismic-hazard analysis using expert opinion—An example from the Pacific Northwest.

Day, S. M.; Stevens, J. L.; Barker, T. G., 1988, Ground motion simulations for thrust earthquakes beneath western Washington; Final report.

Kearnes, J. K., 1976, An evaluation of a method of microzonation by microseismic amplification spectra.

Manfrida, J. L., 1977, Soil amplification studies using explosion impulse.

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Sherif, M. A.; Ishibashi, Isao; Kearnes, J. K., 1976, Microzonation by amplification ratio technique.

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

Grays Harbor Co., Wash. – Soil mechanics, ***see*** **GRAYS HARBOR CO., WASH. – ENGINEERING GEOLOGY**

GRAYS HARBOR CO., WASH. – SOILS, SEDIMENTS, and STRATIGRAPHY

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Peterson, C. D.; Phipps, J. B., 1987, Seismic stratigraphy of the Holocene transgressive sequence in Grays Harbor, Washington, a shelf-barrier–estuarine transect from an active-margin coast [abstract].

GRAYS HARBOR CO., WASH. – STRUCTURAL GEOLOGY AND TECTONICS

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

Grays Harbor Co., Wash. – Subsidence and uplift, ***see*** **GRAYS HARBOR CO., WASH., WASH. – EARTHQUAKES AND SEISMOLOGY – PALEOSEISMOLOGY**

GRAYS HARBOR CO., WASH. – TSUNAMIS

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

Hebenstreit, G. T.; Preuss, Jane, 1989, Projecting risks from a tsunami generated in the Juan de Fuca region.

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Preuss, Jane; Hebenstreit, G. T., 1990, Integrated hazard assessment for a coastal community—Grays Harbor, Washington.

Urban Regional Research, 1988, Planning for risk—Comprehensive planning for tsunami hazard areas.

GUIDEBOOKS [REGIONAL WORKS]

Joseph, N. L.; and others, editors, 1989, Geologic guidebook for Washington and adjacent areas.

GUIDEBOOKS – CASCADE RANGE

Brandon, M. T., 1989, Geology of the San Juan–Cascade nappes, northwestern Cascade Range and San Juan Islands.

Brown, E. H., 1990, Geology of the Skagit crystalline core and northwest Cascades system.

Crandell, D. R.; Meier, M. F.; Mullineaux, D. R., 1965, Day 3—September 8, Paradise Park, Mount Rainier National Park.

Doukas, M. P., 1990, Road guide to volcanic deposits of Mount St. Helens and vicinity, Washington.

Evans, J. E.; Johnson, S. Y., 1989, Paleogene strike-slip basins of central Washington—Swauk Formation and Chumstick Formation.

Hammond, P. E., 1989, Guide to geology of the Cascade Range—Portland, Oregon to Seattle, Washington.

Haugerud, R. A., 1989, Geology of the metamorphic core of the North Cascades.

McGroder, M. F., 1989, Elements of the Cascades 'collisional' orogen—Introduction to a transect from the Methow Basin to the San Juan Islands, Washington.

McGroder, M. F.; Miller, R. B., 1989, Geology of the eastern North Cascades.

McGroder, M. F.; Miller, R. B.; Haugerud, R. A.; Brandon, M. T., 1989, Elements of the Cascades 'collisional' orogen—A transect from the Methow Basin to the San Juan Islands.

Muffler, L. J. P.; and others, 1989, South Cascades arc volcanism, California and southern Oregon—Red Bluff to Redding, California, July 20-26, 1989.

Stewart, R. J., 1990, Geology of the Chiwaukum region in central Washington, U.S.A.

Swanson, D. A.; and others, 1989, Cenozoic volcanism in the Cascade Range and Columbia Plateau, southern Washington and northernmost Oregon, Seattle, Washington to Portland, Oregon, July 3-8, 1989.

Swanson, D. A.; Cameron, K. A.; Evarts, R. C.; Pringle, P. T.; Vance, J. A., 1989, Excursion 1A—Cenozoic volcanism in the Cascade Range and Columbia Plateau, southern Washington and northernmost Oregon.

Tabor, R. W.; Haugerud, R. A.; Brown, E. H.; Babcock, R. S.; Miller, R. B., 1989, Accreted terranes of the North Cascades Range, Washington—Spokane to Seattle, Washington July 21-29, 1989.

GUIDEBOOKS – COLUMBIA RIVER

Galster, R. W.; Imrie, A. S.; and others, 1989, Engineering geology of major dams on the Columbia River—Puget Sound basin to northern Rocky Mountains, July 21-30, 1989.

Hanson, L. G., 1989, The Columbia Valley and Columbia River Gorge, with a discussion of Wallula Gap, by V. R. Baker.

GUIDEBOOKS – PACIFIC COAST

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

GUIDEBOOKS – PUGET LOWLAND

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Brandon, M. T., 1989, Geology of the San Juan–Cascade nappes, northwestern Cascade Range and San Juan Islands.

Crandell, D. R.; Hendricks, E. L.; Sigafoos, R. S., 1965, Day 2—September 7; Start—Chehalis, Washington; End—Mount Rainier National Park.

Crandell, D. R.; Mullineaux, D. R.; Waldron, H. H., 1965, Day 7—September 12, Seattle, Washington.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Johnson, S. Y., 1985, Stratigraphy and sedimentology of the Eocene Chuckanut Formation on Bellingham Bay, Washington.

Tsukada, Matsuo; Schlichte, Ken, 1973, Quaternary Research Center field trip, June 2, 1973.

University of Puget Sound Geology Department, 1981, Puget Group—Third annual field trip.

University of Puget Sound Geology Department, 1983, Geology of Owens Beach—Fifth annual field trip, May 14, 1983.

Whitmer, J. H., 1988, Geologic road log, Portland, Oregon to Crescent Lake, Washington via Interstate 5, Tacoma and Port Townsend.

HISTORY AND ARCHAEOLOGY

Grabert, G. F.; Larsen, C. E., 1975, Marine transgressions and cultural adaptation—Preliminary tests of an environmental model.

Heaton, T. H.; Snavely, P. D., Jr., 1985, repr. 1988, Possible tsunami along the northwestern coast of the United States inferred from Indian traditions.

Minor, Rick, 1989, The late Holocene earthquake hypothesis—Implications for southern northwest coast prehistory [abstract].

Morse, R. W., 1989, Regrading years in Seattle.

Thorsen, G. W., and Associates, 1991, Geology of the Big Creek archaeological site, (45-MS-100), Lake Cushman, Mason County, Washington.

Woodward, John; White, James; Cummings, Ronald, 1990, Paleoseismicity and the archaeological record—Areas of investigation on the northern Oregon coast.

HISTORY OF SCIENCE

Jackson, L. E., Jr.; Clague, J. J., 1990, Development of ideas about the Cordilleran ice sheet—One hundred and forty years of exploration and discovery [abstract].

Landes, Henry; Glover, S. L., 1991, Seismicity in Washington—A 1925 perspective [letter].

HOH FORMATION (Olympic Peninsula)

Orange, D. L., 1990, Criteria helpful in recognizing shear-zone and diapiric melanges—Examples from the Hoh accretionary complex, Olympic Peninsula, Washington.

Orange, D. L.; Geddes, Duncan; Moore, J. C., 1991, Integrated structural and fluid evolution of a young accretionary complex—The Hoh rock assemblage of the western Olympic Peninsula, Washington [abstract].

Snavely, P. D., Jr.; Kvenvolden, K. A., 1989, Geology and hydrocarbon potential.

Snavely, P. D., Jr.; Kvenvolden, K. A.; and others, 1989, Preliminary evaluation of the petroleum potential of the Tertiary accretionary terrane, west side of the Olympic Peninsula, Washington.

Holocene, *see* **QUATERNARY**

ISLAND CO., WASH.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Island County, Washington.

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Sweet, Edwards and Associates, Inc., 1986, Island County ground water quality assessment and monitoring program—Final report.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

JEFFERSON CO., WASH.

Applegate, J. D. R., 1989, An upper plate origin for basalt blocks in the Cenozoic subduction complex of the Olympic Mountains, northwest Washington State.

Applegate, J. D. R.; Brandon, M. T., 1989, An upper plate origin for basalt blocks in the Cenozoic subduction complex of the Olympic Mountains, northwest Washington State [abstract].

Beale, Harriet, 1990, Relative rise in sea-level during the late Holocene at six salt marshes in the Puget Basin, Washington.

Cady, W. M.; Tabor, R. W., 1972, Olympic Peninsula in the light of plate tectonics [abstract].

Dietrich, W. E., 1982, Construction of sediment budgets for drainage basins.

Einarsen, J. M., 1987, The petrography and tectonic significance of the Blue Mountain unit, Olympic Peninsula, Washington.

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Jefferson County, Washington.

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Reneau, S. L., 1988, Depositional and erosional history of hollows—Application to landslide location and frequency, long-term erosion rates, and the effects of climatic change.

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Reneau, S. L.; Dietrich, W. E.; Rubin, Meyer; Donahue, D. J.; Jull, A. J. T., 1989, Analysis of hillslope erosion rates using dated colluvial deposits.

Snavely, P. D., Jr.; Kvenvolden, K. A., 1989, Geology and hydrocarbon potential.

Snavely, P. D., Jr.; Kvenvolden, K. A.; and others, 1989, Preliminary evaluation of the petroleum potential of the Tertiary accretionary terrane, west side of the Olympic Peninsula, Washington.

Stuiver, Minze, 1969, Yale natural radiocarbon measurements IX.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

JUAN DE FUCA PLATE [REGIONAL WORKS]

Acharya, Hemendra, 1989, Comparison of seismicity rates in subduction zones and implications for Juan de Fuca plate [abstract].*

Atwater, Tanya, 1989, Plate tectonic history of the northeast Pacific and western North America.

Atwater, Tanya; Severinghaus, Jeff, 1989, Tectonic maps of the northeast Pacific.

Bahr, Karsten; Filloux, J. H., 1989, Local Sq response functions from EMSLAB data.

Benz, H. M.; Zandt, G., 1991, Lithospheric structure and seismicity of northern California—Evolution of the crustal margin with passage of the Mendocino triple junction [abstract].*

Booker, J. R.; Chave, A. D., 1989, Introduction to the special section on the EMSLAB–Juan de Fuca experiment.

Brandon, M. T.; Calderwood, A. R., 1990, High-pressure metamorphism and uplift of the Olympic subduction complex.

Calvert, A. J.; Clowes, R. M., 1990, Deep, high-amplitude reflections from a major shear zone above the subducting Juan de Fuca plate.

Calvert, A. J.; Clowes, R. M., 1990, Reflections from the accreted margin western Canada—Evidence for the migration of fluids and a major shear zone above the subducting plate [abstract].

Calvert, A. J.; Hasselgren, E. O.; Clowes, R. M., 1990, Oceanic rift propagation—A cause of crustal underplating and seamount volcanism.

Chave, A. D.; Weertman, B. R.; Booker, J. R., 1990, Application of a galvanic static distortion removal technique to EMSLAB seafloor magnetotelluric data reveals a 2-D magnetotelluric impedance tensor aligned with the relative motion of the Juan de Fuca plate [abstract].

Chen, J.; Dosso, H. W., 1989, EM modelling of the subducting Juan de Fuca plate region of the Pacific Northwest [abstract].

Chen, J.; Dosso, H. W.; Nienaber, W., 1989, Laboratory electromagnetic model for the EMSLAB region.

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Clowes, R. M., 1984, Transect B2—Lithospheric structure across an accretionary margin off western Canada [abstract].

Clowes, R. M., 1990, Structure and tectonic evolution of the westernmost Canadian Cordillera—A multidisciplinary approach [abstract].

Clowes, R. M.; Brandon, M. T.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1986, LITHOPROBE—Vancouver Island—Cenozoic subduction complex imaged by deep seismic reflections [abstract].

Clowes, R. M.; Calvert, A. J.; Hasselgren, E. O., 1989, Seismic reflections from a seamount on the Juan de Fuca plate [abstract].

Clowes, R. M.; Ellis, R. M.; Spence, G. D., 1982, VISP I—The Vancouver Island Seismic Project—Reflections from the subducting lithosphere [abstract].

Clowes, R. M.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Brandon, M. T.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1985, LITHOPROBE – Vancouver Island—Wrangellia and Cenozoic subduction complex imaged by deep seismic reflections [abstract].

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Cohee, B. P.; Somerville, P. G., 1989, Simulated strong ground motions for hypothetical M_w=8.0 earthquakes on the Cascadia plate interface [abstract].

Crosson, R. S.; Creager, K. C., 1991, Earthquake hazard investigations in the Pacific Northwest.*

Crosson, R. S.; Owens, T. J., 1989, Testing the arch model for slab geometry of the Cascadia Subduction zone in the vicinity of Puget Sound, Washington [abstract].

Crum, S. V., 1987, The mechanics of subduction zone topography—A study of age effect in the Pacific Northwest.

Davis, E. E.; Hyndman, R. D., 1989, Accretion and recent deformation of sediments along the northern Cascadia subduction zone.

Dosso, H. W.; Chen, J.; Nienaber, W., 1990, Comparison of analogue model and field station EM responses on southern Vancouver Island.

Dosso, H. W.; Nienaber, W., 1986, A laboratory electromagnetic model study of the Juan de Fuca plate region.

Dosso, H. W.; Nienaber, W.; Chen, J., 1989, Laboratory electromagnetic modelling of the subducting Juan de Fuca plate.

Dosso, H. W.; Nienaber, W.; Hu, W. B., 1985, Electromagnetic modeling of coastal regions [abstract].

Dragert, Herb; Rogers, G. C., 1988, The current potential for major earthquakes in southwest British Columbia [abstract].

Drew, J. J.; Clowes, R. M., 1990, A re-interpretation of the seismic structure across the active subduction zone of western Canada.

Duncan, R. A.; Kulm, L. D., 1989, Plate tectonic evolution of the Cascades arc–subduction complex.

Egger, A.; Ansorge, J., 1990, Interpretation of seismic refraction data–CCSS data set I—Vancouver Island—continental margin.

Fowler, C. M. R.; Pandit, B. I., 1990, Analysis of CCSS data set I—Reflection-refraction data from the Vancouver Island continental margin of western Canada.

Gabrielov, A. M.; Li, Quin; Nazer, N.; Nyland, E., 1989, A time dependent model of seismicity for a subduction zone [abstract].

Goldfinger, Chris; Appelgate, T. B., Jr.; Kulm, L. D.; Yeats, R. S., 1989, Sidescan sonar imaging of probable active faults on the Juan de Fuca plate adjacent to the central Oregon continental margin [abstract].

Goldfinger, Chris; MacKay, M. E.; Kulm, L. D.; Yeats, R. S., 1990, Neotectonics and possible segmentation of the Juan de Fuca plate and Cascadia subduction zone off central Oregon [abstract].

Gough, D. I., 1986, Magnetotelluric evidence for subduction of seafloor sediments.

Green, A. G.; Clowes, R. M.; Yorath, C. J.; Spencer, C.; Kanasewich, E. R.; Sutherland Brown, A.; Brandon, M. T.; Massey, N. W. D.; Hyndman, R. D., 1985, LITHOPROBE—Phase 3—Mapping of an active subduction zone [abstract].

Green, N. L., 1980, Spatial coexistence of two distinct magmatic associations, S.W. British Columbia—Implications for subduction zone magma genesis [abstract].

Harris, R. A.; Iyer, H. M.; Dawson, P. B.; Berge, P. A.; Michaelson, C. A., 1989, Imaging the Juan de Fuca slab beneath southern Oregon using teleseismic residuals [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of the northern Juan de Fuca plate from multichannel seismic reflection data [abstract].*

Heaton, T. H.; Kanamori, Hiroo, 1984, repr. 1988, Seismic potential associated with subduction in the northwestern United States.

Hyndman, R. D., 1987, A review of the present plate regime along the British Columbia and Washington margin [abstract].

Hyndman, R. D.; Herzer, R. H.; Riddihough, R. P., 1978, The Nootka fault zone—A new plate boundary off western Canada [abstract].

Hyndman, R. D.; Riddihough, R. P.; Herzer, R., 1979, The Nootka fault zone—A new plate boundary off western Canada.

Jones, A. G.; Kurtz, R. D.; Gupta, J. C., 1988, Magnetotelluric studies across selected key targets in Canada [abstract].

Kanamori, Hiroo, 1988, Plate motion and seismicity.

Karl, H. A.; Hampton, M. A.; Cacchione, D. A.; Drake, D. E.; Kenyon, N. H., 1988, Morphologic variation and evolutionary history of some submarine channels on the Juan de Fuca and Gorda plates [abstract].

Kulm, L. D.; Embley, R. W., 1988, Nature of the deformation front along the Oregon–Washington subduction zone.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kurtz, R. D.; Gupta, J. C.; DeLaurier, J. M., 1985, A magnetotelluric survey over an active subduction zone [abstract].

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Lee, Kiehwa, 1977, An earthquake swarm near the northern end of the Juan de Fuca plate [abstract].

Lewis, T. J., 1989, Heat flux in the Canadian Cordillera—Results and interpretations [abstract].

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1988, Subduction of the Juan de Fuca plate—Thermal consequences.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1989, Thermal structure of the northern (Canadian) Cascades.

Ma, Li, 1988, Regional tectonic stress in western Washington from focal mechanisms of crustal and subcrustal earthquakes.

Mereu, R. F., 1990, An interpretation of CCSS data set I using the triangular block model method.

Monastersky, Richard, 1987, The Juan de Fuca plate—A sticky situation.

Moran, J. E., 1986, Heat flow and the thermal evolution of Cascadia Basin.

Muller, J. E.; Armstrong, R. L.; Harakal, J. E.; Muehlenbachs, K., 1982, The Neogene Alert Bay volcanic belt of northern Vancouver Island [abstract].

Mundal, Ivar; Ukawa, Motoo; Crosson, R. S., 1990, Evidence of subducting Juan de Fuca plate in apparent velocities observed from subcrustal earthquakes [abstract].

Phipps, J. B., 1974, Sediments and tectonics of the Gorda–Juan de Fuca plate.*

Rasmussen, J. R., 1989, The seismic P-wave velocity structure of the upper mantle beneath Washington and western Oregon.

Rasmussen, J. R.; Humphreys, E. D., 1988, Tomographic image of the Juan de Fuca plate beneath Washington and western Oregon using teleseismic P-wave travel times.

Riddihough, R. P., 1985, A symposium on the deep structure of southern Vancouver Island—Results of LITHOPROBE Phase 1—19 April 1985.

Riddihough, R. P.; Hyndman, R. D., 1989, Queen Charlotte Islands margin.

Rieken, E. R.; Rohay, A. C.; Thiessen, R. L., 1991, Analysis of the Cascadia subduction zone using alignments of earthquake foci, western Washington [abstract].*

Rieken, E. R.; Thiessen, R. L., 1990, SEISPLN analysis of the Juan de Fuca plate beneath western Washington [abstract].

Rogers, G. C., 1988, An assessment of the megathrust earthquake potential of the Cascadia subduction zone.

Rogers, G. C., 1989, Geometry of the Juan de Fuca plate beneath Vancouver Island from seismicity [abstract].

Rogers, G. C.; Dragert, Herb, 1989, The current potential for major earthquakes in southwest British Columbia [abstract].

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Spence, G. D., 1981, VISP 80—A seismic project to study the oceanic/continental lithosphere transition across Vancouver Is. [abstract].

Spence, G. D.; Clowes, R. M.; Ellis, R. M., 1984, Seismic structure across the active subduction zone of western Canada [abstract].

Spence, G. D.; Ellis, R. M.; Clowes, R. M., 1982, VISP III—Ray tracing and iterative inversion of traveltimes for structure across the Juan de Fuca/America plate margin [abstract].

Spence, William, 1988, Seismicity and tectonics.

Spence, William, 1989, Stress origins and earthquake potentials in Cascadia.

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

Tillson, D. D., 1988, Computer graphical analysis of remote sensing data and some aspects of the geometry of the Juan de Fuca subducting plate, western Washington and Oregon [abstract].

Waff, H. S.; Rygh, J. T.; Livelybrooks, D. W.; Clingman, W. W., 1988, Results of a magnetotelluric traverse across western Oregon—Crustal resistivity structure and the subduction of the Juan de Fuca plate.

Waldron, D. A.; Clowes, R. M., 1982, VISP II—Structural characteristics of the subducting oceanic plate off western Canada [abstract].

Waldron, D. A.; Clowes, R. M.; White, D. J., 1990, Seismic structure of a subducting oceanic plate off western Canada.

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Jiracek, G. R.; Chave, A. D.; Tarits, Pascal; Waff, H. S.; Egbert, G. D.; and others, 1989, Magnetotelluric observations across the Juan de Fuca subduction system in the EMSLAB project.

Wannamaker, P. E.; Booker, J. R.; Jones, A. G.; Chave, A. D.; Filloux, J. H.; Waff, H. S.; Law, L. K., 1989, Resistivity cross section through the Juan de Fuca subduction system and its tectonic implications.

Weaver, C. S., 1987, Seismological constraints on the geometry of the Juan de Fuca plate [abstract].

Weaver, C. S., 1988, Geometry of the Juan de Fuca plate from seismicity and segmentation of the Cascade Range based on the distribution of volcanic vents.

Weaver, C. S., 1991, Geothermal seismotectonic studies.

Weaver, C. S.; Baker, G. E., 1988, Geometry of the Juan de Fuca plate beneath Washington and northern Oregon from seismicity.

Weaver, C. S.; Shedlock, K. M., 1989, Potential subduction, probable intraplate, and known crustal earthquake source areas in the Cascadia subduction zone.*

Wilson, D. S., 1986, Deformation of the Juan de Fuca plate near the Mendocino triple junction [abstract].

Yorath, C. J.; Green, A. G.; Clowes, R. M.; Sutherland Brown, A.; Brandon, M. T.; Kanasewich, E. R.; Hyndman, R. D.; Spencer, C. P., 1985, LITHOPROBE, southern Vancouver Island—Seismic reflection sees through Wrangellia to the Juan de Fuca plate.

JUAN DE FUCA PLATE – EXPLORER PLATE

Bebel, D. J.; Stoddard, P. R., 1990, Epicenter relocations of Explorer plate earthquakes [abstract].

JUAN DE FUCA PLATE – GORDA BLOCK

Clarke, S. H., Jr.; Carver, G. A., 1989, Late Cenozoic structure and seismic potential of the southern Cascadia subduction zone [abstract].

Stoddard, P. R.; Woods, M. T., 1989, Master event relocations of Gorda plate earthquakes [abstract].

JUAN DE FUCA RIDGE

Note: Specific materials on the Juan de Fuca Ridge are listed here. Virtually all studies of offshore areas are listed under MARINE GEOLOGY. Studies of specific areas in the Juan de Fuca Ridge are listed here, e.g., JUAN DE FUCA RIDGE – AXIAL SEAMOUNT.

JUAN DE FUCA RIDGE – AXIAL SEAMOUNT and AXIAL VOLCANO

Appelgate, T. B., Jr., 1990, Volcanic and structural morphology of the south flank of Axial volcano, Juan de Fuca Ridge—Results from a Sea MARC I side scan sonar survey.*

Crawford, W. C.; Webb, S. C.; Hildebrand, J. A., 1991, Seafloor compliance observed by long-period pressure and displacement measurements.

Embley, R. W.; Murphy, K. M.; Fox, C. G., 1990, High-resolution studies of the summit of Axial volcano.

Fox, C. G., 1988, Central Axial caldera—The site of recent vertical tectonics [abstract].

Fox, C. G., 1990, Evidence of active ground deformation on the mid-ocean ridge—Axial Seamount, Juan de Fuca Ridge, April-June 1988.

Hammond, S. R., 1990, Relationships between lava types, seafloor morphology, and the occurrence of hydrothermal venting in the ASHES vent field of Axial volcano.

Hildebrand, J. A.; Stevenson, J. M.; Hammer, P. T. C.; Zumberge, M. A.; Parker, R. L.; Fox, C. G.; Meis, P. J., 1990, A seafloor and sea surface gravity survey of Axial volcano.

Johnson, H. P.; Embley, R. W., 1990, Axial Seamount—An active ridge axis volcano on the central Juan de Fuca Ridge.

Johnson, H. P.; Holmes, M. L., 1988, Near-axis seamount formation—A detailed case history of Axial Seamount, central Juan de Fuca Ridge [abstract].

Meis, P. J., 1989, Gravity anomaly of Axial volcano—The trace of a hot spot? [abstract].

Parker, R. L.; Stevenson, J. M.; Hedlin, Catherine; Hammer, P. T. C.; Meis, P. J., 1989, Inversion of gravity measurements collected over Axial Seamount [abstract].

Stevenson, J. M.; Hammer, P. T. C.; Hildebrand, J. A.; Fox, C. G., 1988, The sea-surface and seafloor gravity field of Axial volcano, Juan de Fuca Ridge [abstract].

Tivey, M. A.; Johnson, H. P., 1988, The anomalous magnetic signature of Axial Seamount; Central Juan de Fuca Ridge [abstract].

Tivey, M. A.; Johnson, H. P., 1990, The magnetic structure of Axial Seamount, Juan de Fuca Ridge.

Van Heeswijk, Marijke, 1987, Shallow crustal structure of the caldera of Axial Seamount, Juan de Fuca Ridge.

Webb, S. C.; Hildebrand, J. A., 1988, Constraints on crustal structure beneath Axial volcano derived from long period acceleration and pressure measurements [abstract].

Zonenshain, L. P.; Kuzmin, M. I., 1988, Geology of Axial volcano, Juan de Fuca Ridge [abstract].

Zonenshain, L. P.; Kuzmin, M. I.; Bogdanov, Y. A.; Lisitsin, A. P., 1987, A catastrophic event on the Juan de Fuca spreading center at Axial Mt. (46 degrees N) [abstract].

JUAN DE FUCA RIDGE – BATHYMETRY AND TOPOGRAPHY

Appelgate, T. B., Jr., 1990, Volcanic and structural morphology of the south flank of Axial volcano, Juan de Fuca Ridge—Results from a Sea MARC I side scan sonar survey.*

Caress, D. W., 1989, Some aspects of the structure and evolution of oceanic spreading centers.

Embley, R. W.; Murphy, K. M.; Fox, C. G., 1990, High-resolution studies of the summit of Axial volcano.

Hammond, S. R., 1990, Relationships between lava types, seafloor morphology, and the occurrence of hydrothermal venting in the ASHES vent field of Axial volcano.

Herzfeld, U. C.; Stevenson, J. M.; Fox, C. G.; Hildebrand, J. A., 1990, Multivariate geostatistical analyses of gravimetric and bathymetric surveys on the southern Juan de Fuca Ridge (NE Pacific) [abstract].

Payton, W. H.; Lavin, P. M., 1987, Spatial coherence of Juan de Fuca seamount magnetic anomalies and modeled anomalies derived from bathymetry and gravity data [abstract].

Poujol, M.; Jacobson, R. S., 1988, Using inverse theory and SEABEAM bathymetry to improve seismic refraction data corrections.

Rogers, G. C.; Auld, D. R., 1985, The Juan de Fuca terrane map [abstract].

Zervas, C. E., 1988, A finite element investigation of topographic variation at mid-ocean ridges spreading at the same rate.

JUAN DE FUCA RIDGE – CLEFT SEGMENT

Embley, R. W.; Chadwick, W. W., Jr.; Fox, C. G., 1990, New evidence for volcanic eruptions on the southern Juan de Fuca Ridge during the 1980's—Implications for megaplumes and seafloor monitoring [abstract].

Embley, R. W.; Chadwick, W. W., Jr.; Perfit, M. R.; Baker, E. T., 1991, Geology of the northern Cleft segment, Juan de Fuca Ridge—Recent lava flows, seafloor spreading, and the formation of megaplumes.

Herzfeld, U. C.; Stevenson, J. M.; Fox, C. G.; Hildebrand, J. A., 1990, Multivariate geostatistical analyses of gravimetric and bathymetric surveys on the southern Juan de Fuca Ridge (NE Pacific) [abstract].

Kadko, D. C., 1990, In-situ gamma spectrometry of a warm vent fluid emanating from the north Cleft area of the southern Juan de Fuca Ridge [abstract].

Webb, S. C.; Hildebrand, J. A.; Fox, C. G.; Crawford, W. C.; Hammer, P. T. C.; Herzfeld, U. C.; McDonald, M. A.; Stevenson, J. M., 1990, Geophysical studies at the megaplume site on the southern Juan de Fuca Ridge [abstract].

JUAN DE FUCA RIDGE – COBB OFFSET AND COBB RIDGE

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.*

Dewhurst, W. T., 1988, The simultaneous inversion of vector and total field aeromagnetic data using Bayesian inference—A case study from the Cobb Offset of the Juan de Fuca Ridge.*

Payton, W. H.; Lavin, P. M., 1987, Spatial coherence of Juan de Fuca seamount magnetic anomalies and modeled anomalies derived from bathymetry and gravity data [abstract].

Shoberg, Tom; Stein, Seth; Karsten, J. L., 1989, Constraints on rift propagation history at the Cobb Offset, Juan de Fuca Ridge, from numerical modeling of tectonic fabric [abstract].

JUAN DE FUCA RIDGE – DELLWOOD KNOLLS

Riddihough, R. P.; Currie, R. G.; Davis, E. E.; Rogers, G. C.; Hyndman, R. D., 1978, The Dellwood Knolls—The link between Explorer Ridge and the Queen Charlotte fault? [abstract].

JUAN DE FUCA RIDGE – EARTHQUAKES AND SEISMOLOGY

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.

Delaney, J. R.; McDuff, R. E.; Robigou, V.; Schultz, Adam; Smith, M.; Wells, J.; Atnipp, V. A.; McClain, J. S., 1990, Covariation in microseismicity and hydrothermal output in the Endeavour vent field [abstract].

Fondrk, Joseph; McClain, J. S., 1989, Observations of microseismicity related to hydrothermal vents on the Juan de Fuca Ridge [abstract].

Hyndman, R. D.; Rogers, G. C.; Barrett, D. L., 1977, Earthquake and seismic refraction results from ocean bottom seismometers off British Columbia [abstract].

Hyndman, R. D.; Rogers, G. C.; Bone, M. N.; Lister, C. R. B.; Wade, U. S.; Barrett, D. L.; Davis, E. E.; Lewis, T.; Lynch, Steve; Seemann, D. A., 1978, Geophysical measurements in the region of the Explorer Ridge off western Canada.

Hyndman, R. D.; Weichert, D. H., 1986, Seismicity and rates of relative motion on the transform faults of the Juan de Fuca Ridge system [abstract].

Lee, Kiehwa, 1977, Earthquake swarms near the northern end of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Fondrk, Joseph, 1989, The nature of seismicity beneath the hydrothermal field of the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Fondrk, Joseph; Wright, M. A., 1991, Seismic events from an active hydrothermal/volcanic region, the Endeavour Segment of the Juan de Fuca Ridge [abstract].*

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1990, Microseismicity beneath hydrothermal vent fields—Comparisons of locations and times [abstract].*

Walker, D. A.; Hammond, S. R., 1990, Spatial and temporal distributions of T-phase source locations on the Juan de Fuca and Gorda Ridges [abstract].

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

JUAN DE FUCA RIDGE – EICKELBERG SEAMOUNT

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.*

JUAN DE FUCA RIDGE – ENDEAVOUR SEGMENT

Barone, A. M.; Ryan, W. B. F., 1988, Along-axis variations within the plate boundary zone of the southern segment of the Endeavour Ridge.

Delaney, J. R.; McDuff, R. E.; Robigou, V.; Schultz, Adam; Smith, M.; Wells, J.; Atnipp, V. A.; McClain, J. S., 1990, Covariation in microseismicity and hydrothermal output in the Endeavour vent field [abstract].

Fondrk, Joseph; McClain, J. S., 1989, Observations of microseismicity related to hydrothermal vents on the Juan de Fuca Ridge [abstract].

Holcomb, R. T.; Delaney, J. R., 1988, Post-valley volcanism along the Endeavour Ridge near 47 degrees 57 minutes N [abstract].

Hooft, E.; Rohr, K. M. M.; Davis, E. E.; Currie, R. G., 1989, A comparison of thermal subsidence curves for young Pacific and Juan de Fuca plates at the Endeavour Segment [abstract].

Levy, S.; Rohr, K. M. M., 1989, Episodic crustal structure? Evidence for short scale crustal variation in young Pacific crust [abstract].

Leybourne, M. I., 1988, Volcanism and geochemistry of parts of the Endeavour Segment of the Juan de Fuca Ridge system and associated seamounts.

McClain, J. S.; Fondrk, Joseph, 1989, The nature of seismicity beneath the hydrothermal field of the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1990, Microseismicity beneath hydrothermal vent fields—Comparisons of locations and times [abstract].*

Purdy, G. M.; Christeson, G.; Rohr, K. M. M., 1989, An on-bottom refraction profile on the eastern flank of the Endeavor Segment of the Juan de Fuca Ridge recorded using a deep towed explosive source [abstract].

Raleigh, C. B.; Barone, A. M.; Ryan, W. B. F., 1989, Along-axis magma flow driven by topographically induced hydraulic head [abstract].

Rohr, K. M. M.; Milkereit, Bernd; Yorath, C. J., 1988, Asymmetric deep crustal structure across the Juan de Fuca Ridge.

Ryall, P. J. C., 1990, An electric drill for deep-sea coring.

Ryan, W. B. F., 1986, Features and properties of the Endeavour and Explorer Ridges in common with the mid-Atlantic Ridge and East Pacific Rise [abstract].

Stakes, D. S.; Moore, W. S., 1989, Ages of hydrothermal vents on the Juan de Fuca Ridge [abstract].

Thomson, R. E.; Gordon, R. L.; Dymond, Jack, 1989, Acoustic Doppler current profiler observations of a mid-ocean ridge hydrothermal plume.

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

JUAN DE FUCA RIDGE – EXPLORER RIDGE

Botros, Mona; Johnson, H. P., 1988, Tectonic evolution of the Explorer–northern Juan de Fuca region from 8 Ma to the present.

Feeney, Tracey, 1989, The petrology, morphology and tectonics of Explorer Seamount.

Franklin, J. M.; Kappel, E. S., 1986, Compositional characteristics and volcanic setting of massive sulphide deposits on Juan de Fuca and Explorer Ridges [abstract].

Hyndman, R. D.; Rogers, G. C.; Barrett, D. L., 1977, Earthquake and seismic refraction results from ocean bottom seismometers off British Columbia [abstract].

Hyndman, R. D.; Rogers, G. C.; Bone, M. N.; Lister, C. R. B.; Wade, U. S.; Barrett, D. L.; Davis, E. E.; Lewis, T.; Lynch, Steve; Seemann, D. A., 1978, Geophysical measurements in the region of the Explorer Ridge off western Canada.

Malacek, S. J.; Clowes, R. M., 1978, Crustal structure near Explorer Ridge from a marine deep seismic sounding survey.

Riddihough, R. P., 1985, A model for the tectonic development of the Explorer Ridge and Sovanco fracture zone [abstract].

Ryan, W. B. F., 1986, Features and properties of the Endeavour and Explorer Ridges in common with the mid-Atlantic Ridge and East Pacific Rise [abstract].

JUAN DE FUCA RIDGE – GEOCHRONOLOGY

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.*

Goldstein, S. J.; Murrell, M. T.; Janecky, D. R., 1989, Dating young MORB from Juan de Fuca and Gorda Ridges by ^{238}U-^{230}Th disequilibrium [abstract].

Karsten, J. L.; Gillot, P.-Y.; Valladas, G., 1990, Thermoluminescence and K-Ar dating of Juan de Fuca MORB [abstract].

Stakes, D. S.; Moore, W. S., 1989, Ages of hydrothermal vents on the Juan de Fuca Ridge [abstract].

JUAN DE FUCA RIDGE – GEOPHYSICS [GENERAL WORKS]

Barone, A. M.; Ryan, W. B. F., 1988, Along-axis variations within the plate boundary zone of the southern segment of the Endeavour Ridge.

Carbotte, S. M.; Dixon, J. M.; Farrar, Edward; Davis, E. E.; Riddihough, R. P., 1989, Geological and geophysical characteristics of the Tuzo Wilson seamounts—Implications for plate geometry in the vicinity of the Pacific–North America–Explorer triple junction.

Davis, E. E.; Currie, R. G.; Sawyer, B. S., 1988, Seafloor mapping off western Canada [abstract].

Dehlinger, Peter; Couch, R. W., 1969, Synthesis of geophysical results in the Juan de Fuca and Gorda Ridge areas (northeast Pacific Ocean) [abstract].

JUAN DE FUCA RIDGE – GEOPHYSICS – ACOUSTIC SURVEYS

Appelgate, T. B., Jr., 1990, Volcanic and structural morphology of the south flank of Axial volcano, Juan de Fuca Ridge—Results from a Sea MARC I side scan sonar survey.*

Currie, R. G.; Davis, E. E., 1986, Acoustic imagery over the northern Juan de Fuca Ridge system [abstract].

Embley, R. W.; Murphy, K. M.; Fox, C. G., 1990, High-resolution studies of the summit of Axial volcano.

Karl, H. A.; Holmes, M. L., 1986, GLORIA II and SeaMARC II acoustic imagery of southern Juan de Fuca Ridge [abstract].

Normark, W. R.; Morton, J. L.; Saxena, N., 1990, Scaling considerations for acoustic measurement of ridge extension [abstract].

Thomson, R. E.; Gordon, R. L.; Dymond, Jack, 1989, Acoustic Doppler current profiler observations of a mid-ocean ridge hydrothermal plume.

JUAN DE FUCA RIDGE – GEOPHYSICS – ELECTRICAL SURVEYS

Chave, A. D.; Filloux, J. H.; Luther, D. S.; Law, L. K., 1989, Observations of motional electromagnetic fields during EMSLAB.

Law, L. K.; Nobes, D. C.; Edwards, R. N.; Wolfgram, P. A., 1986, Electrical soundings of the Juan de Fuca Ridge [abstract].

Nobes, D. C.; Law, L. K., 1991, Delineation of sediment-hosted sulphide mineralization, northern Juan de Fuca Ridge, using seafloor geophysics [abstract].

JUAN DE FUCA RIDGE – GEOPHYSICS – GRAVITY SURVEYS

Crawford, W. C.; Webb, S. C.; Hildebrand, J. A., 1991, Seafloor compliance observed by long-period pressure and displacement measurements.

Herzfeld, U. C.; Stevenson, J. M.; Fox, C. G.; Hildebrand, J. A., 1990, Multivariate geostatistical analyses of gravimetric and bathymetric surveys on the southern Juan de Fuca Ridge (NE Pacific) [abstract].

Hildebrand, J. A.; Stevenson, J. M.; Hammer, P. T. C.; Zumberge, M. A.; Parker, R. L.; Fox, C. G.; Meis, P. J., 1990, A seafloor and sea surface gravity survey of Axial volcano.

Holmes, M. L.; Zervas, C. E., 1989, Residual gravity anomalies on the Juan de Fuca and Gorda Ridges [abstract].

Koryakin, Y. D., 1989, Anomalii sily tyazhesti i stroyeniye podvodnykh gor severo-vostochnoy chasti Tikhogo okeana [Gravity anomalies and structure of seamounts of the Northeast Pacific].

McClain, K. J.; Lewis, B. T. R., 1982, Geophysical evidence for the absence of a crustal magma chamber under the northern Juan de Fuca Ridge—A contrast with ROSE results.

Meis, P. J., 1989, Gravity anomaly of Axial volcano—The trace of a hot spot? [abstract].

Parker, R. L.; Stevenson, J. M.; Hedlin, Catherine; Hammer, P. T. C.; Meis, P. J., 1989, Inversion of gravity measurements collected over Axial Seamount [abstract].

Payton, W. H.; Lavin, P. M., 1987, Spatial coherence of Juan de Fuca seamount magnetic anomalies and modeled anomalies derived from bathymetry and gravity data [abstract].

Stevenson, J. M.; Hammer, P. T. C.; Hildebrand, J. A.; Fox, C. G., 1988, The seasurface and seafloor gravity field of Axial volcano, Juan de Fuca Ridge [abstract].

JUAN DE FUCA RIDGE – GEOPHYSICS – GROUND DEFORMATION

Fox, C. G., 1990, Evidence of active ground deformation on the mid-ocean ridge—Axial Seamount, Juan de Fuca Ridge, April-June 1988.

JUAN DE FUCA RIDGE – GEOPHYSICS – MAGNETIC SURVEYS AND PALEOMAGNETISM

Barr, S. M., 1974, Magnetic polarities of basalts dredged from near the northern end of Juan de Fuca Ridge [abstract].

Caress, D. W., 1989, Some aspects of the structure and evolution of oceanic spreading centers.

Delaney, J. R.; Johnson, H. P.; Karsten, J. L., 1981, The Juan de Fuca Ridge—Hot spot—Propagating rift system—New tectonic, geochemical, and magnetic data.

Dewhurst, W. T., 1988, The simultaneous inversion of vector and total field aeromagnetic data using Bayesian inference—A case study from the Cobb Offset of the Juan de Fuca Ridge.*

Feeney, Tracey, 1989, The petrology, morphology and tectonics of Explorer Seamount.

Filloux, J. H.; Law, L. K.; Yukutake, T.; Segawa, J.; Hamano, Y.; Utada, H.; White, A.; Chave, A. D.; Tarits, Pascal; Green, A. W., Jr., 1989, OFFSHORE EMSLAB—Objectives, experimental phase and early results.

Johnson, H. P.; Tivey, M. A.; Botros, Mona; Pariso, J. E., 1986, Magnetic and tectonic structure of the Juan de Fuca region [abstract].

Klitgord, K. D., 1974, Near-bottom geophysical surveys and their implications on the crustal generation process, sea floor spreading history of the Pacific and the geomagnetic time scale—0 to 6 M.y.b.p.

LaBreque, John; Cande, Steve, 1974, Tiny wiggles and paleomagnetic field behavior [abstract].

Payton, W. H.; Lavin, P. M., 1987, Spatial coherence of Juan de Fuca seamount magnetic anomalies and modeled anomalies derived from bathymetry and gravity data [abstract].

Tivey, M. A.; Johnson, H. P., 1988, The anomalous magnetic signature of Axial Seamount; Central Juan de Fuca Ridge [abstract].

Tivey, M. A.; Johnson, H. P., 1990, The magnetic structure of Axial Seamount, Juan de Fuca Ridge.

Vine, F. J., 1968, Proof of ocean-floor spreading? [abstract].

JUAN DE FUCA RIDGE – GEOPHYSICS – SEISMIC SURVEYS

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.

Calvert, A. J.; Hasselgren, E. O.; Clowes, R. M., 1990, Oceanic rift propagation—A cause of crustal underplating and seamount volcanism.

Christeson, G.; Purdy, G. M.; Rohr, K. M. M., 1989, A seismic refraction experiment along the crest of the Northern Symmetric Segment of the Juan de Fuca Ridge [abstract].

Clowes, R. M., 1986, Juan de Fuca Ridge system—Structure from a seismological perspective [abstract].

Clowes, R. M.; Calvert, A. J.; Hasselgren, E. O., 1989, Seismic reflections from a seamount on the Juan de Fuca plate [abstract].

Denny, Stuart, 1988, Crustal structure of the Juan de Fuca Ridge as determined from deep towed seismic reflection profiles.

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of a young ocean basin—Intraplate deformation observed on multichannel reflection profiles [abstract].

Hyndman, R. D.; Rogers, G. C.; Barrett, D. L., 1977, Earthquake and seismic refraction results from ocean bottom seismometers off British Columbia [abstract].

Hyndman, R. D.; Rogers, G. C.; Bone, M. N.; Lister, C. R. B.; Wade, U. S.; Barrett, D. L.; Davis, E. E.; Lewis, T.; Lynch, Steve; Seemann, D. A., 1978, Geophysical measurements in the region of the Explorer Ridge off western Canada.

Malacek, S. J.; Clowes, R. M., 1978, Crustal structure near Explorer Ridge from a marine deep seismic sounding survey.

McClain, K. J.; Lewis, B. T. R., 1982, Geophysical evidence for the absence of a crustal magma chamber under the northern Juan de Fuca Ridge—A contrast with ROSE results.

Poujol, M.; Jacobson, R. S., 1988, Using inverse theory and SEABEAM bathymetry to improve seismic refraction data corrections.

Purdy, G. M.; Christeson, G.; Rohr, K. M. M., 1989, An on-bottom refraction profile on the eastern flank of the Endeavor Segment of the Juan de Fuca Ridge recorded using a deep towed explosive source [abstract].

Rohr, K. M. M.; Lewis, B. T. R., 1987, Shallow crustal reflections from the Juan de Fuca rise [abstract].

Rohr, K. M. M.; Milkereit, Bernd; Yorath, C. J., 1988, Asymmetric deep crustal structure across the Juan de Fuca Ridge.

Van Heeswijk, Marijke, 1987, Shallow crustal structure of the caldera of Axial Seamount, Juan de Fuca Ridge.

Webb, S. C.; Hildebrand, J. A.; Fox, C. G.; Crawford, W. C.; Hammer, P. T. C.; Herzfeld, U. C.; McDonald, M. A.; Stevenson, J. M., 1990, Geophysical studies at the megaplume site on the southern Juan de Fuca Ridge [abstract].

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

JUAN DE FUCA RIDGE – GEOPHYSICS – THERMAL SURVEYS

Farrar, Edward; Dixon, J. M., 1991, Ridge subduction and the thermal nature of spreading ridges [abstract].

Karsten, J. L.; Delaney, J. R., 1989, Hot spot–ridge crest convergence in the northeast Pacific.

Moran, J. E., 1986, Heat flow and the thermal evolution of Cascadia Basin.

Trivett, D. A.; Williams, A. J., III, 1990, Velocity and temperature profiles of diffuse hydrothermal flow at the southern Juan de Fuca Ridge [abstract].

JUAN DE FUCA RIDGE – HYDROTHERMAL VENTS

Baker, E. T.; Massoth, G. J., 1986, The along-strike distribution of hydrothermal activity on a spreading segment of the Juan de Fuca Ridge [abstract].

Delaney, J. R.; McDuff, R. E.; Robigou, V.; Schultz, Adam; Smith, M.; Wells, J.; Atnipp, V. A.; McClain, J. S., 1990, Covariation in microseismicity and hydrothermal output in the Endeavour vent field [abstract].

Embley, R. W.; Chadwick, W. W., Jr.; Perfit, M. R.; Baker, E. T., 1991, Geology of the northern Cleft segment, Juan de Fuca Ridge—Recent lava flows, seafloor spreading, and the formation of megaplumes.

Fondrk, Joseph; McClain, J. S., 1989, Observations of microseismicity related to hydrothermal vents on the Juan de Fuca Ridge [abstract].

Franklin, J. M.; Kappel, E. S., 1986, Compositional characteristics and volcanic setting of massive sulphide deposits on Juan de Fuca and Explorer Ridges [abstract].

Hammond, S. R., 1990, Relationships between lava types, seafloor morphology, and the occurrence of hydrothermal venting in the ASHES vent field of Axial volcano.

Kadko, D. C., 1990, In-situ gamma spectrometry of a warm vent fluid emanating from the north Cleft area of the southern Juan de Fuca Ridge [abstract].

Kappel, E. S.; Franklin, J. M., 1989, Relationships between geologic development of ridge crests and sulfide deposits in the northeast Pacific Ocean.

McClain, J. S.; Fondrk, Joseph, 1989, The nature of seismicity beneath the hydrothermal field of the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1990, Microseismicity beneath hydrothermal vent fields—Comparisons of locations and times [abstract].*

Nobes, D. C.; Law, L. K., 1991, Delineation of sediment-hosted sulphide mineralization, northern Juan de Fuca Ridge, using seafloor geophysics [abstract].

Olivarez, A. M.; Owen, R. M., 1986, Geochemical associations of the rare earth elements in a shallow core from the Juan de Fuca Ridge [abstract].

Stakes, D. S.; Moore, W. S., 1989, Ages of hydrothermal vents on the Juan de Fuca Ridge [abstract].

Thomson, R. E.; Gordon, R. L.; Dymond, Jack, 1989, Acoustic Doppler current profiler observations of a mid-ocean ridge hydrothermal plume.

Trivett, D. A.; Williams, A. J., III, 1990, Velocity and temperature profiles of diffuse hydrothermal flow at the southern Juan de Fuca Ridge [abstract].

Turner, R. J. W.; Leitch, C. H. B.; Ames, D. E.; Höy, Trygve; Franklin, J. M.; Goodfellow, W. D., 1991, Character of hydrothermal mounds and adjacent altered sediments, active hydrothermal areas, Middle Valley sedimented rift, northern Juan de Fuca Ridge, northeastern Pacific—Evidence from ALVIN push cores.

JUAN DE FUCA RIDGE – MIDDLE VALLEY

Nobes, D. C.; Law, L. K., 1991, Delineation of sediment-hosted sulphide mineralization, northern Juan de Fuca Ridge, using seafloor geophysics [abstract].

Turner, R. J. W.; Leitch, C. H. B.; Ames, D. E.; Höy, Trygve; Franklin, J. M.; Goodfellow, W. D., 1991, Character of hydrothermal mounds and adjacent altered sediments, active hydrothermal areas, Middle Valley sedimented rift, northern Juan de Fuca Ridge, northeastern Pacific—Evidence from ALVIN push cores.

JUAN DE FUCA RIDGE – SEDIMENTS

Phipps, J. B., 1974, Sediments and tectonics of the Gorda–Juan de Fuca plate.

Turner, R. J. W.; Leitch, C. H. B.; Ames, D. E.; Höy, Trygve; Franklin, J. M.; Goodfellow, W. D., 1991, Character of hydrothermal mounds and adjacent altered sediments, active hydrothermal areas, Middle Valley sedimented rift, northern Juan de Fuca Ridge, northeastern Pacific—Evidence from ALVIN push cores.

JUAN DE FUCA RIDGE – STRUCTURES AND TECTONICS

Appelgate, T. B., Jr., 1990, Volcanic and structural morphology of the south flank of Axial volcano, Juan de Fuca Ridge—Results from a Sea MARC I side scan sonar survey.*

Barone, A. M.; Ryan, W. B. F., 1988, Along-axis variations within the plate boundary zone of the southern segment of the Endeavour Ridge.

Botros, Mona; Johnson, H. P., 1988, Tectonic evolution of the Explorer–northern Juan de Fuca region from 8 Ma to the present.

Calvert, A. J.; Hasselgren, E. O.; Clowes, R. M., 1990, Oceanic rift propagation—A cause of crustal underplating and seamount volcanism.

Carbotte, S. M.; Dixon, J. M.; Farrar, Edward; Davis, E. E.; Riddihough, R. P., 1989, Geological and geophysical characteristics of the Tuzo Wilson seamounts—Implications for plate geometry in the vicinity of the Pacific–North America–Explorer triple junction.

Caress, D. W., 1989, Some aspects of the structure and evolution of oceanic spreading centers.

Chave, A. D.; Filloux, J. H.; Luther, D. S.; Law, L. K., 1989, Observations of motional electromagnetic fields during EMSLAB.

Clowes, R. M., 1986, Juan de Fuca Ridge system—Structure from a seismological perspective [abstract].

Crawford, W. C.; Webb, S. C.; Hildebrand, J. A., 1991, Seafloor compliance observed by long-period pressure and displacement measurements.

Currie, R. G.; Davis, E. E., 1986, Acoustic imagery over the northern Juan de Fuca Ridge system [abstract].

Dehlinger, Peter; Couch, R. W., 1969, Synthesis of geophysical results in the Juan de Fuca and Gorda Ridge areas (northeast Pacific Ocean) [abstract].

Delaney, J. R.; Johnson, H. P.; Karsten, J. L., 1981, The Juan de Fuca Ridge—Hot spot—Propagating rift system—New tectonic, geochemical, and magnetic data.

Delaney, J. R.; Karsten, J. L.; Hammond, S. R., 1986, Petrology and tectonics of the Juan de Fuca Ridge [abstract].

Denny, Stuart, 1988, Crustal structure of the Juan de Fuca Ridge as determined from deep towed seismic reflection profiles.

Dewhurst, W. T., 1989, The simultaneous inversion of vector and total field aeromagnetic data using Bayesian inference—A case study from the Cobb Offset of the Juan de Fuca Ridge [abstract].

Embley, R. W.; Chadwick, W. W., Jr.; Fox, C. G., 1990, New evidence for volcanic eruptions on the southern Juan de Fuca Ridge during the 1980's—Implications for megaplumes and seafloor monitoring [abstract].

Embley, R. W.; Chadwick, W. W., Jr.; Perfit, M. R.; Baker, E. T., 1991, Geology of the northern Cleft segment, Juan de Fuca Ridge—Recent lava flows, seafloor spreading, and the formation of megaplumes.

Farrar, Edward; Dixon, J. M., 1991, Ridge subduction and the thermal nature of spreading ridges [abstract].

Fox, C. G., 1988, Central Axial caldera—The site of recent vertical tectonics [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of a young ocean basin—Intraplate deformation observed on multichannel reflection profiles [abstract].

Hooft, E.; Rohr, K. M. M.; Davis, E. E.; Currie, R. G., 1989, A comparison of thermal subsidence curves for young Pacific and Juan de Fuca plates at the Endeavour Segment [abstract].

Hyndman, R. D.; Rogers, G. C.; Bone, M. N.; Lister, C. R. B.; Wade, U. S.; Barrett, D. L.; Davis, E. E.; Lewis, T.; Lynch, Steve; Seemann, D. A., 1978, Geophysical measurements in the region of the Explorer Ridge off western Canada.

Hyndman, R. D.; Weichert, D. H., 1986, Seismicity and rates of relative motion on the transform faults of the Juan de Fuca Ridge system [abstract].

Johnson, H. P.; Holmes, M. L., 1989, Evolution in plate tectonics—The Juan de Fuca Ridge.

Johnson, H. P.; Tivey, M. A.; Botros, Mona; Pariso, J. E., 1986, Magnetic and tectonic structure of the Juan de Fuca region [abstract].

Kadko, D. C., 1990, In-situ gamma spectrometry of a warm vent fluid emanating from the north Cleft area of the southern Juan de Fuca Ridge [abstract].

Kappel, E. S.; Franklin, J. M., 1989, Relationships between geologic development of ridge crests and sulfide deposits in the northeast Pacific Ocean.

Karl, H. A.; Holmes, M. L., 1986, GLORIA II and SeaMARC II acoustic imagery of southern Juan de Fuca Ridge [abstract].

Karsten, J. L.; Delaney, J. R., 1989, Hot spot–ridge crest convergence in the northeast Pacific.

Klitgord, K. D., 1974, Near-bottom geophysical surveys and their implications on the crustal generation process, sea floor spreading history of the Pacific and the geomagnetic time scale—0 to 6 M.y.b.p.

Levy, S.; Rohr, K. M. M., 1989, Episodic crustal structure? Evidence for short scale crustal variation in young Pacific crust [abstract].

Malacek, S. J.; Clowes, R. M., 1978, Crustal structure near Explorer Ridge from a marine deep seismic sounding survey.

Normark, W. R.; Morton, J. L.; Saxena, N., 1990, Scaling considerations for acoustic measurement of ridge extension [abstract].

Odegard, M. E., 1978, Upper mantle structure of the Gorda–Juan de Fuca Ridge system [abstract].

Phipps, J. B., 1974, Sediments and tectonics of the Gorda–Juan de Fuca plate.

Riddihough, R. P., 1985, A model for the tectonic development of the Explorer Ridge and Sovanco fracture zone [abstract].

Riddihough, R. P.; Currie, R. G.; Davis, E. E.; Rogers, G. C.; Hyndman, R. D., 1978, The Dellwood Knolls—The link between Explorer Ridge and the Queen Charlotte fault? [abstract].

Rohr, K. M. M.; Lewis, B. T. R., 1987, Shallow crustal reflections from the Juan de Fuca rise [abstract].

Rohr, K. M. M.; Milkereit, Bernd; Yorath, C. J., 1988, Asymmetric deep crustal structure across the Juan de Fuca Ridge.

Shoberg, Tom; Stein, Seth; Karsten, J. L., 1989, Constraints on rift propagation history at the Cobb Offset, Juan de Fuca Ridge, from numerical modeling of tectonic fabric [abstract].

Van Heeswijk, Marijke, 1987, Shallow crustal structure of the caldera of Axial Seamount, Juan de Fuca Ridge.

Vine, F. J., 1968, Proof of ocean-floor spreading? [abstract].

Webb, S. C.; Hildebrand, J. A., 1988, Constraints on crustal structure beneath Axial volcano derived from long period acceleration and pressure measurements [abstract].

Webb, S. C.; Hildebrand, J. A.; Fox, C. G.; Crawford, W. C.; Hammer, P. T. C.; Herzfeld, U. C.; McDonald, M. A.; Stevenson, J. M., 1990, Geophysical studies at the megaplume site on the southern Juan de Fuca Ridge [abstract].

Wilson, D. S., 1988, Tectonic history of the Juan de Fuca Ridge over the last 40 million years.

Zervas, C. E., 1988, A finite element investigation of topographic variation at mid-ocean ridges spreading at the same rate.

JUAN DE FUCA RIDGE – TUZO WILSON SEAMOUNT

Carbotte, S. M.; Dixon, J. M.; Farrar, Edward; Davis, E. E.; Riddihough, R. P., 1989, Geological and geophysical characteristics of the Tuzo Wilson seamounts—Implications for plate geometry in the vicinity of the Pacific–North America–Explorer triple junction.

Denton, A. W. S., 1986, Tectonics and sediment geochemistry of Tuzo Wilson seamounts, northeast Pacific Ocean.

JUAN DE FUCA RIDGE – VANCE SEGMENT

Herzfeld, U. C.; Stevenson, J. M.; Fox, C. G.; Hildebrand, J. A., 1990, Multivariate geostatistical analyses of gravimetric and bathymetric surveys on the southern Juan de Fuca Ridge (NE Pacific) [abstract].

JUAN DE FUCA RIDGE – VOLCANISM

Appelgate, T. B., Jr., 1990, Volcanic and structural morphology of the south flank of Axial volcano, Juan de Fuca Ridge—Results from a Sea MARC I side scan sonar survey.*

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.*

Embley, R. W.; Chadwick, W. W., Jr.; Fox, C. G., 1990, New evidence for volcanic eruptions on the southern Juan de Fuca Ridge during the 1980's—Implications for megaplumes and seafloor monitoring [abstract].

Fox, C. G., 1990, Evidence of active ground deformation on the mid-ocean ridge—Axial Seamount, Juan de Fuca Ridge, April-June 1988.

Franklin, J. M.; Kappel, E. S., 1986, Compositional characteristics and volcanic setting of massive sulphide deposits on Juan de Fuca and Explorer Ridges [abstract].

Holcomb, R. T.; Delaney, J. R., 1988, Post-valley volcanism along the Endeavour Ridge near 47 degrees 57 minutes N [abstract].

Johnson, H. P.; Embley, R. W., 1990, Axial Seamount—An active ridge axis volcano on the central Juan de Fuca Ridge.

Johnson, H. P.; Holmes, M. L., 1988, Near-axis seamount formation—A detailed case history of Axial Seamount, central Juan de Fuca Ridge [abstract].

Leybourne, M. I., 1988, Volcanism and geochemistry of parts of the Endeavour Segment of the Juan de Fuca Ridge system and associated seamounts.

McClain, K. J.; Lewis, B. T. R., 1982, Geophysical evidence for the absence of a crustal magma chamber under the northern Juan de Fuca Ridge—A contrast with ROSE results.

Raleigh, C. B.; Barone, A. M.; Ryan, W. B. F., 1989, Along-axis magma flow driven by topographically induced hydraulic head [abstract].

Zonenshain, L. P.; Kuzmin, M. I.; Bogdanov, Y. A.; Lisitsin, A. P., 1987, A catastrophic event on the Juan de Fuca spreading center at Axial Mt. (46 degrees N) [abstract].

JURASSIC

Bogue, S. W.; Cowan, D. S.; Garver, J. I., 1989, Paleomagnetic evidence for poleward transport of Upper Jurassic rocks in the Decatur terrane, San Juan Islands, Washington.

Elison, M. W., 1991, Intracontinental contraction in western North America—Continuity and episodicity.

Irving, E.; Yole, R. W., 1987, Tectonic rotations and translations in western Canada—New evidence from Jurassic rocks of Vancouver Island.

KING CO., WASH.

Note: Specific materials on King County are listed here. Regional materials which may include King County are listed under CASCADE RANGE or PUGET LOWLAND, as appropriate.

KING CO., WASH. – AREAL GEOLOGY

Bliton, W. S., 1989, Cedar River project.

Bliton, W. S., 1989, Tolt River project.

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Brown and Caldwell; Municipality of Metropolitan Seattle; TCW Associates, Inc., 1989, Geohydrology studies of the Metro section 16 Silvigrow project.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Galster, R. W., 1989, Howard A. Hanson Dam.

Galster, R. W., 1989, Mud Mountain Dam.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Gualtieri, J. L.; Simmons, G. C., 1989, Geology of the Alpine Lakes study area and additions, Washington.

Minard, J. P.; Booth, D. B., 1988, Geologic map of the Redmond quadrangle, King County, Washington.

Pistrang, M. A., 1981, Bedrock and bootsoles—An introduction to the geology of the Issaquah Alps.

Robinson and Noble, Inc., 1987, Description of the aquifer systems in the Federal Way area.

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

Sweet, Edwards and Associates, Inc.; Herrera Environmental Consultants, 1987, Cedar Hills regional landfill site development plan; Task 45.0—Investigation of the feasibility of in-waste leachate head reduction; Progress report, Sept. 11, 1987.

U.S. Geological Survey; U.S. Bureau of Mines, 1989, Mineral resources of the Alpine Lakes study area and additions, Chelan, King, and Kittitas Counties, Washington.

University of Puget Sound Geology Department, 1981, Puget Group—Third annual field trip.

URS Company; Jacobs Associates; Converse Consultants; Evans-Hamilton, Inc., 1983, Metro Renton effluent transfer system, contract no. CW-F2-82; Predesign study, Phase I, Preliminary report, geotechnical.

Walsh, T. J., 1990, Geologic history of the Tiger Mountain State Forest.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

KING CO., WASH. – BIBLIOGRAPHY

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of King County, Washington.

KING CO., WASH. – CLIMATE

Wiberg, E. J., 1990, The probability distribution of snowmelt in clearcuts from a rain-on-snow event in the central Cascades of Washington.

KING CO., WASH. – EARTHQUAKE-INDUCED LANDSLIDES, SLOPE STABILITY, AND SOIL LIQUEFACTION

Cheng, W.-L., 1980, Effects of soil properties on liquefaction potential during earthquakes.

Grant, W. P., 1989, Evaluation of liquefaction potential, Seattle, Washington.*

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Perkins, W. J.; Grant, W. P.; Youd, T. L., 1990, Liquefaction susceptibility maps for the Seattle North and South, Washington quadrangles [abstract].

Williams, P. L.; Jacoby, G. C., 1989, Evaluation of possible seismic triggering of giant landslides in Seattle, Washington [abstract].

Youd, T. L., 1989, Liquefaction hazard mapping for the Seattle urban region utilizing LSI.*

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1990, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the southern Seattle area, Washington—Implications for studies of liquefaction susceptibility.*

KING CO., WASH. – EARTHQUAKES AND SEISMOLOGY

Algermissen, S. T.; Leyendecker, E. V., 1988, Estimation of earthquake losses in the Puget Sound area.

Anton, W. F., 1990, Overview of lifeline earthquake engineering panel discussion—Abstract of responses.

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Bodle, T. R., 1990, The relation of earthquake intensity to surface geology and elevation in western Washington State.*

Bolton, P. A., 1989, Post-disaster emergency response issues in urban settings.

Booth, D. B., 1988, Land-use planning in the mitigation of seismic hazards.

Converse Ward Davis Dixon, Inc., 1980, Report on earthquake motions for reservoir seismic stability analyses, Seattle, Washington.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.*

King, K. W., 1990, Urban hazards seismic field investigations.

King, K. W., 1991, Investigation of seismic wave propagation for determination of crustal structure.

King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.*

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1988, Geophysical studies in support of seismic hazards assessment of Seattle and Olympia, Washington.

Marks, Clifford, 1991, Seismic hazard reduction planning process to develop policies and programs for the City of Seattle.

McLerran, Dennis, 1990, City of Seattle's earthquake preparedness plan.

Perbix, T. W.; Burke, P., 1989, Toward a philosophy for seismic retrofit—The Seattle experience.

Qamar, A. I., 1988, The effect of local geology on earthquake intensity in the Seattle to Portland region of Washington and northern Oregon.

Qamar, A. I.; Bodle, T. R., 1989, Using earthquake intensities to determine ground response in the Puget Sound region.

Rice, Norm, 1990, City of Seattle's earthquake preparedness plan.

Shannon and Wilson, Inc., 1981, Seven geotechnical reports, South Fork Tolt River dam—Report 2, Seismicity study, South Fork Tolt River dam.

Tarr, A. C.; King, K. W., 1988, U.S. Geological Survey begins seismic ground response experiments in Washington State.

Tinsley, J. C., 1988, Quaternary framework for earthquake studies, Los Angeles, California.

Toliver, Paul, 1990, Lifeline panel #1.

Twelker, N. H., and Associates, 1966, Damages caused by earthquake of April 29, 1965—Letter report, Port of Seattle Commission, Pier 5 Terminal.

URS/John A. Blume and Associates, 1985, Metro effluent transfer system, seismic evaluation amendment 4, task XVIII.5.

Washington Surveying and Rating Bureau, 1966, Seattle and vicinity, Washington earthquake map, showing general areas of filled or unstable ground.

Wen, Y.-K., 1983, Seismic risk and cost benefit analysis of the spillway tower, Tolt River dam safety improvement project.

Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

KING CO., WASH. – ENGINEERING GEOLOGY [GENERAL WORKS]

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

KING CO., WASH. – ENGINEERING GEOLOGY – BUILDINGS AND BUILDING STANDARDS

Celebi, Mehmet, 1991, Instrumentation of structures.

Grant, W. P.; Yamane, George; Miller, R. P., 1984, Columbia Center shoring wall, Seattle, Washington.

Gurtowski, T. M.; Boirum, R. N., 1989, Foundations and excavations for high-rise structures in downtown Seattle.

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.*

Perbix, T. W., 1990, Introduction to a seismic retrofit of older buildings [abstract].

Perbix, T. W., 1990, Seismic retrofit of Union Station.

Shannon, W. L.; Strazer, R. J., 1970, Tiedback excavation wall for Seattle First National Bank.

KING CO., WASH. – ENGINEERING GEOLOGY – CANALS

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

KING CO., WASH. – ENGINEERING GEOLOGY – DAMS AND RESERVOIRS

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Bliton, W. S., 1989, Cedar River project.

Bliton, W. S., 1989, Tolt River project.

Converse Ward Davis Dixon, Inc., 1980, Report on earthquake motions for reservoir seismic stability analyses, Seattle, Washington.

Galster, R. W., 1989, Howard A. Hanson Dam.

Galster, R. W., 1989, Mud Mountain Dam.

Geo-Recon, Inc., 1963, Phase I, Geophysical investigation, proposed Morse Lake dam.

Shannon and Wilson, Inc., 1981, Seven geotechnical reports, South Fork Tolt River dam—Report 2, Seismicity study, South Fork Tolt River dam.

Wen, Y.-K., 1983, Seismic risk and cost benefit analysis of the spillway tower, Tolt River dam safety improvement project.

KING CO., WASH. – ENGINEERING GEOLOGY – MUNICIPAL WATER SYSTEMS

Anton, W. F., 1990, Overview of lifeline earthquake engineering panel discussion—Abstract of responses.

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.*

KING CO., WASH. – ENGINEERING GEOLOGY – ROADS AND BRIDGES

Andrews, G. H.; Klasell, J. A., 1964, Cylinder pile retaining wall.

Bronson, K. E., 1989, Geotechnical impacts on construction of State Route 167, the Valley Freeway.

Buechel, G. J.; Yamane, George, 1989, Stabilization of a roadway slide by drainage installation and light-weight fill.

Johnson, K. A., 1989, Seattle freeway construction, Interstate Highway 5, 1960-1966.

Kleppe, J. H.; Denby, G. M., 1984, Design and performance of horizontal drains.

Robinson, R. A., 1989, Geotechnical impacts on design and construction of the Mt. Baker Ridge Tunnel, interstate Highway 90, Seattle.

Shannon and Wilson, Inc., 1980, Geotechnical engineering studies—West Seattle freeway bridge replacement, City of Seattle; Main span substructure, Harbor Island structure; Volume I, Engineering studies and recommendations.

Shannon and Wilson, Inc., 1981, Geotechnical engineering studies—West Seattle freeway bridge replacement, City of Seattle; West interchange, east interchange; Volume I, Engineering studies and recommendations.

Sherif, M. A., 1966, Physical properties of Seattle freeway soils.

Sondergaard, J. N.; Fuller, S. R.; Otten, M. T., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.

Sondergaard, J. N.; Otten, M. T.; Fuller, S. R., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.

Squier, L. R.; Klasell, J. A., 1989, Cylinder pile walls along Interstate Highway 5, Seattle.

Wiatrak, P. A., 1966, Seattle's leaning wall.

Yamane, George; Wu, M.-J., 1989, Pile foundation for the West Seattle Freeway bridge replacement, Seattle, Washington.

Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

KING CO., WASH. – ENGINEERING GEOLOGY – SOIL MECHANICS

Bronson, K. E., 1989, Geotechnical impacts on construction of State Route 167, the Valley Freeway.

Cheng, W.-L., 1980, Effects of soil properties on liquefaction potential during earthquakes.

Gaddah, A. H., 1976, Damping ratio for dry sands.

Grant, W. P., 1989, Evaluation of liquefaction potential, Seattle, Washington.*

Gurtowski, T. M.; Boirum, R. N., 1989, Foundations and excavations for high-rise structures in downtown Seattle.

Ludwig, H. P.; Weatherby, D. E., 1989, Behavior of a tieback in cohesive soil.

Miller, J. A., 1989, Landslide stabilization in an urban setting, Fauntleroy District, Seattle, Washington.

Morse, R. W., 1989, Regrading years in Seattle.

Sherif, M. A., 1964, Flow and fracture properties of Seattle clays.

Sherif, M. A., 1966, Physical properties of Seattle freeway soils.

Sherif, M. A.; Strazer, R. J., 1973, Soil parameters for design of Mt. Baker Ridge tunnel in Seattle.

Sherif, M. A.; Tien, Y. B.; Lawrence, C. B., 1983, Experimental versus field values for K_o.

Sherif, M. A.; Wu, M.-J., 1968, The residual strength of Seattle clays during triaxial testing.

Sherif, M. A.; Wu, M.-J., 1968, The short term failure criterion for Seattle clays.

Sherif, M. A.; Wu, M.-J., 1969, Creep limit and residual strength relationship.

Sherif, M. A.; Wu, M.-J., 1971, The dynamic shear behavior of Seattle clays.

Sherif, M. A.; Wu, M.-J., 1971, Summary and practical implications of the University of Washington soil engineering research.

Squires, G. H., 1985, An experimental investigation of the consolidation and shear strength characteristics of a Seattle clay.

Washington Surveying and Rating Bureau, 1966, Seattle and vicinity, Washington earthquake map, showing general areas of filled or unstable ground.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1989, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the greater Seattle area, Washington—Implications for liquefaction susceptibility studies.

KING CO., WASH. – ENGINEERING GEOLOGY – TUNNELS

Bauhof, F. C., 1989, Construction history of the Cascade Railroad Tunnel.

Critchfield, J. W.; MacDonald, J. F., 1990, Downtown in soft ground.

Laprade, W. T.; Thompson, S. R., 1989, Engineering geology of the Downtown Seattle Transit Project.

Lowe, Roger, Associates, Inc., 1980, Report of geotechnical studies, SR 90 tunnel project, Mercer Island, Washington.

MacDonald, J. F., 1985, Mt. Baker Ridge tunnel—Construction of a large diameter soft ground tunnel by the stacked drift method.

Patten, R. H., 1987, Excavation problems of E.T.S.-6 tunnel.

Robinson, R. A., 1989, Geotechnical impacts on design and construction of the Mt. Baker Ridge Tunnel, interstate Highway 90, Seattle.

Robinson, R. A.; Kucker, M. S.; Feldman, A. I.; Parker, H. W., 1987, Ground and linear behavior during construction of the Mt. Baker Ridge tunnel.

Shannon and Wilson, Inc., 1985, Geotechnical report—Downtown Seattle transit project; Preliminary engineering.

Sherif, M. A.; Strazer, R. J., 1973, Soil parameters for design of Mt. Baker Ridge tunnel in Seattle.

Sherif, M. A.; Tien, Y. B.; Lawrence, C. B., 1983, Experimental versus field values for K_o.

Tunnels and Tunneling, 1982, Seattle to get largest diameter soft-ground bored tunnel in the USA.

KING CO., WASH. – ENGINEERING GEOLOGY – WASTE DISPOSAL

Bailey, J. S.; Rowland, P. J., 1989, Hydrogeologic characterization of a rural landfill for compliance operation and closure design.

Brown and Caldwell; Municipality of Metropolitan Seattle; TCW Associates, Inc., 1989, Geohydrology studies of the Metro section 16 Silvigrow project.

Mills, D. E.; Cordell, D. A., 1989, A hydrogeologic assessment of Cedar Hills regional landfill, King County, Washington.

Sweet, Edwards and Associates, Inc., 1986, Cedar Hills regional landfill—Phase 2—Site development plan; Existing area report.

Sweet, Edwards and Associates, Inc.; Herrera Environmental Consultants, 1987, Cedar Hills regional landfill site development plan; Task 45.0—Investigation of the feasibility of in-waste leachate head reduction; Progress report, Sept. 11, 1987.

URS Company; Jacobs Associates; Converse Consultants; Evans-Hamilton, Inc., 1983, Metro Renton effluent transfer system, contract no. CW-F2-82; Predesign study, Phase I, Preliminary report, geotechnical.

URS/John A. Blume and Associates, 1985, Metro effluent transfer system, seismic evaluation amendment 4, task XVIII.5.

KING CO., WASH. – GEOCHRONOLOGY

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

KING CO., WASH. – GEOPHYSICS

Davis, W. E., 1989, Aeromagnetic interpretation of the Alpine Lakes study area and additions, Washington.

Geo-Compu-Graph, Inc., 1980, Engineering reflection seismic survey in the Cedar River groundwater basin.

Geo-Recon, Inc., 1963, Phase I, Geophysical investigation, proposed Morse Lake dam.

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1988, Geophysical studies in support of seismic hazards assessment of Seattle and Olympia, Washington.

Lankston, R. W.; Lankston, M. M.; West, L. M., 1985, Seismic reflection profiling in the Cedar River basin, western Washington.

Schwarz, S. D.; McLucas, G. B., 1988, Detection of destressed rock and potential collapse features above old mine workings by the seismic refraction method.

Shannon and Wilson, Inc., 1976, Cedar Falls project—Seismic refraction line no. 1, Preliminary results and recommended confirmation drilling program.

Shannon and Wilson, Inc., 1979, Cedar Falls project, seismic refraction line no. 2—Letter report.

Sprenke, K. F., 1989, Efficient terrain corrections—A geostatistical analysis.

KING CO., WASH. – GLACIAL GEOLOGY

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

KING CO., WASH. – GUIDEBOOKS

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Crandell, D. R.; Mullineaux, D. R.; Waldron, H. H., 1965, Day 7—September 12, Seattle, Washington.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

University of Puget Sound Geology Department, 1981, Puget Group—Third annual field trip.

KING CO., WASH. – LAKES AND LAKE SEDIMENTS

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Yearsley, J. R.; Hileman, J. R.; Anderson, Jenny, 1985, Application of estimation techniques to characterizing sediments in Lake Union, Washington.

KING CO., WASH. – LANDSLIDES, SLOPE STABILITY, AND SOIL LIQUEFACTION

Note: Here are Landslides (etc.) not related to earthquakes.

see also KING CO., WASH. – EARTHQUAKE-INDUCED LANDSLIDES, SLOPE STABILITY, AND SOIL LIQUEFACTION

Buechel, G. J.; Yamane, George, 1989, Stabilization of a roadway slide by drainage installation and light-weight fill.

Evans, W. D., Jr., 1989, The East Whitney Hill landslides.

King County Department of Public Works; King County Department of Parks, Planning and Resources, 1987, King County basin reconnaissance program, program summary.

Kleppe, J. H.; Denby, G. M., 1984, Design and performance of horizontal drains.

Miller, J. A., 1989, Landslide stabilization in an urban setting, Fauntleroy District, Seattle, Washington.

Wiberg, E. J., 1990, The probability distribution of snowmelt in clearcuts from a rain-on-snow event in the central Cascades of Washington.

KING CO., WASH. – MAPS – GEOLOGIC

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Minard, J. P.; Booth, D. B., 1988, Geologic map of the Redmond quadrangle, King County, Washington.

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

U.S. Geological Survey; U.S. Bureau of Mines, 1989, Mineral resources of the Alpine Lakes study area and additions, Chelan, King, and Kittitas Counties, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

KING CO., WASH. – RIVER AND STREAM MORPHOLOGY

Booth, D. B., 1990, Stream-channel incision following drainage-basin urbanization.

KING CO., WASH. – SOILS, SEDIMENTS, AND STRATIGRAPHY

see also

KING CO., WASH. – ENGINEERING GEOLOGY – SOIL MECHANICS

KING CO., WASH. – LAKES AND LAKE SEDIMENTS

Buchanan-Banks, J. M., 1989, Depth to bedrock map in the greater Tacoma area, Washington.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1990, Geotechnical drill-hole logs from the southern Seattle area, Washington.

KING CO., WASH. – STRUCTURAL GEOLOGY AND TECTONICS

Harding, S. T., 1989, Investigation of seismic-wave propagation for determination of crustal structure.

KITSAP CO., WASH.

Bucknam, R. C., 1991, Puget Sound paleoseismicity.*

Bucknam, R. C.; Barnhard, T. P., 1990, Evidence of sudden late Holocene uplift in the central Puget Lowland, Washington [abstract].*

Clark, K. P., 1989, The stratigraphy and geochemistry of the Crescent Formation basalts and the bedrock geology of associated igneous rocks near Bremerton, Washington.

Madej, M. A., 1982, Sediment transport and channel changes in an aggrading stream in the Puget Lowland, Washington.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Kitsap County, Washington.

Whitman, R. V., 1975, Seismic risk for Trident support site drydock, NTS Keyport, Bangor Annex, Washington.

Witek, B. M., 1989, Design and construction of a highway interchange on soft organic soils, State Route 16, Kitsap Peninsula, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

KITTITAS CO., WASH.

Brunengo, M. J., 1990, A method of modeling the frequency characteristics of daily snow amount, for stochastic simulation of rain-on-snowmelt events.

Davis, W. E., 1989, Aeromagnetic interpretation of the Alpine Lakes study area and additions, Washington.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation of the northern Cascade mountains geomorphic province for Bumping Lake, Tieton, Keechelus, Kachess, Cle Elum, and Clear Lake dams.

Gualtieri, J. L.; Simmons, G. C., 1989, Geology of the Alpine Lakes study area and additions, Washington.

Manson, C. J., compiler, 1991, Bibliography of the geology and mineral resources of Kittitas County, Washington.

U.S. Geological Survey; U.S. Bureau of Mines, 1989, Mineral resources of the Alpine Lakes study area and additions, Chelan, King, and Kittitas Counties, Washington.

KLICKITAT CO., WASH.

Galster, R. W.; Sager, J. W., 1989, Dams of the lower Columbia River—Geologic setting.

Wood, C. A., 1990, Volcanoes of Washington—Simcoe, Washington.

KULA–FARALLON–PACIFIC PLATES

Thorkelson, D. J.; Taylor, R. P., 1989, Cordilleran slab windows.

LAHARS AND MUDFLOWS

see also MOUNT ST. HELENS – MASS MOVEMENTS – LAHARS AND MUDFLOWS

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Driedger, C. L., 1988, Geology in action—Jökulhlaups on Mount Rainier.

Driedger, C. L.; Fountain, A. G., 1989, Glacier outburst floods at Mount Rainier, Washington State, U.S.A.

Jonientz-Trisler, Chris; Driedger, C. L., 1990, Seismic evidence of historic debris flows and dry-season floods on Mount Rainier, Washington, 1961-1990 [abstract].

Jonientz-Trisler, Chris; Driedger, C. L.; Qamar, A. I., 1990, Seismic signatures of debris flows on Mt. Rainier, Wa. [abstract].

Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].

Nelson, Jack, 1989, On the jökulhlaup trail, Mount Rainier.

Norris, R. D., 1990, Seismograms from the 16 August 1989 rockfall from Russell Cliff, Mount Rainier [abstract].

Pringle, P. T., 1990, Hazards from volcanic debris flows in the Puyallup Valley, west of Mount Rainier, Washington [abstract].

Scott, K. M., 1988, Origins, behavior, and sedimentology of lahars and lahar-runout flows in the Toutle–Cowlitz River system.

Scott, K. M., 1990, Volcanic flood hazards for Mount Rainier in Washington.

Walder, Joseph, 1990, Glacial outburst floods at Mount Rainier.

Weaver, C. S.; Norris, R. D.; Jonientz-Trisler, Chris, 1990, Results of seismological monitoring in the Cascade Range, 1962-1989—Earthquakes, eruptions, avalanches and other curiosities.

LAKE UNION (King Co., Wash.)

Yearsley, J. R.; Hileman, J. R.; Anderson, Jenny, 1985, Application of estimation techniques to characterizing sediments in Lake Union, Washington.

LAKE WASHINGTON (King Co., Wash.)

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

LAKES AND LAKE SEDIMENTS [REGIONAL WORKS]

Hanna, R. L.; Verosub, K. L., 1989, A review of lacustrine paleomagnetic records from western North America—0-40,000 years BP.

LAKES AND LAKE SEDIMENTS – BRITISH COLUMBIA

Clague, J. J.; Shilts, W. W., 1989, Evidence of paleoseismicity obtained by subbottom acoustic profiling of lakes [abstract].

Clague, J. J.; Shilts, W. W.; Linden, R. H., 1989, Application of subbottom profiling to assessing seismic risk on Vancouver Island, British Columbia.

LaCombe, J. L.; Schurer, P. J.; Mothersill, J. S., 1989, Mossbauer effect study on glacial and postglacial sediment in Georgie Lake [abstract].

Mothersill, J. S., 1987, The use of paleomagnetic logs in determining the postglacial history of Vancouver Island [abstract].

Mothersill, J. S., 1989, Paleomagnetic dating of postglacial sediments, Vancouver Island, Canada.

Mothersill, J. S., 1990, The paleomagnetic and tephra record of Mara Lake, south-central British Columbia [abstract].

Mothersill, J. S.; Fraser, J. D., 1989, The postglacial paleomagnetic record for Vancouver Island [abstract].

Turner, G. M., 1987, A 5000 year geomagnetic palaeosecular variation record from western Canada.

LAKES AND LAKE SEDIMENTS – OREGON

Herrero-Bervera, Emilio; Helsley, C. E.; Hammond, S. R.; Chitwood, L. A., 1989, A possible lacustrine paleomagnetic record of the Blake episode from Pringle Falls, Oregon, U.S.A.

Negrini, R. M.; Darke, Rick; Hoare, Brian, 1987, Climate-induced variations in the geomagnetic field—Possible supporting evidence from a Pleistocene paleomagnetic record [abstract].

Negrini, R. M.; Verosub, K. L.; Davis, J. O., 1986, 400,000 years of geomagnetic field behavior as recorded in fine-grained sediments from Summer Lake, Lake County, Oregon [abstract].

Nelson, C. H.; Larsen, M. C.; Thor, D. R.; Wright, A. A., 1980, Sedimentary history of the floor of Crater Lake, Oregon—A restricted basin with non-channelized turbidites [abstract].

Sherrod, D. R.; Pickthorn, L. B. G., 1989, A note on the origin of Bull Run and Lost Lakes, western Cascades, Oregon.

Verosub, K. L.; Mehringer, P. J., Jr., 1987, Holocene geomagnetic intensity variations in western North America—The record from Fish Lake, Oregon [abstract].

LAKES AND LAKE SEDIMENTS – WASHINGTON

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Yearsley, J. R.; Hileman, J. R.; Anderson, Jenny, 1985, Application of estimation techniques to characterizing sediments in Lake Union, Washington.

LAND USE PLANNING

Booth, D. B., 1988, Land-use planning in the mitigation of seismic hazards.

King County Department of Public Works; King County Department of Parks, Planning and Resources, 1987, King County basin reconnaissance program, program summary.

Koler, T. E., 1989, Rural development and land-use planning—Introduction.

Lasmanis, Raymond, 1990, Growth Management Act of 1990 and mineral resource lands.

Logan, R. L., 1989, Slope stability and rural land management—The Marblemount landslide case history.

Palmer, L. A.; Redfern, Roger, 1973, Environmental geology for planning of the Marquam Hill area, Portland, Oregon.

Preuss, Jane, 1988, Coastal effects of a great subduction earthquake—Regional land use implications.

Reilly, T. K., 1985, Geotechnical group developments and activities—Gifford Pinchot National Forest, Region 6.

Waldo, J. J., 1986, A survey of the engineering geologic information needs of land use planners.

LANDSLIDES AND SLOPE STABILITY

Note: Include rockfalls.

see also

EARTHQUAKE-INDUCED LANDSLIDES

EARTHQUAKE-INDUCED LIQUEFACTION

ENGINEERING GEOLOGY – SOIL MECHANICS and ROCK MECHANICS

FOREST SOIL AND SLOPE STABILITY

LANDSLIDES AND SLOPE STABILITY – AQUEOUS (marine and lacustrine)

Atkins, R. J.; Lutemauer, J. L., 1991, Re-evaluation of slope failure volume estimates involving 3D computer graphics for the Fraser River delta front, British Columbia.

Brandon, M. T., 1984, Deformational processes affecting unlithified sediments at active margins—A field study and a structural model.

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Kostaschuk, R. A.; McCann, S. B., 1989, Submarine slope stability of a fjord delta—Bella Coola, British Columbia.

McKenna, G. T., 1987, Evidence of large scale mass wasting on the Fraser River delta front at Sand Heads, British Columbia.

McKenna, G. T.; Kostaschuk, R. A., 1990, Submarine slope failures at the mouth of the Fraser River, British Columbia [abstract].

Prior, D. B.; Bornhold, B. D., 1990, Submarine slope failure processes in British Columbia fjords [abstract].

LANDSLIDES AND SLOPE STABILITY – BRITISH COLUMBIA

Ashford, P. G., 1988, Geological hazard assessment of a residential development in West Vancouver, British Columbia.

Atkins, R. J.; Lutemauer, J. L., 1991, Re-evaluation of slope failure volume estimates involving 3D computer graphics for the Fraser River delta front, British Columbia.

Bovis, M. J., 1990, Rock slope movements in the southern Coast Mountains [abstract].

Brandon, M. T., 1984, Deformational processes affecting unlithified sediments at active margins—A field study and a structural model.

Brooks, G. R., 1990, The recognition of landslide dammings in alpine river valleys from backwater sediments [abstract].

Croasdale, D. A., 1989, A small scale translational rock failure affecting the basal failure surface of the 1965 Hope slide.

Cruden, D. M.; Lu Z-Y., 1989, The geomorphic impact of the catastrophic October 1984 flood on the planform of Squamish River, southwestern British Columbia—Discussion.

Evans, S. G., 1987, The application of Quaternary geology to the assessment of terrain hazards, Coast Mountains, British Columbia, Canada [abstract].

Evans, S. G., 1989, Landslides and economic development in the Canadian Cordillera [abstract].

Evans, S. G., 1989, Landslides and related processes in the Canadian Cordillera.

Evans, S. G., 1989, The 1946 Mount Colonel Foster rock avalanches and associated displacement wave, Vancouver Island, British Columbia.

Evans, S. G., 1989, Problems in assessing landslide potential and predicting landslide behavior in the Canadian Cordillera [abstract].

Evans, S. G., 1990, Landslides in the Cordillera—An overview [abstract].

Evans, S. G.; Clague, J. J., 1988, Catastrophic rock avalanches in glacial environments.

Evans, S. G.; Clague, J. J.; Woodsworth, G. J.; Hungr, O., 1989, The Pandemonium Creek rock avalanche, British Columbia.

Eyles, Nicholas; Clague, J. J., 1987, Landsliding caused by Pleistocene glacial lake ponding—An example from central British Columbia.

Hickin, E. J.; Sichingabula, H. M., 1989, The geomorphic impact of the catastrophic October 1984 flood on the planform of Squamish River, southwestern British Columbia—Reply.

Howes, D. E., 1981, Terrain inventory and geological hazards—Northern Vancouver Island.

Howes, D. E., 1987, A terrain evaluation method for predicting terrain susceptible to post-logging landslide activity—A case study from the southern Coast Mountains of British Columbia.*

Hungr, O., 1988, Notes on dynamic analysis of flowslides.

Hungr, O.; Evans, S. G., 1988, Engineering evaluation of fragmental rockfall hazards.

Kostaschuk, R. A.; McCann, S. B., 1989, Submarine slope stability of a fjord delta—Bella Coola, British Columbia.

Laesecke, R. F., 1989, Factors causing instability of rock slopes along the Vancouver–Squamish highway in southwestern British Columbia.

Lister, D. R., 1989, Landslides, highways and mountains—Stability problems associated with highway development in British Columbia [abstract].

Mathews, W. H., 1979, Landslides of central Vancouver Island and the 1946 earthquake.

McKenna, G. T., 1987, Evidence of large scale mass wasting on the Fraser River delta front at Sand Heads, British Columbia.

McKenna, G. T.; Kostaschuk, R. A., 1990, Submarine slope failures at the mouth of the Fraser River, British Columbia [abstract].

Moore, D. P.; Enegren, E. G., 1990, Rockslide hazard evaluation along B.C. Hydro's reservoirs [abstract].

Prior, D. B.; Bornhold, B. D., 1990, Submarine slope failure processes in British Columbia fjords [abstract].

Savigny, K. W., 1990, Engineering geology of large landslides in the lower Fraser River valley area, southwestern Canadian Cordillera [abstract].

Skermer, N. A., 1990, Long-term landslide hazard mitigation programs—Structure and experience from other countries—Discussion.

Weichert, D. H.; Horner, R. B.; Evans, S. G., 1990, Earthquakes and the 1965 Hope landslide? [abstract].

Wetmiller, R. J.; Evans, S. G., 1989, Analysis of the earthquakes associated with the 1965 Hope landslide and their effects on slope stability at the site.

LANDSLIDES AND SLOPE STABILITY – CALIFORNIA

Lilligren, S. P., 1988, Unusual landslide features, Cascade geologic province, Klamath National Forest, Siskiyou County, California [abstract].

Youd, T. L.; Hoose, S. N., 1978, Historic ground failures in northern California triggered by earthquakes.

LANDSLIDES AND SLOPE STABILITY – OREGON

Beaulieu, J. D., 1973, Environmental geology of inland Tillamook and Clatsop Counties, Oregon.

Beaulieu, J. D., 1974, Geologic hazards of the Bull Run watershed, Multnomah and Clackamas Counties, Oregon.

Beaulieu, J. D.; Hughes, P. W., 1975, Environmental geology of western Coos and Douglas Counties, Oregon.

Benda, L. E.; Cundy, T. W., 1990, Predicting deposition of debris flows in mountain channels.

Benda, L. E.; Dunne, Thomas, 1987, Sediment routing by debris flow.

Benda, L. E.; Dunne, Thomas, 1988, Variation of channel morphology controlled by the frequency and magnitude of mass wasting [abstract].

Cornforth, D. H., 1990, Earthquake-induced landslides.

Gless, J. D., 1989, Slope stability as related to geology at Rainier, Columbia County, Oregon.

Henkle, W. R., Jr.; Gentry, W. T.; Bingham, S. P., 1991, Geologic controls on landsliding—Siskiyou Mts. Oregon.

Long, M. T., 1987, Camp Five slide—Exploration, design and construction of a horizontal drain solution [abstract].

North, W. B., 1964, Coastal landslides in northern Oregon.

Sayre, W. O.; Komar, P. D., 1988, The Jump-Off Joe landslide at Newport, Oregon—History of erosion, development and destruction.

Schlicker, H. G.; Deacon, R. J.; Olcott, G. W.; Beaulieu, J. D., 1973, Environmental geology of Lincoln County, Oregon.

Schuster, R. L.; Chleborad, A. F., 1989, Landslides in Washington and Oregon—An overview.

Sherrod, D. R.; Pickthorn, L. B. G., 1989, A note on the origin of Bull Run and Lost Lakes, western Cascades, Oregon.

Swanson, F. J.; Benda, L. E.; Duncan, S. H.; Grant, G. E.; Megahan, W. F.; Reid, L. M.; Ziemer, R. R., 1987, Mass failures and other processes of sediment production in Pacific Northwest forest landscapes.

LANDSLIDES AND SLOPE STABILITY – WASHINGTON [REGIONAL]

Madole, R. F.; Schuster, R. L.; Chleborad, A. F., 1988, Earthquake-induced landslides and liquefaction in western Washington.*

Schuster, R. L.; Chleborad, A. F., 1988, Earthquake-induced ground failure in western Washington.

Schuster, R. L.; Chleborad, A. F., 1989, Historic earthquake-induced landslides in western Washington [abstract].

Schuster, R. L.; Chleborad, A. F., 1989, Landslides in Washington and Oregon—An overview.

Swanson, F. J.; Benda, L. E.; Duncan, S. H.; Grant, G. E.; Megahan, W. F.; Reid, L. M.; Ziemer, R. R., 1987, Mass failures and other processes of sediment production in Pacific Northwest forest landscapes.

Swanston, D. N.; Schuster, R. L., 1989, Long-term landslide hazard mitigation programs—Structure and experience from other countries.

Thorsen, G. W., 1989, Landslide provinces in Washington.

LANDSLIDES AND SLOPE STABILITY – WASHINGTON – CASCADE RANGE AND CASCADE FOOTHILLS

Benda, L. E.; Cundy, T. W., 1990, Predicting deposition of debris flows in mountain channels.

Benda, L. E.; Zhang, Weihua, 1989, Hydrologic and geomorphic characteristics of landslide/dam-break floods in the Cascade mountains of Washington [abstract].

Buchanan, Peter; Savigny, K. W., 1990, Factors controlling debris avalanche initiation.

Buchanan, Peter; Savigny, K. W.; De Vries, J., 1990, A method for modeling water tables at debris avalanche headscarps.

Eide, Jerry, 1990, A 48-year sediment budget (1942-1989) for Deer Creek basin, Washington.

Frank, D. G., 1986, Hydrothermal processes at Mount Rainier, Washington [abstract].

Gowan, M. E., 1988, Slope failures and debris torrents—The effect of geology, hydrology, or man? [abstract].

Gowan, M. E., 1989, Landslides as debris sources for floods in a mountain basin [abstract].

Gowan, M. E., 1989, The mechanisms of landslide initiation and flood generation in the Boulder Creek basin, Whatcom County, Washington.

Gowan, M. E., 1989, Slope failures and channelized debris flows—The effect of geology, hydrology or man? [abstract].

Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].

Kawakatsu, Hitoshi, 1989, Centroid single force inversion of seismic waves generated by landslides.

Logan, R. L., 1989, Slope stability and rural land management—The Marblemount landslide case history.

Maloy, J. A., 1988, Changes in grain-size distribution in a gravel-bed stream due to a point-source influx of fine sediment.

Meyer, William; Sabol, M. A.; Schuster, R. L., 1989, Landslide dammed lakes at Mount St. Helens, Washington.

Norris, R. D., 1990, Seismograms from the 16 August 1989 rockfall from Russell Cliff, Mount Rainier [abstract].

Orme, A. R., 1989, The nature and rate of alluvial fan aggradation in a humid temperate environment, northwest Washington.

Orme, A. R., 1990, Recurrence of debris production under coniferous forest, Cascade foothills, northwest United States.

Parks, D. S.; Reutebuch, S. E., 1990, Landslide mapping and analysis from aerial photographs with a PC-based analytical stereoplotter [abstract].

Reilly, T. K., 1985, Landslide considerations in project design.

Ryan, Jim; Cederholm, C. J.; Halloin, L. J.; Thorsen, G. W., 1984, Preliminary report—DeForest Creek landslide of March 1984.

Thorsen, G. W., 1989, Splitting and sagging mountains.

Varnes, D. J.; Radbruch-Hall, D. H.; Savage, W. Z., 1989, Topographic and structural conditions in areas of gravitational spreading of ridges in the western United States.

Wiberg, E. J., 1990, The probability distribution of snowmelt in clearcuts from a rain-on-snow event in the central Cascades of Washington.

LANDSLIDES AND SLOPE STABILITY – WASHINGTON – OLYMPIC PENINSULA AND PACIFIC COAST

Dengler, Lori; Montgomery, D. R., 1989, Estimating the thickness of colluvial fill in unchanneled valleys from surface topography.

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Johnson, A. C., 1991, Effects of landslide–dam-break floods on channel morphology.

Reneau, S. L., 1988, Depositional and erosional history of hollows—Application to landslide location and frequency, long-term erosion rates, and the effects of climatic change.

LANDSLIDES AND SLOPE STABILITY – WASHINGTON – PUGET LOWLAND

Buechel, G. J.; Yamane, George, 1989, Stabilization of a roadway slide by drainage installation and light-weight fill.

Chleborad, A. F.; Schuster, R. L., 1990, Ground failure associated with the Puget Sound region earthquakes of April 13, 1949, and April 29, 1965.

Cornforth, D. H., 1990, Earthquake-induced landslides.

Evans, W. D., Jr., 1989, The East Whitney Hill landslides.

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.*

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Johnson, A. C., 1991, Effects of landslide–dam-break floods on channel morphology.

King County Department of Public Works; King County Department of Parks, Planning and Resources, 1987, King County basin reconnaissance program, program summary.

Kleppe, J. H.; Denby, G. M., 1984, Design and performance of horizontal drains.

Miller, J. A., 1989, Landslide stabilization in an urban setting, Fauntleroy District, Seattle, Washington.

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

Pringle, P. T., 1990, The Nisqually landslide of September 1990.

Schreier, H., 1987, Asbestos fibres introduce trace metals into streamwater and sediments.

Simmons, J. D., 1973, Supplement to, Preliminary report on the geology of southern Snohomish County.

Williams, P. L.; Jacoby, G. C., 1989, Evaluation of possible seismic triggering of giant landslides in Seattle, Washington [abstract].

LANDSLIDES AND SLOPE STABILITY – WASHINGTON – SOUTHWESTERN

Duncan, S. H., 1989, Slope stability analysis in timber harvest planning, Smith Creek, Pacific County, Washington.

Lowell, S. M., 1990, The K M Mountain landslide near Skamokawa.

Perkins, S. J., 1989, Interactions of landslide-supplied sediment with channel morphology in forested watersheds.

Peterson, G. L.; Squier, L. R.; Weatherby, D. O., 1987, Load tests for instrumented high capacity tiebacks at the Bonneville navigation lock [abstract].

LEWIS CO., WASH.

Clayton, G. A.; Zollweg, J. E., 1987, Tertiary–Quaternary faults and the 1981 magnitude 5 earthquake in the Goat Rocks Wilderness, south-central Cascade Range, Washington [abstract].

Coombs, H. A., 1989, The Cowlitz River projects—Mayfield and Mossyrock Dams.

Dethier, D. P., 1988, The soil chronosequence along the Cowlitz River, Washington.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Lewis County, Washington.

Perkins, S. J., 1989, Interactions of landslide-supplied sediment with channel morphology in forested watersheds.

Reilly, T. K., 1989, A method for application of geologic information in management of the Gifford Pinchot National Forest.

Stine, C. M., 1987, Stratigraphy of the Ohanapecosh Formation north of Hamilton Buttes, southcentral Washington.

Swanson, D. A., 1989, Geologic maps of the French Butte and Greenhorn Buttes quadrangles, Washington.

Swanson, D. A., 1990, Trends of middle Tertiary dikes in and north of the Dark Divide Roadless Area, southern Washington Cascades [abstract].

Swanson, D. A., 1991, Geologic map of the Tower Rock quadrangle, southern Cascade Range, Washington.

Lifelines, *see* **ENGINEERING GEOLOGY – MUNICIPAL WATER SYSTEMS and LIFELINES**

Liquefaction, *see* **EARTHQUAKE-INDUCED LIQUEFACTION**

LANDSLIDES AND SLOPE STABILITY – WASHINGTON – SOUTHWESTERN

Duncan, S. H., 1989, Slope stability analysis in timber harvest planning, Smith Creek, Pacific County, Washington.

Lowell, S. M., 1990, The K M Mountain landslide near Skamokawa.

Perkins, S. J., 1989, Interactions of landslide-supplied sediment with channel morphology in forested watersheds.

Peterson, G. L.; Squier, L. R.; Weatherby, D. O., 1987, Load tests for instrumented high capacity tiebacks at the Bonneville navigation lock [abstract].

LEWIS CO., WASH.

Clayton, G. A.; Zollweg, J. E., 1987, Tertiary–Quaternary faults and the 1981 magnitude 5 earthquake in the Goat Rocks Wilderness, south-central Cascade Range, Washington [abstract].

Coombs, H. A., 1989, The Cowlitz River projects—Mayfield and Mossyrock Dams.

Dethier, D. P., 1988, The soil chronosequence along the Cowlitz River, Washington.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Lewis County, Washington.

Perkins, S. J., 1989, Interactions of landslide-supplied sediment with channel morphology in forested watersheds.

Reilly, T. K., 1989, A method for application of geologic information in management of the Gifford Pinchot National Forest.

Stine, C. M., 1987, Stratigraphy of the Ohanapecosh Formation north of Hamilton Buttes, southcentral Washington.

Swanson, D. A., 1989, Geologic maps of the French Butte and Greenhorn Buttes quadrangles, Washington.

Swanson, D. A., 1990, Trends of middle Tertiary dikes in and north of the Dark Divide Roadless Area, southern Washington Cascades [abstract].

Swanson, D. A., 1991, Geologic map of the Tower Rock quadrangle, southern Cascade Range, Washington.

Lifelines, *see* **ENGINEERING GEOLOGY – MUNICIPAL WATER SYSTEMS and LIFELINES**

Liquefaction, *see* **EARTHQUAKE-INDUCED LIQUEFACTION**

Magnetic surveys, *see* **GEOPHYSICS – MAGNETIC SURVEYS**

MARINE GEOLOGY – GEOPHYSICS – MAGNETIC SURVEYS

and also *see* subdivision **GEOPHYSICS – MAGNETIC SURVEYS** under specific regions, e.g., **BRITISH COLUMBIA – GEOPHYSICS – MAGNETIC SURVEYS**

Maps – Digitized, *see* **GEOGRAPHIC INFORMATION SYSTEMS**

MAPS – GEOLOGIC [REGIONAL STUDIES]

Zoback, M. L.; Zoback, M. D.; Adams, John; Bell, S.; Suter, M.; Suarez, G.; Jacob, K.; Estabrook, C.; Magee, M., 1991, Stress map of North America.

MAPS – GEOLOGIC – BIBLIOGRAPHY

Manson, C. J., compiler, 1991, Geologic and geophysical mapping of Washington, 1984 through 1990, and, Theses on the geology of Washington, 1984 through 1990.*

MAPS – GEOLOGIC – BRITISH COLUMBIA

Croasdale, D. A., 1989, A small scale translational rock failure affecting the basal failure surface of the 1965 Hope slide.

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.

Reddy, D. G., 1989, Geology of the Indian River area, southwestern British Columbia.

Wheeler, J. O.; McFeely, P., 1987, Tectonic assemblage map of the Canadian cordillera and adjacent parts of the United States of America.

MAPS – GEOLOGIC – OREGON

Beaulieu, J. D., 1973, Environmental geology of inland Tillamook and Clatsop Counties, Oregon.

Beaulieu, J. D., 1974, Geologic hazards of the Bull Run watershed, Multnomah and Clackamas Counties, Oregon.

Beaulieu, J. D.; Hughes, P. W., 1975, Environmental geology of western Coos and Douglas Counties, Oregon.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon—Text and map explanation.

Ogle Petroleum, Inc., compiler, 1981, Report 7160; Appendix E—PNW-DAG surface geology; map legends.

Schlicker, H. G.; Deacon, R. J.; Olcott, G. W.; Beaulieu, J. D., 1973, Environmental geology of Lincoln County, Oregon.

Sherrod, D. R., 1987, New compilation map of the Cascade Range in Oregon.

Yeats, R. S.; Graven, E. P.; Werner, K. S., 1989, Bedrock geologic map of the Willamette Valley, Oregon [abstract].

MAPS – GEOLOGIC – WASHINGTON [REGIONAL STUDIES]

Atwater, Tanya; Severinghaus, Jeff, 1989, Tectonic maps of the northeast Pacific.

Ogle Petroleum, Inc., compiler, 1981, Report 7160; Appendix E—PNW-DAG surface geology; map legends.

MAPS – GEOLOGIC – WASHINGTON – CASCADE RANGE

Bittenbender, P. E., 1991, Mid-Cretaceous orogenesis in the Huckleberry Mountain area, North Cascades, Washington.

Booth, D. B., 1989, Surficial geologic map of the Granite Falls 15-minute quadrangle, Snohomish County, Washington.

Dragovich, J. D., 1989, Petrology and structure of the Cascade River Schist in the Sibley Creek area, northern Cascades, Washington.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation of the northern Cascade mountains geomorphic province for Bumping Lake, Tieton, Keechelus, Kachess, Cle Elum, and Clear Lake dams.

Geomatrix Consultants, Inc., 1989, Seismotectonic evaluation—Northwest Rocky Mountains–Okanogan Uplands geomorphic province; Final report.

Glicken, Harry; Meyer, William; Sabol, M. A., 1989, Geology and ground-water hydrology of Spirit Lake blockage, Mount St. Helens, Washington, with implications for lake retention.

Graham, D. C., 1988, Hydrothermal alteration of serpentinite with the Devils Mountain fault zone, Skagit County, Washington.

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.

Kriens, B. J.; Wernicke, B. P., 1990, Nature of the contact zone between the North Cascades crystalline core and the Methow sequence in the Ross Lake area, Washington—Implications for Cordilleran tectonics.

Kuntz, M. A.; Rowley, P. D.; MacLeod, N. S., 1990, Geologic maps of pyroclastic-flow and related deposits of the 1980 eruptions of Mount St. Helens, Washington.

Longtine, M. W., 1991, Mid- to Late Cretaceous structural, metamorphic, and magmatic evolution of the Sloan Peak area, North Cascades, Washington.

McGroder, M. F., 1988, Structural evolution of the eastern Cascades foldbelt—Implications for late Mesozoic accretionary tectonics in the Pacific Northwest.

Reller, G. J., 1986, Structure and petrology of the Deer Peaks area, western North Cascades, Washington.

Smith, J. G., 1989, Geologic map of upper Eocene to Holocene volcanic and related rocks in the Cascade Range, Washington.

Stoffel, K. L.; Joseph, N. L.; Waggoner, S. Z.; Gulick, C. W.; Korosec, M. A.; Bunning, B. B., 1991, Geologic map of Washington—Northeast quadrant.

Swanson, D. A., 1991, Geologic map of the Tower Rock quadrangle, southern Cascade Range, Washington.

Tabor, R. W.; Booth, D. B.; Vance, J. A.; Ford, A. B.; Ort, M. H., 1988, Preliminary geologic map of the Sauk River 30 by 60 minute quadrangle, Washington.

Tabor, R. W.; Haugerud, R. A.; Brown, E. H.; Babcock, R. S.; Miller, R. B., 1989, Accreted terranes of the North Cascades Range, Washington—Spokane to Seattle, Washington July 21-29, 1989.

U.S. Geological Survey; U.S. Bureau of Mines, 1989, Mineral resources of the Alpine Lakes study area and additions, Chelan, King, and Kittitas Counties, Washington.

Wheeler, J. O.; McFeely, P., 1987, Tectonic assemblage map of the Canadian cordillera and adjacent parts of the United States of America.

MAPS – GEOLOGIC – WASHINGTON – OLYMPIC PENINSULA

Snavely, P. D., Jr.; Kvenvolden, K. A., 1989, Geology and hydrocarbon potential.

Snavely, P. D., Jr.; Niem, A. R.; MacLeod, N. S., 1989, Geology of the coastal area between Cape Flattery and Cape Alava, northwest Washington.

MAPS – GEOLOGIC – WASHINGTON – PUGET LOWLAND

Brandon, M. T.; Cowan, D. S.; Vance, J. A., 1988, The Late Cretaceous San Juan thrust system, San Juan Islands, Washington.

Clark, K. P., 1989, The stratigraphy and geochemistry of the Crescent Formation basalts and the bedrock geology of associated igneous rocks near Bremerton, Washington.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Minard, J. P.; Booth, D. B., 1988, Geologic map of the Redmond quadrangle, King County, Washington.

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

MAPS – GEOLOGIC – WASHINGTON – SOUTHWESTERN

Hodge, E. T., 1932, Report of dam sites on lower Columbia River.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon—Text and map explanation.

Dethier, D. P., 1988, The soil chronosequence along the Cowlitz River, Washington.

Evarts, R. C.; Ashley, R. P., 1990, Preliminary geologic map of the Cougar quadrangle, Cowlitz and Clark Counties, Washington.

Evarts, R. C.; Ashley, R. P., 1990, Preliminary geologic map of the Goat Mountain quadrangle, Cowlitz County, Washington.

Evarts, R. C.; Ashley, R. P., 1991, Preliminary geologic map of the Lakeview Peak quadrangle, Cowlitz County, Washington.

Stine, C. M., 1987, Stratigraphy of the Ohanapecosh Formation north of Hamilton Buttes, southcentral Washington.

Swanson, D. A., 1989, Geologic maps of the French Butte and Greenhorn Buttes quadrangles, Washington.

Wells, R. E., 1989, Geologic map of the Cape Disappointment–Naselle River area, Pacific and Wahkiakum Counties, Washington.

MAPS – GEOPHYSICAL

Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.

Finn, Carol; Phillips, W. M.; Williams, D. L., 1991, Gravity anomaly and terrain maps of Washington.

Jachens, R. C.; Simpson, R. W.; Blakely, R. J.; Saltus, R. W., 1989, Isostatic residual gravity and crustal geology of the United States.

Newitt, L. R.; Haines, G. V., 1990, Magnetic declination chart of Canada 1990.0.

Newitt, L. R.; Haines, G. V., 1990, Magnetic inclination chart of Canada 1990.0.

Newitt, L. R.; Haines, G. V., 1990, Total intensity chart of Canada 1990.0.

MARINE BIOLOGY

Gower, J. F. R., 1989, Coastal studies with the thematic mapper on the west coast of Canada.

Hemphill-Haley, Eileen, 1989, Investigation into the use of estuarine microfossil zones for determining amounts of coseismic subsidence in southwestern Washington [abstract].

Kulm, L. D.; Suess, Erwin, 1987, Fluid venting structures on the Oregon continental shelf [abstract].

Lewis, B. T. R.; Cochrane, G. R., 1990, Relationship between the location of chemosynthetic benthic communities and geologic structure on the Cascadia subduction zone.

Patterson, R. T., 1990, Paleoecological significance of foraminifera biofacies from recent tidal flats and fringing marshes of the Fraser River delta, British Columbia [abstract].

Suess, Erwin; Kulm, L. D.; Carson, Bobb; Whiticar, M. J., 1987, Fluid flow and methane fluxes from vent sites at the Oregon subduction zone [abstract].

MARINE GEOLOGY

Note: Studies of offshore areas are listed here. Studies of specific offshore areas are also listed under those specific areas, e.g., JUAN DE FUCA RIDGE.

MARINE GEOLOGY [GENERAL WORKS]

Clague, D. A.; Rona, P. A., 1990, Geology of the GR14 site on northern Gorda Ridge.

Couch, R. W.; Chase, R. L., 1973, Site survey of Paul Revere Ridge west of northern Vancouver Island.

Couch, R. W.; Kienle, C. F., Jr.; Connard, Gerry, 1978, The continental margin of the Pacific Northwest—A summary of the geological and geophysical data.

Dupras, Don, 1987, A thumbnail sketch—California's marine geology.

Fisk, M. R.; Howard, K. J., 1990, Geology and geophysics of Gorda Ridge.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, L. F.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 174.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, L. F.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 175.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, F. L.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 176.

McMurray, G. R., editor, 1990, Gorda Ridge—A seafloor spreading center in the United States' Exclusive Economic Zone.

Moore, G. W., 1984, Offshore geology, circum-Pacific region [abstract].

Rea, D. K.; Heath, G. R., 1983, Oceanography and geology of Pacific low-level waste disposal study area W-N [abstract].

Rogers, G. C.; Auld, D. R., 1985, The Juan de Fuca terrane map [abstract].

Snavely, P. D., Jr., 1984, Sixty million years of growth along the Oregon continental margin.

Snavely, P. D., Jr.; Wagner, H. C.; Lander, D. L., 1984, Land-sea geologic cross section of the southern Oregon continental margin [abstract].

Wells, R. E.; Snavely, P. D., Jr., 1989, Paleogene geologic history of the Oregon–Washington continental margin [abstract].

MARINE GEOLOGY – BATHYMETRY AND PHYSIOGRAPHY

Appelgate, T. B., Jr., 1990, Volcanic and structural morphology of the south flank of Axial volcano, Juan de Fuca Ridge—Results from a Sea MARC I side scan sonar survey.

Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Physiography of the sea-floor off northern California and southern Oregon [abstract].

Caress, D. W., 1989, Some aspects of the structure and evolution of oceanic spreading centers.

Davis, E. E.; Hyndman, R. D., 1989, Accretion and recent deformation of sediments along the northern Cascadia subduction zone.

Embley, R. W.; Murphy, K. M.; Fox, C. G., 1990, High-resolution studies of the summit of Axial volcano.

Hammond, S. R., 1990, Relationships between lava types, seafloor morphology, and the occurrence of hydrothermal venting in the ASHES vent field of Axial volcano.

Hampton, M. A.; Karl, H. A.; Kenyon, N. H., 1989, Sea-floor drainage features of Cascadia Basin and the adjacent continental slope, northeast Pacific Ocean.

Herzfeld, U. C.; Stevenson, J. M.; Fox, C. G.; Hildebrand, J. A., 1990, Multivariate geostatistical analyses of gravimetric and bathymetric surveys on the southern Juan de Fuca Ridge (NE Pacific) [abstract].

Luternauer, J. L.; Dunkley, D.; Gunkel, R.; Kostaschuk, R. A., 1989, New base map and computer graphics to help identify failures off the mouth of the Fraser River, British Columbia.

Mammerickx, Jacqueline, 1989, Bathymetry of the north Pacific Ocean.

Miller, K. L.; Rona, P. A., 1989, Bathymetric comparison of three mid-ocean ridge areas with slow-spreading characteristics.

Payton, W. H.; Lavin, P. M., 1987, Spatial coherence of Juan de Fuca seamount magnetic anomalies and modeled anomalies derived from bathymetry and gravity data [abstract].

Poujol, M.; Jacobson, R. S., 1988, Using inverse theory and SEABEAM bathymetry to improve seismic refraction data corrections.

Zervas, C. E., 1988, A finite element investigation of topographic variation at mid-ocean ridges spreading at the same rate.

MARINE GEOLOGY – DRILLING

Ryall, P. J. C., 1990, An electric drill for deep-sea coring.

MARINE GEOLOGY – EARTHQUAKES AND SEISMOLOGY

Adams, John, 1989, Turbidites off the Oregon–Washington margin record paleoearthquakes on the Cascadia subduction zone.*

Adams, John, 1990, Paleoseismicity of the Cascadia subduction zone—Evidence from turbidites off the Oregon–Washington margin.*

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.

Bobrowsky, P. T.; Clague, J. J., 1990, Holocene sediments from Saanich Inlet, British Columbia, and their neotectonic implications.

Bolt, B. A.; Lomnitz, C.; McEvilly, T. V., 1968, Seismological evidence on the tectonics of central and northern California and the Mendocino escarpment.

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Late Cenozoic structure and seismic potential of the southern Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].

Couch, R. W.; Pietrafesa, L. J., 1968, Earthquakes off the Oregon coast, January 1968 to September 1968.

Delaney, J. R.; McDuff, R. E.; Robigou, V.; Schultz, Adam; Smith, M.; Wells, J.; Atnipp, V. A.; McClain, J. S., 1990, Covariation in microseismicity and hydrothermal output in the Endeavour vent field [abstract].

Eaton, J. P., 1986, Dense microearthquake network study of northern California earthquakes.

Field, M. E.; Gardner, J. V.; Jennings, A. E.; Edwards, B. D., 1981, Seafloor failures caused by the November 8, 1980 earthquake off northern California.

Fondrk, Joseph; McClain, J. S., 1989, Observations of microseismicity related to hydrothermal vents on the Juan de Fuca Ridge [abstract].

Heaton, T. H.; Hartzell, S. H., 1987, repr. 1988, Earthquake hazards on the Cascadia subduction zone.

Huang, P. Y.; Solomon, S. C., 1988, Centroid depths of mid-ocean ridge earthquakes—Dependence on spreading rate.

Hyndman, R. D.; Rogers, G. C.; Barrett, D. L., 1977, Earthquake and seismic refraction results from ocean bottom seismometers off British Columbia [abstract].

Hyndman, R. D.; Rogers, G. C.; Bone, M. N.; Lister, C. R. B.; Wade, U. S.; Barrett, D. L.; Davis, E. E.; Lewis, T.; Lynch, Steve; Seemann, D. A., 1978, Geophysical measurements in the region of the Explorer Ridge off western Canada.

Hyndman, R. D.; Rogers, G. C.; Lee, Kiehwa, 1978, Seismicity offshore western Canada [abstract].

Hyndman, R. D.; Weichert, D. H., 1986, Seismicity and rates of relative motion on the transform faults of the Juan de Fuca Ridge system [abstract].

Johnson, D. A. L., 1987, Crustal structure and seismicity of the northern Gorda Ridge.

Johnson, S. H.; Jones, P. R., III; Gemperle, Michael, 1974, Microearthquakes on the Blanco fracture zone [abstract].

Johnson, S. H.; Shimamura, Hideki; Shibuya, K.; Takano, K.; Asada, T., 1978, OBS study of Gorda basin seismicity [abstract].

Jones, P. R., III, 1975, Microearthquake studies of the Blanco fracture zone and Gorda Ridge using sonobuoy arrays.

Kulm, L. D., 1989, Cascadia subduction zone—Structure, tectonics, and fluid processes of the accretionary wedge and adjacent abyssal plain.

Lee, Kiehwa, 1977, Earthquake swarms near the northern end of the Juan de Fuca Ridge [abstract].*

Lee, Kiehwa, 1981, An earthquake swarm west of Vancouver Island and its tectonic implications.

McClain, J. S.; Fondrk, Joseph, 1989, The nature of seismicity beneath the hydrothermal field of the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Fondrk, Joseph; Wright, M. A., 1991, Seismic events from an active hydrothermal/volcanic region, the Endeavour Segment of the Juan de Fuca Ridge [abstract].*

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1988, The seismicity beneath a hydrothermal vent field on the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1990, Microseismicity beneath hydrothermal vent fields—Comparisons of locations and times [abstract].

McPherson, B. C., 1989, Focal mechanisms and seismicity at the southern end of the Cascadia subduction zone [abstract].

Northrop, John, 1970, Accuracy of earthquake epicenters on the Gorda Ridge.

Northrop, John; Menard, H. W.; Duennebier, F. K., 1968, Seismic and bathymetric evidence of a fracture zone on Gorda Ridge.

Oregon Geology, 1991, Significant Oregon earthquakes in 1991.

Rinehart, V. J., 1964, Investigation of twelve earthquakes off the Oregon and northern California coasts.

Rogers, G. C., 1988, An assessment of the megathrust earthquake potential of the Cascadia subduction zone.

Rogers, G. C., 1988, The southern Queen Charlotte fault seismic gap [abstract].

Shoemaker, C. A., 1984, A relocation of earthquakes in the area of the Gorda Rise.

Solano, A.; Bibee, L. D., 1985, Seismicity of the Gorda Ridge [abstract].

Solano-Borrego, A. E., 1982, Microseismicity on the Gorda Ridge.

Solano-Borrego, A. E., 1984, Crustal structure and seismicity of the Gorda Ridge.

Stephens, Ernest, Jr., 1958, Intensity distribution study and fault plan solution for the Cape Mendocino, California, earthquake of October 11, 1956.

Stoddard, P. R.; Woods, M. T., 1990, Master event relocation of Gorda Block earthquakes—Implications for deformation.*

Sverdrup, Keith; Macdonald, K. C.; Prothero, W. A.; Reid, Ian, 1977, Ocean bottom seismometer measurements of earthquakes on the Gorda Rise [abstract].

Wahlstrom, Rutger; Rogers, G. C., 1990, Relocation of earthquakes offshore Vancouver Island.

Wahlstrom, Rutger; Rogers, G. C.; Ellis, R. M., 1986, Reassessment of seismicity and seismotectonic implications for the region west of Vancouver Island [abstract].

Wahlstrom, Rutger; Rogers, G. C.; Ellis, R. M., 1989, Seismicity west of the northern end of the Cascadia subduction zone [abstract].

Walker, D. A.; Hammond, S. R., 1990, Spatial and temporal distributions of T-phase source locations on the Juan de Fuca and Gorda Ridges [abstract].

Weichert, D. H.; Hyndman, R. D., 1982, Microzonation of the Queen Charlotte Islands and adjacent areas.

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

Woodcock, S. F.; Couch, R. W., 1975, The Tillamook earthquakes of 16 June 1973 [abstract].

MARINE GEOLOGY – GEOCHRONOLOGY

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.*

Goldstein, S. J.; Murrell, M. T.; Janecky, D. R., 1989, Dating young MORB from Juan de Fuca and Gorda Ridges by ^{238}U-^{230}Th disequilibrium [abstract].

Karsten, J. L.; Gillot, P.-Y.; Valladas, G., 1990, Thermoluminescence and K-Ar dating of Juan de Fuca MORB [abstract].

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.*

Mothersill, J. S., 1989, Paleomagnetic dating of postglacial sediments, Vancouver Island, Canada.

Stakes, D. S.; Moore, W. S., 1989, Ages of hydrothermal vents on the Juan de Fuca Ridge [abstract].

MARINE GEOLOGY – GEOMORPHOLOGY

Atkins, R. J.; Luternauer, J. L., 1991, Reevaluation of slope failure volume estimates involving 3D computer graphics for the Fraser River delta front, British Columbia.

Bobrowsky, P. T.; Clague, J. J., 1990, Holocene sediments from Saanich Inlet, British Columbia, and their neotectonic implications.

Bornhold, B. D.; Prior, D. B., 1988, Blocky seafloor in a deep British Columbia fjord [abstract].

Field, M. E., 1983, Sediment failure of November 1980, Klamath River Delta, northern California [abstract].

Field, M. E., 1984, The submarine landslide of 1980 off northern California.

Field, M. E.; Gardner, J. V.; Jennings, A. E.; Edwards, B. D., 1981, Seafloor failures caused by the November 8, 1980 earthquake off northern California.

Hampton, M. A.; Karl, H. A.; Kenyon, N. H., 1986, The continental slope off Washington and Oregon as displayed in GLORIA sonographs [abstract].

Hampton, M. A.; Karl, H. A.; Kenyon, N. H., 1989, Sea-floor drainage features of Cascadia Basin and the adjacent continental slope, northeast Pacific Ocean.

Holmes, M. L.; Morton, J. L.; Clague, D. A.; Embley, R. W.; Cacchione, D. A.; Abbott, D. H., 1986, Morphology and mineral resources of Gorda Ridge and Blanco fracture zone, northeast Pacific Ocean [abstract].

Karl, H. A.; Hampton, M. A.; Kenyon, N. H., 1989, Lateral migration of Cascadia Channel in response to accretionary tectonics.

Kostaschuk, R. A.; Luternauer, J. L.; McKenna, G. T.; Moslow, T. F., 1990, Morphology and sediment transport in a submarine channel system—Fraser River delta, British Columbia [abstract].

Kostaschuk, R. A.; McCann, S. B., 1989, Submarine slope stability of a fjord delta—Bella Coola, British Columbia.

Kostaschuk, R. A.; Stephan, B. A.; Luternauer, J. L., 1989, Sediment dynamics and implications for submarine landslides at the mouth of the Fraser River, British Columbia.

Luternauer, J. L.; Dunkley, D.; Gunkel, R.; Kostaschuk, R. A., 1989, New base map and computer graphics to help identify failures off the mouth of the Fraser River, British Columbia.

McKenna, G. T.; Kostaschuk, R. A., 1990, Submarine slope failures at the mouth of the Fraser River, British Columbia [abstract].

Orange, D. L.; Breen, N. A.; Dahlen, F. A., 1989, Seepage force, submarine canyons, and the inter-relationship of hydrology, geomorphology, and accretionary tectonics [abstract].

Prior, D. B.; Bornhold, B. D., 1990, Submarine slope failure processes in British Columbia fjords [abstract].

MARINE GEOLOGY – GEOPHYSICS [GENERAL WORKS]

Barone, A. M.; Ryan, W. B. F., 1988, Along-axis variations within the plate boundary zone of the southern segment of the Endeavour Ridge.

Carbotte, S. M.; Dixon, J. M.; Farrar, Edward; Davis, E. E.; Riddihough, R. P., 1989, Geological and geophysical characteristics of the Tuzo Wilson seamounts—Implications for plate geometry in the vicinity of the Pacific–North America–Explorer triple junction.

Currie, R. G.; Riddihough, R. P., 1982, Geophysical surveys in northeast Pacific [abstract].

Davis, E. E.; Currie, R. G.; Sawyer, B. S., 1988, Seafloor mapping off western Canada [abstract].

Dehler, S. A.; Clowes, R. M., 1990, Structure of the Cascadia accretionary margin of western Canada from geophysical analyses [abstract].

Dehlinger, Peter; Couch, R. W., 1969, Synthesis of geophysical results in the Juan de Fuca and Gorda Ridge areas (northeast Pacific Ocean) [abstract].

EEZ-SCAN '84 Scientific Team, 1985, Off the U.S. west coast—EEZ-SCAN program maps sea floor.

Fisk, M. R.; Howard, K. J., 1990, Geology and geophysics of Gorda Ridge.

Goldfinger, Chris; Kulm, L. D.; Yeats, R. S., 1991, Neotectonics and strike-slip faulting in the Cascadia subduction zone off Oregon and Washington [abstract].*

Klitgord, K. D., 1975, Near-bottom geophysical surveys and their implications on the crustal generation process, sea floor spreading history of the Pacific and the geomagnetic time scale—0 to 6 M.y.b.p. [abstract].

Rea, D. K.; Ness, G. E.; Heath, G. R.; Lopez, C.; Pisias, N. G., 1983, Tectonic implications of recent geological and geophysical field investigations of the Pacific low-level waste disposal study area—Offshore northern California [abstract].

Thrasher, G. P., 1977, Median valley crustal structure and sea floor spreading at the Gorda Ridge, 42° N latitude.

MARINE GEOLOGY – GEOPHYSICS – ACOUSTIC SURVEYS

Appelgate, T. B., Jr., 1989, Tectonic and volcanic structures of the southern flank of Axial volcano, Juan de Fuca Ridge—Results from a SeaMARC I sidescan sonar survey.

Appelgate, T. B., Jr., 1990, Volcanic and structural morphology of the south flank of Axial volcano, Juan de Fuca Ridge—Results from a Sea MARC I side scan sonar survey.

Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Long-range side-scan-sonar studies of the northern California and southern Oregon EEZ [abstract].

Currie, R. G.; Davis, E. E., 1986, Acoustic imagery over the northern Juan de Fuca Ridge system [abstract].

Davis, E. E.; Hyndman, R. D., 1989, Accretion and recent deformation of sediments along the northern Cascadia subduction zone.

Embley, R. W.; Murphy, K. M.; Fox, C. G., 1990, High-resolution studies of the summit of Axial volcano.

Fox, C. G., 1990, Acoustic techniques for imaging seafloor.

Goldfinger, Chris; Appelgate, T. B., Jr.; Kulm, L. D.; Yeats, R. S., 1989, Side-scan sonar imaging of probable active faults on the Juan de Fuca plate adjacent to the central Oregon continental margin [abstract].

Hampton, M. A.; Karl, H. A.; Kenyon, N. H., 1986, The continental slope off Washington and Oregon as displayed in GLORIA sonographs [abstract].

Hampton, M. A.; Karl, H. A.; Kenyon, N. H., 1989, Sea-floor drainage features of Cascadia Basin and the adjacent continental slope, northeast Pacific Ocean.

Karl, H. A.; Holmes, M. L., 1986, GLORIA II and SeaMARC II acoustic imagery of southern Juan de Fuca Ridge [abstract].

Normark, W. R.; Morton, J. L.; Saxena, N., 1990, Scaling considerations for acoustic measurement of ridge extension [abstract].

Pitt, P. L.; Smith, R. D.; Sheffler, G. C.; Warren, R. D.; Clements, R. M.; Hamilton, T. S., 1988, A pulsed plasma jet acoustic source for profiling the ocean floor.

Prior, D. B.; Bornhold, B. D., 1989, Submarine sedimentation on a developing Holocene fan delta.

Thomson, R. E.; Gordon, R. L.; Dymond, Jack, 1989, Acoustic Doppler current profiler observations of a mid-ocean ridge hydrothermal plume.

MARINE GEOLOGY – GEOPHYSICS – ELECTRICAL SURVEYS

Bahr, Karsten; Filloux, J. H., 1989, Local Sq response functions from EMSLAB data.

Chave, A. D.; Filloux, J. H.; Luther, D. S.; Law, L. K., 1989, Observations of motional electromagnetic fields during EMSLAB.

Chave, A. D.; Weertman, B. R.; Booker, J. R., 1990, Application of a galvanic static distortion removal technique to EMSLAB seafloor magnetotelluric data reveals a 2-D magnetotelluric impedance tensor aligned with the relative motion of the Juan de Fuca plate [abstract].

Law, L. K.; Nobes, D. C.; Edwards, R. N.; Wolfgram, P. A., 1986, Electrical soundings of the Juan de Fuca Ridge [abstract].

Nobes, D. C.; Law, L. K., 1991, Delineation of sediment-hosted sulphide mineralization, northern Juan de Fuca Ridge, using seafloor geophysics [abstract].

Tarits, Pascal; Filloux, J. H.; Chave, A. D., 1986, EM induction by tides in EMSLAB experiment—Tidal modes separation and electrical conductivity of the seafloor [abstract].

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Chave, A. D., 1989, Uncovering deep structure, fluid movement and melting in the Cascadia subduction system from geomagnetic induction measurements [abstract].

MARINE GEOLOGY – GEOPHYSICS – GRAVITY SURVEYS

Crawford, W. C.; Webb, S. C.; Hildebrand, J. A., 1991, Seafloor compliance observed by long-period pressure and displacement measurements.

Herzfeld, U. C.; Stevenson, J. M.; Fox, C. G.; Hildebrand, J. A., 1990, Multivariate geostatistical analyses of gravimetric and bathymetric surveys on the southern Juan de Fuca Ridge (NE Pacific) [abstract].

Hildebrand, J. A.; Stevenson, J. M.; Hammer, P. T. C.; Zumberge, M. A.; Parker, R. L.; Fox, C. G.; Meis, P. J., 1990, A seafloor and sea surface gravity survey of Axial volcano.

Holmes, M. L.; Zervas, C. E., 1989, Residual gravity anomalies on the Juan de Fuca and Gorda Ridges [abstract].

Koryakin, Y. D., 1989, Anomalii sily tyazhesti i stroyeniye podvodnykh gor severo-vostochnoy chasti Tikhogo okeana [Gravity anomalies and structure of seamounts of the Northeast Pacific].

Kulm, L. D.; Prince, R. A.; Snavely, P. D., Jr., 1973, Site survey of the northern Oregon continental margin and Astoria Fan. Appendix I, Part A

McClain, K. J.; Lewis, B. T. R., 1982, Geophysical evidence for the absence of a crustal magma chamber under the northern Juan de Fuca Ridge—A contrast with ROSE results.

Meis, P. J., 1989, Gravity anomaly of Axial volcano—The trace of a hot spot? [abstract].

Parker, R. L.; Stevenson, J. M.; Hedlin, Catherine; Hammer, P. T. C.; Meis, P. J., 1989, Inversion of gravity measurements collected over Axial Seamount [abstract].

Payton, W. H.; Lavin, P. M., 1987, Spatial coherence of Juan de Fuca seamount magnetic anomalies and modeled anomalies derived from bathymetry and gravity data [abstract].

Seemann, D. A.; Hamilton, T. S.; Halpenny, J. F., 1990, A high resolution multiparameter geophysical survey of the continental margin basin from Georgia Strait to Puget Sound [abstract].

Stephens, L. E.; Riddihough, R. P., 1977, Marine gravity surveys off Canada's west coast—A progress report [abstract].

Stevenson, J. M.; Hammer, P. T. C.; Hildebrand, J. A.; Fox, C. G., 1988, The sea-surface and seafloor gravity field of Axial volcano, Juan de Fuca Ridge [abstract].

MARINE GEOLOGY – GEOPHYSICS – MAGNETIC SURVEYS

Barr, S. M., 1974, Magnetic polarities of basalts dredged from near the northern end of Juan de Fuca Ridge [abstract].

Caress, D. W., 1989, Some aspects of the structure and evolution of oceanic spreading centers.

Currie, R. G.; Verhoef, J., 1989, Marine magnetic anomalies off western Canada—The Strait of Juan de Fuca to Dixon entrance [abstract].

Delaney, J. R.; Johnson, H. P.; Karsten, J. L., 1981, The Juan de Fuca Ridge—Hot spot—Propagating rift system—New tectonic, geochemical, and magnetic data.

DeLaurier, J. M.; Auld, D. R.; Law, L. K., 1983, The geomagnetic response across the continental margin off Vancouver Island—Comparison of results from numerical modelling and field data.

DeLaurier, J. M.; Law, L. K.; Auld, D. R., 1972, A geomagnetic profile across the northeastern continental margin of the Pacific Ocean [abstract].

Dewhurst, W. T., 1988, The simultaneous inversion of vector and total field aeromagnetic data using Bayesian inference—A case study from the Cobb Offset of the Juan de Fuca Ridge.*

Feeney, Tracey, 1989, The petrology, morphology and tectonics of Explorer Seamount.

Filloux, J. H.; Law, L. K.; Yukutake, T.; Segawa, J.; Hamano, Y.; Utada, H.; White, A.; Chave, A. D.; Tarits, Pascal; Green, A. W., Jr., 1989, OFFSHORE EMSLAB—Objectives, experimental phase and early results.

Johnson, H. P.; Tivey, M. A.; Botros, Mona; Pariso, J. E., 1986, Magnetic and tectonic structure of the Juan de Fuca region [abstract].

Klitgord, K. D., 1974, Near-bottom geophysical surveys and their implications on the crustal generation process, sea floor spreading history of the Pacific and the geomagnetic time scale—0 to 6 M.y.b.p..

Kulm, L. D.; Prince, R. A.; Snavely, P. D., Jr., 1973, Site survey of the northern Oregon continental margin and Astoria Fan. Appendix I, Part A.

LaBreque, John; Cande, Steve, 1974, Tiny wiggles and paleomagnetic field behavior [abstract].

Payton, W. H.; Lavin, P. M., 1987, Spatial coherence of Juan de Fuca seamount magnetic anomalies and modeled anomalies derived from bathymetry and gravity data [abstract].

Seemann, D. A.; Hamilton, T. S.; Halpenny, J. F., 1990, A high resolution multiparameter geophysical survey of the continental margin basin from Georgia Strait to Puget Sound [abstract].

Tiffin, D. L., 1977, Interpretation of magnetic anomalies west of Vancouver Island [abstract].

Tivey, M. A.; Johnson, H. P., 1988, The anomalous magnetic signature of Axial Seamount; Central Juan de Fuca Ridge [abstract].

Tivey, M. A.; Johnson, H. P., 1990, The magnetic structure of Axial Seamount, Juan de Fuca Ridge.

Vine, F. J., 1968, Proof of ocean-floor spreading? [abstract].

MARINE GEOLOGY – GEOPHYSICS – SEISMIC SURVEYS AND SEISMIC PROFILES

Bennett, L. C., Jr.; Henry, M.; Lewis, L., 1969, Preliminary report, RV *Thomas G. Thompson* cruise 13, continental shelf survey 17 March to 25 March, 1967.

Bennett, L. C., Jr.; Henry, M.; Lewis, L., 1969, Preliminary report, RV *Thomas G. Thompson* cruise 24, continental shelf survey 8 December to 15 December, 1967.

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.

Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Physiography of the sea-floor off northern California and southern Oregon [abstract].

Calvert, A. J.; Clowes, R. M., 1990, Reflections from the accreted margin western Canada—Evidence for the migration of fluids and a major shear zone above the subducting plate [abstract].

Calvert, A. J.; Hasselgren, E. O.; Clowes, R. M., 1990, Oceanic rift propagation—A cause of crustal underplating and seamount volcanism.

Christeson, G.; Purdy, G. M.; Rohr, K. M. M., 1989, A seismic refraction experiment along the crest of the Northern Symmetric Segment of the Juan de Fuca Ridge [abstract].

Clarke, S. H., Jr.; McClellan, P. H., 1989, Multichannel seismic-reflection profiles collected in May 1981, between latitudes 40° 40′ and 45° 00′ North, offshore of northern California and southern Oregon.

Clowes, R. M., 1986, Juan de Fuca Ridge system—Structure from a seismological perspective [abstract].

Clowes, R. M.; Calvert, A. J.; Hasselgren, E. O., 1989, Seismic reflections from a seamount on the Juan de Fuca plate [abstract].

Clowes, R. M.; Knize, Stanislav, 1979, Crustal structure from a marine seismic survey off the west coast of Canada.

Clowes, R. M.; Spence, G. D.; Ellis, R. M.; Waldron, D. A., 1986, Structure of the lithosphere in a young subduction zone—Results from reflection and refraction studies.

Clowes, R. M.; Thorleifson, A. J.; Lynch, Steve, 1978, Crustal structure from a seismic survey in Winona Basin off Canada's west coast [abstract].

Clowes, R. M.; Yorath, C. J.; Hyndman, R. D., 1987, Reflection mapping across the convergent margin of western Canada.

Cochrane, G. R.; Lewis, B. T. R., 1988, Deep-tow seismic reflection records from the Oregon lower slope [abstract].

Davis, E. E.; Hyndman, R. D., 1989, Accretion and recent deformation of sediments along the northern Cascadia subduction zone.

Davis, E. E.; Hyndman, R. D.; Villinger, Heiner, 1990, Rates of fluid expulsion across the northern Cascadia accretionary prism—Constraints from new heat flow and multichannel seismic reflection data.

Dehler, S. A.; Clowes, R. M., 1989, Structural models across the northern Cascadia subduction zone—An integration of geophysical data [abstract].

Denny, Stuart, 1988, Crustal structure of the Juan de Fuca Ridge as determined from deep towed seismic reflection profiles.

Drew, J. J.; Clowes, R. M., 1990, A re-interpretation of the seismic structure across the active subduction zone of western Canada.

Egger, A.; Ansorge, J., 1990, Interpretation of seismic refraction data–CCSS data set I—Vancouver Island–continental margin.

Hamill, Gary, 1982, Quaternary interpretation of southwest Tofino Basin, Pacific Margin, Canada.

Hamilton, T. S.; Jewsbury, G.; Frydecky, I. I., 1987, Single channel seismic data, for the Strait of Georgia—British Columbia, Canada and Washington, U.S.A..

Harding, S. T., 1988, Investigation of seismic-wave propagation for determination of crustal structure.

Harding, S. T.; Agena, W.; Nichols, D.; Lee, M., 1989, Small-boat, multi-channel, high-resolution seismic reflection survey in Puget Sound and the Strait of Juan de Fuca.

Harding, S. T.; Barnhard, T. P.; Urban, T. C., 1988, Preliminary data from the Puget Sound multichannel seismic-reflection survey.

Harding, S. T.; Urban, T. C.; Barnhard, T. P., 1988, Preliminary evidence of possible Quaternary faulting in Puget Sound, Washington, from a multichannel marine seismic reflection survey.

Hart, B. S.; Barrie, J. V.; Currie, R. G.; Luternauer, J. L.; Prior, D. B.; Macdonald, R. D., 1991, High resolution seismic and side-scan sonar mapping of the Fraser Delta front and adjacent Strait of Georgia, British Columbia.

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of a young ocean basin—Intraplate deformation observed on multichannel reflection profiles [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of the northern Juan de Fuca plate from multichannel seismic reflection data [abstract].

Hyndman, R. D.; Davis, E. E., 1989, The Cascadia accretionary prism at Vancouver Island—Thermal and pore pressure constraints on the zone of subduction thrust earthquake failure [abstract].

Hyndman, R. D.; Rogers, G. C.; Barrett, D. L., 1977, Earthquake and seismic refraction results from ocean bottom seismometers off British Columbia [abstract].

Hyndman, R. D.; Rogers, G. C.; Bone, M. N.; Lister, C. R. B.; Wade, U. S.; Barrett, D. L.; Davis, E. E.; Lewis, T.; Lynch, Steve; Seemann, D. A., 1978, Geophysical measurements in the region of the Explorer Ridge off western Canada.

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Spence, G. D., 1990, Multichannel seismic survey of the Tofino Basin off Vancouver Island [abstract].

Iwasaki, Takaya; Shimamura, Hideki, 1990, Velocity structure model determined from onshore-offshore seismic profiling across Vancouver Island and adjacent continental margin.

Keach, R. W., II; Potter, C. J., 1989, Eocene to present active margin tectonics, western Oregon, as revealed by deep reflection profiles [abstract].

Knize, Stanislav; Clowes, R. M., 1977, Marine deep seismic sounding off the west coast of Canada [abstract].

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.*

Lister, C. R. B.; deCharon, A. V.; Chiao, L., 1987, Profile delineates tilted sedimentary blocks on both sides of Cascadia spreading center in the Blanco transform [abstract].

Lynch, Steve; Clowes, R. M., 1977, A marine seep seismic sounding profile along Winona Basin, west of N. Vancouver Island [abstract].

Lynn, W.; Lamer, K., 1989, Effectiveness of wide marine seismic source arrays.

Malacek, S. J.; Clowes, R. M., 1978, Crustal structure near Explorer Ridge from a marine deep seismic sounding survey.

McClain, K. J.; Lewis, B. T. R., 1982, Geophysical evidence for the absence of a crustal magma chamber under the northern Juan de Fuca Ridge—A contrast with ROSE results.

Miller, K. L.; Rona, P. A., 1989, Bathymetric comparison of three mid-ocean ridge areas with slow-spreading characteristics.

Poujol, M.; Jacobson, R. S., 1988, Using inverse theory and SEABEAM bathymetry to improve seismic refraction data corrections.

Purdy, G. M.; Christeson, G.; Rohr, K. M. M., 1989, An on-bottom refraction profile on the eastern flank of the Endeavor Segment of the Juan de Fuca Ridge recorded using a deep towed explosive source [abstract].

Rhoads, Linden, 1990, Offshore seismic survey data now available.

Rohr, K. M. M., 1989, Shale diapirism and thrusting in the accretionery [sic] front of Vancouver Island [abstract].

Rohr, K. M. M.; Lewis, B. T. R., 1987, Shallow crustal reflections from the Juan de Fuca rise [abstract].

Rohr, K. M. M.; Milkereit, Bernd; Yorath, C. J., 1988, Asymmetric deep crustal structure across the Juan de Fuca Ridge.

Seely, D. R., 1977, The significance of landward vergence and oblique structural trends on trench inner slopes.

Seemann, D. A.; Hamilton, T. S.; Halpenny, J. F., 1990, A high resolution multiparameter geophysical survey of the continental margin basin from Georgia Strait to Puget Sound [abstract].

Sen, M. K.; Chapman, N. R.; Mallick, Subhashis; Frazer, L. N., 1986, Analysis of multi-path sound propagation in the ocean [abstract].

Spence, G. D., 1981, VISP 80—A seismic project to study the oceanic/continental lithosphere transition across Vancouver Is. [abstract].

Thrasher, G. P.; Johnson, S. H., 1977, Velocity structure of the Gorda Ridge median valley at 42.3° N, 127.0° W [abstract].*

Trehu, A. M.; Holt, T.; Shi, J.; Nakamura, Y.; Brocher, T.; Moses, M., 1990, Preliminary results from the 1989 Oregon onshore-offshore seismic imaging experiment [abstract].*

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Van Heeswijk, Marijke, 1987, Shallow crustal structure of the caldera of Axial Seamount, Juan de Fuca Ridge.

Waldron, D. A.; Clowes, R. M., 1982, VISP II—Structural characteristics of the subducting oceanic plate off western Canada [abstract].

Waldron, D. A.; Clowes, R. M.; White, D. J., 1990, Seismic structure of a subducting oceanic plate off western Canada.

Webb, S. C.; Hildebrand, J. A.; Fox, C. G.; Crawford, W. C.; Hammer, P. T. C.; Herzfeld, U. C.; McDonald, M. A.; Stevenson, J. M., 1990, Geophysical studies at the megaplume site on the southern Juan de Fuca Ridge [abstract].

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

Wrolstad, K. H.; Johnson, S. H., 1977, Sonobuoy velocity profile from the continental shelf to the Gorda Ridge [abstract].

MARINE GEOLOGY – GEOPHYSICS – THERMAL SURVEYS and GEOTHERMAL RESOURCES

Abbott, D. H., 1986, Heat flow results from the Gorda Ridge.

Davis, E. E.; Hyndman, R. D.; Villinger, Heiner, 1990, Rates of fluid expulsion across the northern Cascadia accretionary prism—Constraints from new heat flow and multichannel seismic reflection data.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1988, Subduction of the Juan de Fuca plate—Thermal consequences.

Moran, J. E., 1986, Heat flow and the thermal evolution of Cascadia Basin.

Shi, Yaolin; Wang, C.-Y., 1988, Heat flow and thermal structure of the Washington–Oregon accretionary prism—A study of the lower slope.

Trivett, D. A.; Williams, A. J., III, 1990, Velocity and temperature profiles of diffuse hydrothermal flow at the southern Juan de Fuca Ridge [abstract].

Wang, C.-Y.; Shi, Yaolin; Kulm, L. D.; Langseth, M. G., 1989, Thermal constraints on fluid expulsion rate in accretionary prisms—A study of the Oregon–Washington margin [abstract].

MARINE GEOLOGY – GROUND DEFORMATION

Fox, C. G., 1990, Evidence of active ground deformation on the mid-ocean ridge—Axial Seamount, Juan de Fuca Ridge, April-June 1988.

MARINE GEOLOGY – HYDROTHERMAL VENTS

Baker, E. T.; Massoth, G. J., 1986, The along-strike distribution of hydrothermal activity on a spreading segment of the Juan de Fuca Ridge [abstract].

Delaney, J. R.; McDuff, R. E.; Robigou, V.; Schultz, Adam; Smith, M.; Wells, J.; Atnipp, V. A.; McClain, J. S., 1990, Covariation in microseismicity and hydrothermal output in the Endeavour vent field [abstract].

Embley, R. W.; Chadwick, W. W., Jr.; Perfit, M. R.; Baker, E. T., 1991, Geology of the northern Cleft segment, Juan de Fuca Ridge—Recent lava flows, seafloor spreading, and the formation of megaplumes.

Fondrk, Joseph; McClain, J. S., 1989, Observations of microseismicity related to hydrothermal vents on the Juan de Fuca Ridge [abstract].

Hammond, S. R., 1990, Relationships between lava types, seafloor morphology, and the occurrence of hydrothermal venting in the ASHES vent field of Axial volcano.

Kadko, D. C., 1990, In-situ gamma spectrometry of a warm vent fluid emanating from the north Cleft area of the southern Juan de Fuca Ridge [abstract].

Karsten, J. L.; Delaney, J. R., 1989, Hot spot–ridge crest convergence in the northeast Pacific.

McClain, J. S.; Fondrk, Joseph, 1989, The nature of seismicity beneath the hydrothermal field of the Endeavour Segment of the Juan de Fuca Ridge [abstract].

McClain, J. S.; Wright, M. A.; Fondrk, Joseph, 1988, The seismicity beneath a hydrothermal vent field on the Endeavour Segment of the Juan de Fuca Ridge [abstract].

Olivarez, A. M.; Owen, R. M., 1986, Geochemical associations of the rare earth elements in a shallow core from the Juan de Fuca Ridge [abstract].

Stakes, D. S.; Moore, W. S., 1989, Ages of hydrothermal vents on the Juan de Fuca Ridge [abstract].

Thomson, R. E.; Gordon, R. L.; Dymond, Jack, 1989, Acoustic Doppler current profiler observations of a mid-ocean ridge hydrothermal plume.

Trivett, D. A.; Williams, A. J., III, 1990, Velocity and temperature profiles of diffuse hydrothermal flow at the southern Juan de Fuca Ridge [abstract].

Turner, R. J. W.; Leitch, C. H. B.; Ames, D. E.; Höy, Trygve; Franklin, J. M.; Goodfellow, W. D., 1991, Character of hydrothermal mounds and adjacent altered sediments, active hydrothermal areas, Middle Valley sedimented rift, northern Juan de Fuca Ridge, northeastern Pacific—Evidence from ALVIN push cores.

MARINE GEOLOGY – STRUCTURES AND TECTONICS [GENERAL WORKS]

Appelgate, T. B., Jr., 1989, Tectonic and volcanic structures of the southern flank of Axial volcano, Juan de Fuca Ridge—Results from a SeaMARC I sidescan sonar survey.

Atwater, Tanya, 1989, Plate tectonic history of the northeast Pacific and western North America.

Atwater, Tanya; Severinghaus, Jeff, 1989, Tectonic maps of the northeast Pacific.

Barone, A. M.; Ryan, W. B. F., 1988, Along-axis variations within the plate boundary zone of the southern segment of the Endeavour Ridge.

Bennett, L. C., Jr.; Henry, M.; Lewis, L., 1969, Preliminary report, RV *Thomas G. Thompson* cruise 13, continental shelf survey 17 March to 25 March, 1967.

Bennett, L. C., Jr.; Henry, M.; Lewis, L., 1969, Preliminary report, RV *Thomas G. Thompson* cruise 24, continental shelf survey 8 December to 15 December, 1967.

Bolt, B. A.; Lomnitz, C.; McEvilly, T. V., 1968, Seismological evidence on the tectonics of central and northern California and the Mendocino escarpment.

Botros, Mona; Johnson, H. P., 1988, Tectonic evolution of the Explorer–northern Juan de Fuca region from 8 Ma to the present.

Carbotte, S. M.; Dixon, J. M.; Farrar, Edward; Davis, E. E.; Riddihough, R. P., 1989, Geological and geophysical characteristics of the Tuzo Wilson seamounts—Implications for plate geometry in the vicinity of the Pacific–North America–Explorer triple junction.

Clague, D. A.; Holmes, M. L., 1987, Geology, petrology, and mineral potential of the Gorda Ridge.

Clarke, S. H., Jr., 1987, Geology of the California continental margin north of Cape Mendocino.

Clowes, R. M., 1986, Juan de Fuca Ridge system—Structure from a seismological perspective [abstract].

Clowes, R. M.; Knize, Stanislav, 1979, Crustal structure from a marine seismic survey off the west coast of Canada.

Clowes, R. M.; Thorleifson, A. J.; Lynch, Steve, 1978, Crustal structure from a seismic survey in Winona Basin off Canada's west coast [abstract].

Crawford, W. C.; Webb, S. C.; Hildebrand, J. A., 1991, Seafloor compliance observed by long-period pressure and displacement measurements.

Currie, R. G.; Davis, E. E., 1986, Acoustic imagery over the northern Juan de Fuca Ridge system [abstract].

Currie, R. G.; Riddihough, R. P., 1982, Geophysical surveys in northeast Pacific [abstract].

Dehlinger, Peter; Couch, R. W., 1969, Synthesis of geophysical results in the Juan de Fuca and Gorda Ridge areas (northeast Pacific Ocean) [abstract].

Delaney, J. R.; Karsten, J. L.; Hammond, S. R., 1986, Petrology and tectonics of the Juan de Fuca Ridge [abstract].

Denny, Stuart, 1988, Crustal structure of the Juan de Fuca Ridge as determined from deep towed seismic reflection profiles.

Denton, A. W. S., 1986, Tectonics and sediment geochemistry of Tuzo Wilson seamounts, northeast Pacific Ocean.

Dewhurst, W. T., 1989, The simultaneous inversion of vector and total field aeromagnetic data using Bayesian inference—A case study from the Cobb Offset of the Juan de Fuca Ridge [abstract].

Drummond, K. J., chairman; and others, 1982, rev. 1984, Plate-tectonic map of the circum-Pacific region, Pacific Basin sheet.

Fox, C. G., 1988, Central Axial caldera—The site of recent vertical tectonics [abstract].

Hamill, Gary, 1982, Quaternary interpretation of southwest Tofino Basin, Pacific Margin, Canada.

Hooft, E.; Rohr, K. M. M.; Davis, E. E.; Currie, R. G., 1989, A comparison of thermal subsidence curves for young Pacific and Juan de Fuca plates at the Endeavour Segment [abstract].

Hyndman, R. D., 1987, A review of the present plate regime along the British Columbia and Washington margin [abstract].

Hyndman, R. D.; Herzer, R. H.; Riddihough, R. P., 1978, The Nootka fault zone—A new plate boundary off western Canada [abstract].

Hyndman, R. D.; Rogers, G. C.; Bone, M. N.; Lister, C. R. B.; Wade, U. S.; Barrett, D. L.; Davis, E. E.; Lewis, T.; Lynch, Steve; Seemann, D. A., 1978, Geophysical measurements in the region of the Explorer Ridge off western Canada.

Hyndman, R. D.; Weichert, D. H., 1986, Seismicity and rates of relative motion on the transform faults of the Juan de Fuca Ridge system [abstract].

Johnson, D. A. L., 1987, Crustal structure and seismicity of the northern Gorda Ridge.

Johnson, H. P.; Holmes, M. L., 1989, Evolution in plate tectonics—The Juan de Fuca Ridge.

Johnson, H. P.; Tivey, M. A.; Botros, Mona; Pariso, J. E., 1986, Magnetic and tectonic structure of the Juan de Fuca region [abstract].

Kadko, D. C., 1990, In-situ gamma spectrometry of a warm vent fluid emanating from the north Cleft area of the southern Juan de Fuca Ridge [abstract].

Kappel, E. S.; Franklin, J. M., 1989, Relationships between geologic development of ridge crests and sulfide deposits in the northeast Pacific Ocean.

Karl, H. A.; Hampton, M. A.; Kenyon, N. H., 1989, Lateral migration of Cascadia Channel in response to accretionary tectonics.

Karl, H. A.; Holmes, M. L., 1986, GLORIA II and SeaMARC II acoustic imagery of southern Juan de Fuca Ridge [abstract].

Karsten, J. L.; Delaney, J. R., 1989, Hot spot–ridge crest convergence in the northeast Pacific.

Levy, S.; Rohr, K. M. M., 1989, Episodic crustal structure? Evidence for short scale crustal variation in young Pacific crust [abstract].

Malacek, S. J.; Clowes, R. M., 1978, Crustal structure near Explorer Ridge from a marine deep seismic sounding survey.

Malahoff, Alexander, 1981, Comparison between Galapagos and Gorda spreading centers.

Masson, D. G.; Cacchione, D. A.; Drake, D. E., 1988, Tectonic evolution of Gorda Ridge inferred from sidescan sonar images.

Morton, J. L.; Normark, W. R.; Clague, D. A.; Holmes, M. L., 1987, Fine-scale segmentation of the sedimented southern Gorda Ridge, offshore northern California [abstract].

Muller, J. E., 1977, Evolution of the Pacific margin, Vancouver Island, and adjacent regions.

Normark, W. R.; Morton, J. L.; Saxena, N., 1990, Scaling considerations for acoustic measurement of ridge extension [abstract].

Northrop, John; Menard, H. W.; Duennebier, F. K., 1968, Seismic and bathymetric evidence of a fracture zone on Gorda Ridge.

Odegard, M. E., 1978, Upper mantle structure of the Gorda–Juan de Fuca Ridge system [abstract].

Palmer, S. P., 1989, Stratigraphic and structural interpretation of Willapa Basin [abstract].

Phipps, J. B., 1974, Sediments and tectonics of the Gorda–Juan de Fuca plate.*

Riddihough, R. P., 1977, Recent plate tectonics off Canada's west coast [abstract].

Riddihough, R. P., 1985, A model for the tectonic development of the Explorer Ridge and Sovanco fracture zone [abstract].

Riddihough, R. P., 1987, Predicted present plate motions in the Vancouver Island region [abstract].

Riddihough, R. P.; Currie, R. G.; Davis, E. E.; Rogers, G. C.; Hyndman, R. D., 1978, The Dellwood Knolls—The link between Explorer Ridge and the Queen Charlotte fault? [abstract].

Riddihough, R. P.; Hyndman, R. D., 1989, Queen Charlotte Islands margin.

Rohr, K. M. M.; Lewis, B. T. R., 1987, Shallow crustal reflections from the Juan de Fuca rise [abstract].

Rohr, K. M. M.; Milkereit, Bernd; Yorath, C. J., 1988, Asymmetric deep crustal structure across the Juan de Fuca Ridge.

Ryberg, P. T., 1989, Paleocene to early Eocene depositional systems along a tectonically active continental margin, southwestern Oregon [abstract].

Shoberg, Tom; Stein, Seth; Karsten, J. L., 1989, Constraints on rift propagation history at the Cobb Offset, Juan de Fuca Ridge, from numerical modeling of tectonic fabric [abstract].

Solano-Borrego, A. E., 1984, Crustal structure and seismicity of the Gorda Ridge.

Stoddard, P. R., 1987, A kinematic model for the evolution of the Gorda plate.

Stoddard, P. R., 1989, Kinematic models of the evolution of the Gorda rise and President Jackson Seamount chain.

Stoddard, P. R., 1989, Kinematic studies—Ridge evolution, Gorda plate, and Deccan traps.

Stoddard, P. R., 1991, A comparison of brittle deformation models for the Gorda plate.

Stoddard, P. R.; Jurdy, D. M., 1987, Evolution of the Gorda rise—A kinematic model [abstract].

Stoddard, P. R.; Jurdy, D. M., 1987, A kinematic model for the evolution of the Gorda Rise [abstract].

Thrasher, G. P.; Johnson, S. H., 1977, Velocity structure of the Gorda Ridge median valley at 42.3° N, 127.0° W [abstract].*

Van Heeswijk, Marijke, 1987, Shallow crustal structure of the caldera of Axial Seamount, Juan de Fuca Ridge.

Vincent, Paul; Richards, M. A.; Weldon, R. J., II, 1990, Vertical deformation of the Oregon Cascadia margin [abstract].

Von Huene, Roland; Kulm, L. D., 1973, Tectonic summary of Leg 18.

Webb, S. C.; Hildebrand, J. A., 1988, Constraints on crustal structure beneath Axial volcano derived from long period acceleration and pressure measurements [abstract].

Webb, S. C.; Hildebrand, J. A.; Fox, C. G.; Crawford, W. C.; Hammer, P. T. C.; Herzfeld, U. C.; McDonald, M. A.; Stevenson, J. M., 1990, Geophysical studies at the megaplume site on the southern Juan de Fuca Ridge [abstract].

Wilson, D. S., 1988, Tectonic history of the Juan de Fuca Ridge over the last 40 million years.

Wilson, D. S., 1989, Deformation of the so-called Gorda plate.

Wilson, D. S., 1990, Kinematics of overlapping rift propagation with cyclic rift failure.

Yorath, C. J.; Massey, N. W. D., 1989, Tertiary accretion history of the Vancouver Island continental margin [abstract].

Marine geology – Structures and tectonics – Accretionary prisms, *see* **MARINE GEOLOGY – STRUCTURES AND TECTONICS – SUBDUCTION**

MARINE GEOLOGY – STRUCTURES AND TECTONICS – FAULTS

Calvert, A. J.; Hasselgren, E. O.; Clowes, R. M., 1990, Oceanic rift propagation—A cause of crustal underplating and seamount volcanism.

Clarke, S. H., Jr.; Carver, G. A., 1989, Late Cenozoic structure and seismic potential of the southern Cascadia subduction zone [abstract].

deCharon, A. V., 1989, Structure and tectonics of Cascadia segment, central Blanco transform fault zone.

Embley, R. W.; Kulm, L. D.; Massoth, G. J.; Abbott, D. H.; Holmes, M. L., 1987, Morphology, structure and resource potential of the Blanco transform fault zone.

Goldfinger, Chris; Appelgate, T. B., Jr.; Kulm, L. D.; Yeats, R. S., 1989, Sidescan sonar imaging of probable active faults on the Juan de Fuca plate adjacent to the central Oregon continental margin [abstract].

Goldfinger, Chris; Kulm, L. D.; Yeats, R. S., 1991, Neotectonics and strike-slip faulting in the Cascadia subduction zone off Oregon and Washington [abstract].*

Goldfinger, Chris; MacKay, M. E.; Kulm, L. D.; Yeats, R. S., 1990, Neotectonics and possible segmentation of the Juan de Fuca plate and Cascadia subduction zone off central Oregon [abstract].

Harding, S. T., 1988, Investigation of seismic-wave propagation for determination of crustal structure.

Harding, S. T.; Urban, T. C.; Barnhard, T. P., 1988, Preliminary evidence of possible Quaternary faulting in Puget Sound, Washington, from a multichannel marine seismic reflection survey.

Hyndman, R. D.; Riddihough, R. P.; Herzer, R., 1979, The Nootka fault zone—A new plate boundary off western Canada.

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Lister, C. R. B.; deCharon, A. V.; Chiao, L., 1987, Profile delineates tilted sedimentary blocks on both sides of Cascadia spreading center in the Blanco transform [abstract].

Rohr, K. M. M., 1989, Shale diapirism and thrusting in the accretionery [sic] front of Vancouver Island [abstract].

Tobin, J. H.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Moore, G. F.; Orange, D. L., 1991, ALVIN observations at the central Oregon accretionary prism—Evidence for fault control of fluid seepage [abstract].

MARINE GEOLOGY – STRUCTURES AND TECTONICS – SEA FLOOR SPREADING

Baker, E. T.; Massoth, G. J., 1986, The along-strike distribution of hydrothermal activity on a spreading segment of the Juan de Fuca Ridge [abstract].

Caress, D. W., 1989, Some aspects of the structure and evolution of oceanic spreading centers.

Delaney, J. R.; Johnson, H. P.; Karsten, J. L., 1981, The Juan de Fuca Ridge—Hot spot—Propagating rift system—New tectonic, geochemical, and magnetic data.

Embley, R. W.; Chadwick, W. W., Jr.; Fox, C. G., 1990, New evidence for volcanic eruptions on the southern Juan de Fuca Ridge during the 1980's—Implications for megaplumes and seafloor monitoring [abstract].

Embley, R. W.; Chadwick, W. W., Jr.; Perfit, M. R.; Baker, E. T., 1991, Geology of the northern Cleft segment, Juan de Fuca Ridge—Recent lava flows, seafloor spreading, and the formation of megaplumes.

Huang, P. Y.; Solomon, S. C., 1988, Centroid depths of mid-ocean ridge earthquakes—Dependence on spreading rate.

Klitgord, K. D., 1974, Near-bottom geophysical surveys and their implications on the crustal generation process, sea floor spreading history of the Pacific and the geomagnetic time scale—0 to 6 M.y.b.p.*

Lister, C. R. B.; deCharon, A. V.; Chiao, L., 1987, Profile delineates tilted sedimentary blocks on both sides of Cascadia spreading center in the Blanco transform [abstract].

Miller, K. L.; Rona, P. A., 1989, Bathymetric comparison of three mid-ocean ridge areas with slow-spreading characteristics.

Moore, G. W., 1970, Sea-floor spreading at the junction between Gorda Rise and Mendocino Ridge.

Thrasher, G. P., 1977, Median valley crustal structure and sea floor spreading at the Gorda Ridge, 42° N latitude.

Vine, F. J., 1968, Proof of ocean-floor spreading? [abstract].

Zervas, C. E., 1988, A finite element investigation of topographic variation at mid-ocean ridges spreading at the same rate.

Zonenshain, L. P.; Kuzmin, M. I.; Bogdanov, Y. A.; Lisitsin, A. P., 1987, A catastrophic event on the Juan de Fuca spreading center at Axial Mt. (46° N) [abstract].

MARINE GEOLOGY – STRUCTURES AND TECTONICS – SUBDUCTION

Adams, John, 1987, Paleoseismicity of the Cascadia subduction zone [abstract].

Adams, John, 1989, Turbidites off the Oregon–Washington margin record paleoearthquakes on the Cascadia subduction zone.*

Adams, John, 1990, Paleoseismicity of the Cascadia subduction zone—Evidence from turbidites off the Oregon–Washington margin.*

Brandon, M. T.; Davis, E. E.; Dragert, Herb; Hudson, R. D., 1987, The potential for geodetic monitoring of aseismic slip at the surface trace of the Vancouver Island subduction thrust [abstract].

Calvert, A. J.; Clowes, R. M., 1990, Reflections from the accreted margin western Canada—Evidence for the migration of fluids and a major shear zone above the subducting plate [abstract].

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Late Cenozoic structure and seismic potential of the southern Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].

Clowes, R. M., 1984, Transect B2—Lithospheric structure across an accretionary margin off western Canada [abstract].

Clowes, R. M.; Spence, G. D.; Ellis, R. M.; Waldron, D. A., 1986, Structure of the lithosphere in a young subduction zone—Results from reflection and refraction studies.

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Couch, R. W.; Riddihough, R. P., 1989, The crustal structure of the western continental margin of North America.

Davis, E. E.; Hyndman, R. D., 1989, Accretion and recent deformation of sediments along the northern Cascadia subduction zone.

deCharon, A. V., 1989, Structure and tectonics of Cascadia segment, central Blanco transform fault zone.

Dehler, S. A.; Clowes, R. M., 1989, Structural models across the northern Cascadia subduction zone—An integration of geophysical data [abstract].

Dehler, S. A.; Clowes, R. M., 1990, Structure of the Cascadia accretionary margin of western Canada from geophysical analyses [abstract].

DeLaurier, J. M.; Auld, D. R.; Law, L. K., 1983, The geomagnetic response across the continental margin off Vancouver Island—Comparison of results from numerical modelling and field data.

Drew, J. J.; Clowes, R. M., 1990, A re-interpretation of the seismic structure across the active subduction zone of western Canada.

Egger, A.; Ansorge, J., 1990, Interpretation of seismic refraction data–CCSS data set I—Vancouver Island–continental margin.

Finn, Carol, 1989, Structure of the convergent Washington margin.

Finn, Carol, 1990, Geophysical constraints on Washington convergent margin structure.

Fowler, C. M. R.; Pandit, B. I., 1990, Analysis of CCSS data set I—Reflection-refraction data from the Vancouver Island continental margin of western Canada.

Goldfinger, Chris; Appelgate, T. B., Jr.; Kulm, L. D.; Yeats, R. S., 1989, Side-scan sonar imaging of probable active faults on the Juan de Fuca plate adjacent to the central Oregon continental margin [abstract].

Goldfinger, Chris; Kulm, L. D.; Yeats, R. S., 1991, Neotectonics and strike-slip faulting in the Cascadia subduction zone off Oregon and Washington [abstract].*

Goldfinger, Chris; MacKay, M. E.; Kulm, L. D.; Yeats, R. S., 1990, Neotectonics and possible segmentation of the Juan de Fuca plate and Cascadia subduction zone off central Oregon [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of a young ocean basin—Intraplate deformation observed on multichannel reflection profiles [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of the northern Juan de Fuca plate from multichannel seismic reflection data [abstract].

Heaton, T. H.; Hartzell, S. H., 1987, repr. 1988, Earthquake hazards on the Cascadia subduction zone.

Horath, F. L.; Moore, J. C., 1989, Permeability evolution in the Cascadia accretionary terrane; Examples from the submarine prism and uplifted shear zones [abstract].

Hyndman, R. D.; Davis, E. E., 1989, The Cascadia accretionary prism at Vancouver Island—Thermal and pore pressure constraints on the zone of subduction thrust earthquake failure [abstract].

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Rohr, K. M. M.; Law, L. K., 1989, Vancouver Island accretionary sedimentary prism [abstract].

Iwasaki, Takaya; Shimamura, Hideki, 1990, Velocity structure model determined from onshore-offshore seismic profiling across Vancouver Island and adjacent continental margin.

Keach, R. W., II; Potter, C. J., 1989, Eocene to present active margin tectonics, western Oregon, as revealed by deep reflection profiles [abstract].

Kulm, L. D., 1989, Cascadia subduction zone—Structure, tectonics, and fluid processes of the accretionary wedge and adjacent abyssal plain.

Kulm, L. D.; Embley, R. W., 1988, Nature of the deformation front along the Oregon–Washington subduction zone.

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1988, Subduction of the Juan de Fuca plate—Thermal consequences.

McPherson, B. C., 1989, Focal mechanisms and seismicity at the southern end of the Cascadia subduction zone [abstract].

Moore, J. C.; Cochrane, G. R.; MacKay, M. E.; Moore, G. F.; Brown, Kevin, 1991, Dilational stain waves along thrust faults of the modern Oregon accretionary prism [abstract].

Orange, D. L.; Breen, N. A.; Dahlen, F. A., 1989, Seepage force, submarine canyons, and the inter-relationship of hydrology, geomorphology, and accretionary tectonics [abstract].

Reid, M. R.; Sample, J. C., 1991, Seawater and continental sources for syn-tectonic diagenetic carbonate in the Cascadia accretionary wedge, Oregon—Sr and Nd isotope evidence [abstract].

Rogers, G. C., 1988, An assessment of the megathrust earthquake potential of the Cascadia subduction zone.

Sample, J. C.; Reid, M. R.; Moore, J. C., 1991, Isotopic evidence from syn-tectonic diagenetic carbonate for deeply-derived fluids in the Cascadia accretionary wedge, Oregon [abstract].

Seemann, D. A.; Hamilton, T. S.; Halpenny, J. F., 1990, A high resolution multiparameter geophysical survey of the continental margin basin from Georgia Strait to Puget Sound [abstract].

Shi, Yaolin; Wang, C.-Y., 1988, Heat flow and thermal structure of the Washington–Oregon accretionary prism—A study of the lower slope.

Silver, E. A.; Breen, N. A.; Ellis, M. J.; Shipley, T. H., 1986, Comment and reply on "Comments on the growth of accretionary wedges"—Reply.

Strasser, J. C.; Carson, Bobb; Lewis, B. T. R., 1989, Velocity-derived porosity distribution of the lower Oregon margin accretionary prism—Implications for dewatering [abstract].

Sykes, L. R.; Byrne, D. E.; Davis, D. M., 1987, Seismic and aseismic subduction, Part 2—Aseismic slip at zones of massive sediment supply and nature of great asperities at convergent margins [abstract].

Tobin, H. J.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Orange, D. L.; Moore, G. F.; Kulm, L. D., 1991, Generation of fracture permeability along a vertical fault at the Oregon accretionary margin and implications for wedge thrust vergence [abstract].

Trehu, A. M.; Holt, T.; Shi, J.; Nakamura, Y.; Brocher, T.; Moses, M., 1990, Preliminary results from the 1989 Oregon onshore-offshore seismic imaging experiment [abstract].*

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Wahlstrom, Rutger; Rogers, G. C.; Ellis, R. M., 1989, Seismicity west of the northern end of the Cascadia subduction zone [abstract].

Waldron, D. A.; Clowes, R. M., 1982, VISP II—Structural characteristics of the subducting oceanic plate off western Canada [abstract].

Waldron, D. A.; Clowes, R. M.; White, D. J., 1990, Seismic structure of a subducting oceanic plate off western Canada.

Wang, C.-Y.; Shi, Yaolin; Kulm, L. D.; Langseth, M. G., 1989, Thermal constraints on fluid expulsion rate in accretionary prisms—A study of the Oregon–Washington margin [abstract].

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Chave, A. D., 1989, Uncovering deep structure, fluid movement and melting in the Cascadia subduction system from geomagnetic induction measurements [abstract].

Yorath, C. J.; Davis, E. E., 1988, Cenozoic accretion history of the Vancouver Island continental margin [abstract].

MARINE GEOLOGY – SUBDUCTION ZONE FLUID VENTING

see also MARINE SEDIMENTS – SUBDUCTION ZONE DEFORMATION

Carson, Bobb; Holmes, M. L.; Johnson, H. P., 1989, Large-scale diagenetic carbonate deposits on the Washington margin—GLORIA imagery of subduction zone fluid expulsion patterns [abstract].

Carson, Bobb; Suess, Erwin; Strasser, J. C., 1990, Fluid flow and mass flux determinations at vent sites on the Cascadia margin accretionary prism.

Cochrane, G. R.; Moore, J. C.; MacKay, M. E.; Moore, G. F., 1990, Fluid flow in the Oregon accretionary prism from seismic data and vents [abstract].

Davis, E. E.; Hyndman, R. D.; Villinger, Heiner, 1989, Thermal structure, physical properties and fluid expulsion in the northern Cascadia accretionary prism off Vancouver Island [abstract].

Davis, E. E.; Hyndman, R. D.; Villinger, Heiner, 1990, Rates of fluid expulsion across the northern Cascadia accretionary prism—Constraints from new heat flow and multichannel seismic reflection data.

Fyfe, W. S.; Kerrich, R.; Hicock, S. R.; Colloza, F. C., 1987, LITHOPROBE—Faults and fluids.

Han, M. W., 1987, Dynamics and chemistry of pore fluids in marine sediments of different tectonic settings—Oregon subduction zone and Bransfield Strait extensional basin.*

Han, M. W.; Suess, Erwin, 1989, Subduction-induced pore fluid venting and the formation of authigenic carbonates along the Cascadia continental margin—Implications for the global Ca-cycle.

Henry, P.; Wang, C.-Y., 1990, Modeling of fluid flow and pore pressure at the toe of the Oregon and Barbados accretionary wedges [abstract].

Horath, F. L.; Moore, J. C., 1989, Permeability evolution in the Cascadia accretionary terrane; Examples from the submarine prism and uplifted shear zones [abstract].

Kulm, L. D., 1989, Cascadia subduction zone—Structure, tectonics, and fluid processes of the accretionary wedge and adjacent abyssal plain.

Kulm, L. D.; Suess, Erwin, 1987, Fluid venting structures on the Oregon continental shelf [abstract].

Kulm, L. D.; Suess, Erwin, 1989, Interrelationships of authigenic carbonate deposits, vent fluids and geologic structures—Oregon accretionary prism [abstract].

Kulm, L. D.; Suess, Erwin, 1990, Relationship between carbonate deposits and fluid venting—Oregon accretionary prism.*

Kulm, L. D.; Suess, Erwin; Moore, J. C.; Carson, Bobb; Lewis, B. T. R.; Ritger, S. D.; Kadko, D. C.; Thornburg, T. M.; Embley, R. W.; and others, 1988, Oregon subduction zone—Venting, fauna, and carbonates.

Kulm, L. D.; Suess, Erwin; Snavely, P. D., Jr., 1988, Fluid venting structures on the northern Oregon continental shelf.

Shi, Yaolin; Wang, C.-Y.; Hwang, W.-T.; Von Huene, Roland, 1989, Hydrogeological modeling of porous flow in the Oregon accretionary prism.

Strasser, J. C.; Carson, Bobb; Lewis, B. T. R., 1989, Velocity-derived porosity distribution of the lower Oregon margin accretionary prism—Implications for dewatering [abstract].

Suess, Erwin; Kulm, L. D.; Carson, Bobb; Whiticar, M. J., 1987, Fluid flow and methane fluxes from vent sites at the Oregon subduction zone [abstract].

Tobin, J. H.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Moore, G. F.; Orange, D. L., 1991, ALVIN observations at the central Oregon accretionary prism—Evidence for fault control of fluid seepage [abstract].

Wang, C.-Y.; Shi, Yaolin; Hwang, W.-T.; Chen, Huiliang, 1990, Hydrogeologic processes in the Oregon–Washington accretionary complex.

MARINE GEOLOGY – SUBMARINE CANYONS

Karl, H. A.; Hampton, M. A.; Cacchione, D. A.; Drake, D. E.; Kenyon, N. H., 1988, Morphologic variation and evolutionary history of some submarine channels on the Juan de Fuca and Gorda plates [abstract].

Orange, D. L.; Breen, N. A.; Dahlen, F. A., 1989, Seepage force, submarine canyons, and the inter-relationship of hydrology, geomorphology, and accretionary tectonics [abstract].

MARINE GEOLOGY – VOLCANISM

Appelgate, T. B., Jr., 1989, Tectonic and volcanic structures of the southern flank of Axial volcano, Juan de Fuca Ridge—Results from a SeaMARC I sidescan sonar survey.

Desonie, D. L.; Duncan, R. A., 1990, The Cobb-Eickelberg seamount chain—Hotspot volcanism with mid-ocean ridge basalt affinity.*

Embley, R. W.; Chadwick, W. W., Jr.; Fox, C. G., 1990, New evidence for volcanic eruptions on the southern Juan de Fuca Ridge during the 1980's—Implications for megaplumes and seafloor monitoring [abstract].

Franklin, J. M.; Kappel, E. S., 1986, Compositional characteristics and volcanic setting of massive sulphide deposits on Juan de Fuca and Explorer Ridges [abstract].

Holcomb, R. T.; Delaney, J. R., 1988, Post-valley volcanism along the Endeavour Ridge near 47° 57′ N [abstract].

Johnson, H. P.; Embley, R. W., 1990, Axial Seamount—An active ridge axis volcano on the central Juan de Fuca Ridge.

Johnson, H. P.; Holmes, M. L., 1988, Near-axis seamount formation—A detailed case history of Axial Seamount, central Juan de Fuca Ridge [abstract].

Leybourne, M. I., 1988, Volcanism and geochemistry of parts of the Endeavour Segment of the Juan de Fuca Ridge system and associated seamounts.

Lyle, Mitchell; Fisk, M. R.; Abbott, D. H.; Karlin, Robert; Morton, J. L.; Holmes, M. L., 1986, High resolution studies of ridge crest magmatism—Progress based upon studies in the sediment filled Escanaba trough (Gorda Ridge) [abstract].

McClain, K. J.; Lewis, B. T. R., 1982, Geophysical evidence for the absence of a crustal magma chamber under the northern Juan de Fuca Ridge—A contrast with ROSE results.

Raleigh, C. B.; Barone, A. M.; Ryan, W. B. F., 1989, Along-axis magma flow driven by topographically induced hydraulic head [abstract].

Zonenshain, L. P.; Kuzmin, M. I.; Bogdanov, Y. A.; Lisitsin, A. P., 1987, A catastrophic event on the Juan de Fuca spreading center at Axial Mt. (46° N) [abstract].

MARINE SEDIMENTS [GENERAL WORKS]

Baptista, A. M.; Jarrell, W. M.; Barros, A. P.; Turner, P. J., 1990, Integrated analysis of pathways of water, sediments, and contaminants in coastal watersheds—The case of Coos Bay [abstract].

Blaise, Bertrand; Bornhold, B. D.; Conway, K. W.; Karlin, R. H., 1988, Glacial history and deep sea sedimentation in the northeast Pacific since 38,000 a BP [abstract].

Hands, E. B., 1968, Inner continental shelf sediments in the vicinity of Cape Flattery, Washington.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, L. F.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 174.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, L. F.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 175.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, F. L.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 176.

Kurtz, D. D., 1980, Stratigraphy and genesis of Early Proterozoic diamictites—North America.

Lyle, Mitchell; Fisk, M. R.; Abbott, D. H.; Karlin, Robert; Morton, J. L.; Holmes, M. L., 1986, High resolution studies of ridge crest magmatism—Progress based upon studies in the sediment filled Escanaba trough (Gorda Ridge) [abstract].

Morton, J. L.; Normark, W. R.; Clague, D. A.; Holmes, M. L., 1987, Fine-scale segmentation of the sedimented southern Gorda Ridge, offshore northern California [abstract].

Turner, R. J. W.; Leitch, C. H. B.; Ames, D. E.; Höy, Trygve; Franklin, J. M.; Goodfellow, W. D., 1991, Character of hydrothermal mounds and adjacent altered sediments, active hydrothermal areas, Middle Valley sedimented rift, northern Juan de Fuca Ridge, northeastern Pacific—Evidence from ALVIN push cores.

MARINE SEDIMENTS – ENGINEERING

Fuller, S. R.; Sondergaard, J. N.; Fuglevand, P. F., 1989, Stratigraphy and Holocene stability of the Snohomish River-mouth delta near Port Gardner, Everett, Washington.

Galster, R. W., 1989, Geologic aspects of jetties, breakwaters, and boat basins in western Washington.

Malek, J. F.; Palermo, M. R., 1987, Application of a management strategy for dredging and disposal of contaminated sediments to proposed U.S. Navy Homeport Project at East Waterway, Everett Harbor, Washington.

MARINE SEDIMENTS – GEOCHEMISTRY AND MINERALOGY

Denton, A. W. S., 1986, Tectonics and sediment geochemistry of Tuzo Wilson seamounts, northeast Pacific Ocean.

Devol, A. H., 1991, Direct measurement of nitrogen gas fluxes from continental shelf sediments.

Evans-Hamilton, Inc.; D. R. Systems, Inc., 1987, Puget Sound environmental atlas.

Han, M. W., 1987, Dynamics and chemistry of pore fluids in marine sediments of different tectonic settings—Oregon subduction zone and Bransfield Strait extensional basin.*

Han, M. W.; Suess, Erwin, 1989, Subduction-induced pore fluid venting and the formation of authigenic carbonates along the Cascadia continental margin—Implications for the global Ca-cycle.

Kilby, C. E., 1990, Nearshore surficial geology and heavy mineral assemblages, northern Strait of Juan de Fuca [abstract].

Kulm, L. D.; Suess, Erwin, 1989, Interrelationships of authigenic carbonate deposits, vent fluids and geologic structures—Oregon accretionary prism [abstract].

Pellenbarg, R. E., 1988, Historical record of silicones in sediment.

Phipps, J. B., 1974, Sediments and tectonics of the Gorda–Juan de Fuca plate.*

Wong, F. L., 1989, Mineralogy of sand in turbidites from Escanaba trough, northeast Pacific Ocean.

MARINE SEDIMENTS – GEOMORPHOLOGY

Adams, John, 1989, Turbidites off the Oregon–Washington margin record paleoearthquakes on the Cascadia subduction zone.*

Adams, John, 1990, Paleoseismicity of the Cascadia subduction zone—Evidence from turbidites off the Oregon–Washington margin.*

Bobrowsky, P. T.; Clague, J. J., 1990, Holocene sediments from Saanich Inlet, British Columbia, and their neotectonic implications.

Kostaschuk, R. A.; Luternauer, J. L.; McKenna, G. T.; Moslow, T. F., 1990, Morphology and sediment transport in a submarine channel system—Fraser River delta, British Columbia [abstract].

Lewis, T. J.; Bentkowski, W. H., 1990, Blocky sediments in Bute and Knight Inlets, British Columbia.

Niem, A. R.; Snavely, P. D., Jr.; Chen, Ying; Niem, W. A., 1989, Jansen Creek Member of the Makah Formation—A major Oligocene submarine landslide or slump deposit from the Vancouver shelf in the Juan de Fuca deep margin basin, NW Olympic Peninsula, Washington [abstract].

Prior, D. B.; Bornhold, B. D., 1987, Depositional characteristics of a high-relief Holocene submarine fan, British Columbia [abstract].

Prior, D. B.; Bornhold, B. D., 1989, Submarine morphology and processes of fjord fan deltas and related high-gradient systems—Modern examples from British Columbia.

Prior, D. B.; Bornhold, B. D., 1989, Submarine sedimentation on a developing Holocene fan delta.

Prior, D. B.; Wiseman, W. J.; Bornhold, B. D.; Lowe, D. R., 1987, Active, channelized sand flows and fan development, Bute Inlet, British Columbia [abstract].

Vallier, T. L.; Harold, P. J.; Girdley, W. A., 1973, Provenances and dispersal patterns of turbidite sand in Escanaba trough, northeastern Pacific Ocean.

Wong, F. L., 1989, Mineralogy of sand in turbidites from Escanaba trough, northeast Pacific Ocean.

MARINE SEDIMENTS – GEOPHYSICS and PHYSICAL MEASUREMENTS

Abbott, D. H., 1986, Heat flow results from the Gorda Ridge.

Davis, E. E.; Hyndman, R. D., 1989, Accretion and recent deformation of sediments along the northern Cascadia subduction zone.

Davis, E. E.; Hyndman, R. D.; Villinger, Heiner, 1990, Rates of fluid expulsion across the northern Cascadia accretionary prism—Constraints from new heat flow and multichannel seismic reflection data.

Evans-Hamilton, Inc.; D. R. Systems, Inc., 1987, Puget Sound environmental atlas.

Gough, D. I., 1986, Magnetotelluric evidence for subduction of seafloor sediments.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E., 1983, The variation in measured heat flow, Jervis Inlet, British Columbia [abstract].

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.*

Mothersill, J. S., 1989, Paleomagnetic dating of postglacial sediments, Vancouver Island, Canada.

Rohr, K. M. M., 1989, Shale diapirism and thrusting in the accretionery [sic] front of Vancouver Island [abstract].

Thomson, R. E.; Gordon, R. L.; Dymond, Jack, 1989, Acoustic Doppler current profiler observations of a mid-ocean ridge hydrothermal plume.

MARINE SEDIMENTS – SUBDUCTION ZONE DEFORMATION

see also MARINE GEOLOGY – SUBDUCTION ZONE FLUID VENTING

Brandon, M. T., 1984, Deformational processes affecting unlithified sediments at active margins—A field study and a structural model.

Byrne, D. E.; Sykes, L. R.; Davis, D. M., 1987, Seismic and aseismic subduction, Part 1—The role of young sediments in controlling the mode of slip along the plate boundary [abstract].

Byrne, Tim; Hibbard, Jim, 1987, Landward vergence in accretionary prisms—The role of the backstop and thermal history.

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Davis, E. E.; Brandon, M. T., 1987, The style of the initial deformation of sediments along the northern Cascadia subduction zone [abstract].

Davis, E. E.; Hyndman, R. D., 1989, Accretion and recent deformation of sediments along the northern Cascadia subduction zone.

Davis, E. E.; Hyndman, R. D.; Villinger, Heiner, 1990, Rates of fluid expulsion across the northern Cascadia accretionary prism—Constraints from new heat flow and multichannel seismic reflection data.

Gough, D. I., 1986, Magnetotelluric evidence for subduction of seafloor sediments.

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Rohr, K. M. M.; Law, L. K., 1989, Vancouver Island accretionary sedimentary prism [abstract].

Johnson, H. P.; Holmes, M. L.; Carson, Bobb, 1989, Deep-water carbonates on the Cascadia margin [abstract].

Kulm, L. D.; Suess, Erwin; Moore, J. C.; Carson, Bobb; Lewis, B. T. R.; Ritger, S. D.; Kadko, D. C.; Thornburg, T. M.; Embley, R. W.; and others, 1988, Oregon subduction zone—Venting, fauna, and carbonates.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Reid, M. R.; Sample, J. C., 1991, Seawater and continental sources for syn-tectonic diagenetic carbonate in the Cascadia accretionary wedge, Oregon—Sr and Nd isotope evidence [abstract].

Rohr, K. M. M., 1989, Shale diapirism and thrusting in the accretionery [sic] front of Vancouver Island [abstract].

Sample, J. C.; Reid, M. R.; Moore, J. C., 1991, Isotopic evidence from syn-tectonic diagenetic carbonate for deeply-derived fluids in the Cascadia accretionary wedge, Oregon [abstract].

Seely, D. R., 1977, The significance of landward vergence and oblique structural trends on trench inner slopes.

Sykes, L. R.; Byrne, D. E.; Davis, D. M., 1987, Seismic and aseismic subduction, Part 2—Aseismic slip at zones of massive sediment supply and nature of great asperities at convergent margins [abstract].

Tobin, H. J.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Orange, D. L.; Moore, G. F.; Kulm, L. D., 1991, Generation of fracture permeability along a vertical fault at the Oregon accretionary margin and implications for wedge thrust vergence [abstract].

Wang, C.-Y.; Shi, Yaolin; Hwang, W.-T.; Chen, Huiliang, 1990, Hydrogeologic processes in the Oregon–Washington accretionary complex.

Wang, C.-Y.; Shi, Yaolin; Liang, G.; Sweeney, J. F., 1990, Thermal evolution of sediments along the Pacific Northwest margin [abstract].

Marshes, *see* PACIFIC COAST – MARSH STRATIGRAPHY and SUBSIDENCE AND UPLIFT

MASON CO., WASH.

Bucknam, R. C., 1991, Puget Sound paleoseismicity.*

Coombs, H. A., 1989, The Skokomish River projects—Cushman Dam no. 1 and Cushman Dam no. 2.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Mason County, Washington.

McLucas and Associates, Inc., 1991, Evaluation of the topography, geology, soils, and geologic hazards of the proposed Johns Prairie mine and barge-loading facility, southeastern Mason County, Washington.

Thorsen, G. W., and Associates, 1991, Geology of the Big Creek archaeological site, (45-MS-100), Lake Cushman, Mason County, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30ÇMé by 60ÇMé quadrangle, Washington.

Mass movements, *see* LAHARS AND MUDFLOWS; LANDSLIDES AND SLOPE STABILITY; MOUNT ST. HELENS – MASS MOVEMENTS

MENDOCINO FRACTURE ZONE

Bolt, B. A.; Lomnitz, C.; McEvilly, T. V., 1968, Seismological evidence on the tectonics of central and northern California and the Mendocino escarpment.

Breen, N. A.; Lisowski, Michael; Prescott, W. H., 1987, Spatially varying pattern of crustal strain near the Mendocino triple junction, California [abstract].

Caress, D. W., 1989, Some aspects of the structure and evolution of oceanic spreading centers.

Carver, G. A.; Burke, R. M.; Kelsey, H. M., 1986, Late Quaternary tectonics of coastal California north of the Mendocino triple junction [abstract].

Knapp, J. S., Jr., 1976, Velocity changes associated with the Ferndale earthquake.

Knapp, J. S., Jr., 1982, Seismicity, crustal structure, and tectonics near the northern termination of the San Andreas fault.

Lajoie, K. R., 1986, Rapid tectonic uplift near the Mendocino triple junction recorded by emergent marine strandlines [abstract].

Merritts, Dorothy, 1986, Late Quaternary tectonism in coastal northern California—A geomorphic approach [abstract].

Moore, G. W., 1970, Sea-floor spreading at the junction between Gorda Rise and Mendocino Ridge.

Niazi, Mansour; Karageorgi, Eleni, 1986, 3-D structure of the crust near Mendocino triple junction from teleseismic P-delays [abstract].

Rea, D. K.; Heath, G. R., 1983, Oceanography and geology of Pacific low-level waste disposal study area W-N [abstract].

Rea, D. K.; Ness, G. E.; Heath, G. R.; Lopez, C.; Pisias, N. G., 1983, Tectonic implications of recent geological and geophysical field investigations of the Pacific low-level waste disposal study area—Offshore northern California [abstract].

Wilson, D. S., 1986, Deformation of the Juan de Fuca plate near the Mendocino triple junction [abstract].

MESOZOIC

Avé Lallemant, H. G.; Oldow, J. S., 1988, Early Mesozoic southward migration of Cordilleran transpressional terranes.

Bilodeau, W. L., 1988, Sedimentation and basin evolution along the Mesozoic margin of western North America [abstract].

Brown, E. H.; Talbot, J. L., 1989, Late Mesozoic kinematic history of the North Cascades, Washington, and southern Coast Mountains, British Columbia [abstract].

Miller, R. B., 1989, The Mesozoic Rimrock Lake inlier, southern Washington Cascades—Implications for the basement to the Columbia Embayment.

Rubin, C. M.; Saleeby, J. B.; Cowan, D. S.; McGroder, M. F.; Brandon, M. T., 1988, Late Mesozoic compressional tectonism—Development of a west-vergent thrust system in the northwestern Cordillera [abstract].

Middle Valley, *see* **JUAN DE FUCA RIDGE - MIDDLE VALLEY**

MIMA MOUNDS

Berg, A. W., 1989, Formation of Mima mounds—A seismic hypothesis.*

Cox, G. W., 1990, Comment and reply on "Formation of Mima mounds—A seismic hypothesis"; Comment.

Hecht, Jeff, 1990, Earthquakes leave loose material all shook up.

Saucier, R. T., 1991, Comment and reply on "Formation of Mima mounds—A seismic hypothesis"; Comment.

Science News, 1990, Mysterious Mima mounds—Seismic source?.

Washburn, A. L., 1988, Mima mounds—An evaluation of proposed origins with special reference to the Puget Lowland.

MOUNT ADAMS

Hildreth, Wes, 1990, Volcanoes of Washington—Adams, Washington.

Hildreth, Wes; Fierstein, Judy, 1989, Preliminary geologic map of the Mount Adams volcanic field, Cascade Range of southern Washington [abstract].

Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].

MOUNT BAKER

Hickson, C. J., 1990, Can it happen here? A major volcanic eruption could occur in the Canadian Cordillera—It might significantly affect our environment.

Wood, C. A., 1990, Volcanoes of Washington—Baker, Washington.

MOUNT HOOD

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Crampin, Stuart; McGonigle, Robert; Ando, Masataka, 1986, Extensive-dilatancy anisotropy beneath Mount Hood, Oregon and the effect of aspect ratio on seismic velocities through aligned cracks.

Green, S. M.; Weaver, C. S.; Iyer, H. M., 1979, Seismic studies at the Mt. Hood volcano, northern Cascade Range, Oregon.

Leaver, D. S., 1984, Mixed stochastic and deterministic modeling of the crustal structure in the vicinity of Mt. Hood, Ore. [abstract].

Rite, Alan; Iyer, H. M., 1981, July 1980 Mt. Hood earthquake swarm.

Rite, Alan; Iyer, H. M.; Rojas, V., 1980, July 1980 Mount Hood earthquake swarm [abstract].

Westhusing, J. K., 1974, Reconnaissance surveys of near-event seismic activity in the volcanoes of the Cascade Range, Oregon.

MOUNT MAZAMA

Bacon, C. R.; Lanphere, M. A.; O'Neil, J. R., 1989, Strontium and oxygen isotopes in volcanic rocks near Crater Lake, Oregon, and their bearing on arc magmatism.

MOUNT RAINIER

Crandell, D. R.; Meier, M. F.; Mullineaux, D. R., 1965, Day 3—September 8, Paradise Park, Mount Rainier National Park.

Driedger, C. L., 1988, Geology in action—Jökulhlaups on Mount Rainier.

Driedger, C. L.; Fountain, A. G., 1989, Glacier outburst floods at Mount Rainier, Washington State, U.S.A.

Frank, D. G., 1986, Hydrothermal processes at Mount Rainier, Washington [abstract].

Jonientz-Trisler, Chris; Driedger, C. L., 1990, Seismic evidence of historic debris flows and dry-season floods on Mount Rainier, Washington, 1961-1990 [abstract].

Jonientz-Trisler, Chris; Driedger, C. L.; Qamar, A. I., 1990, Seismic signatures of debris flows on Mt. Rainier, Wa. [abstract].

Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].

Malone, S. D.; Qamar, A. I.; Jonientz-Trisler, Chris, 1991, Recent seismicity studies at Mount Rainier, Washington [abstract].*

Nelson, Jack, 1989, On the jökulhlaup trail, Mount Rainier.

Norris, R. D., 1990, Seismograms from the 16 August 1989 rockfall from Russell Cliff, Mount Rainier [abstract].

Pringle, P. T., 1990, Hazards from volcanic debris flows in the Puyallup Valley, west of Mount Rainier, Washington [abstract].

Pringle, P. T., 1990, Volcanoes of Washington—Rainier, Washington.

Scott, K. M., 1990, Volcanic flood hazards for Mount Rainier in Washington.

Thompson, K. I.; Qamar, A. I., 1989, The seismicity of Mount Rainier, Washington [abstract].

Walder, Joseph, 1990, Glacial outburst floods at Mount Rainier.

MOUNT ST. HELENS [GENERAL WORKS]

Note: Includes materials, whether scientific or popular, which are overall descriptions of Mount St. Helens.

Frenzen, P. M.; Crisafulli, C. M., 1990, Mount St. Helens ten years later—Past lessons and future promise.

Holden, J. C., 1980, A shifting Earth, a fiery mountain.

Pringle, P. T., 1990, Mount St. Helens—A ten-year summary.

Pringle, P. T., 1990, Mount St. Helens—New link to the past for volcanic stratigraphy.

Swanson, D. A., 1990, Volcanoes of Washington—St. Helens, Washington.

Tilling, R. I.; Topinka, L. J.; Swanson, D. A., 1984, rev. 1990, Eruptions of Mount St. Helens—Past, present, and future.

MOUNT ST. HELENS – AREAL GEOLOGY

Burk, R. L.; Moser, K. R.; McCreath, Dougal; Norrish, N. I.; Plum, R. L., 1989, Engineering geology of a portion of the Spirit Lake Memorial Highway.

Doukas, M. P., 1990, Road guide to volcanic deposits of Mount St. Helens and vicinity, Washington.

Glicken, Harry; Meyer, William; Sabol, M. A., 1989, Geology and ground-water hydrology of Spirit Lake blockage, Mount St. Helens, Washington, with implications for lake retention.

Waitt, R. B.; Hoblitt, R. P.; Criswell, C. W.; Scott, K. M.; Glicken, Harry; Brantley, S. R., 1989, Excursion 2A—Recent volcaniclastic deposits and processes at Mount St. Helens volcano, Washington.

MOUNT ST. HELENS – BIBLIOGRAPHY

Manson, C. J.; Messick, C. H.; Sinnott, G. M., 1987, Mount St. Helens—A bibliography of geoscience literature, 1882-1986.

MOUNT ST. HELENS – BLAST AND BLAST DEPOSITS

Fisher, R. V., 1990, Transport and deposition of a pyroclastic surge across an area of high relief—The 18 May 1980 eruption of Mount St. Helens, Washington.

McEwen, A. S.; Malin, M. C., 1989, Dynamics of Mount St. Helens' 1980 pyroclastic flows, rockslide-avalanche, lahars, and blast.

MOUNT ST. HELENS – CRATER AND DOME

Chadwick, W. W., Jr., 1988, Ground deformation precursory to extrusions at Mount St. Helens, 1981-1982—Tectonic analogues and mechanical modeling.*

Chadwick, W. W., Jr.; Swanson, D. A., 1989, Thrust faults and related structures in the crater floor of Mount St. Helens volcano, Washington.

Denlinger, R. P.; Dzurisin, Daniel, 1989, Changes in the magnetic anomaly and thermal structure of Mount St. Helens lava dome, Washington [abstract].

Dzurisin, Daniel; Denlinger, R. P.; Rosenbaum, J. G., 1990, Cooling rate and thermal structure determined from progressive magnetization of the dacite dome at Mount St. Helens, Washington.

Major, J. J.; Pringle, P. T., 1986, Rockfall-avalanches from the Mount St. Helens dome, March, 1984 [abstract].

Mellors, R. A.; Waitt, R. B.; Swanson, D. A., 1988, Generation of pyroclastic flows and surges by hot-rock avalanches from the dome of Mount St. Helens volcano, U.S.A..

Mount St. Helens – Disaster planning, *see*
MOUNT ST. HELENS – EMERGENCY RESPONSE
MOUNT ST. HELENS – PLANNING, POLICY, AND GEOLOGIC HAZARDS

Mount St. Helens – Dome, *see*
MOUNT ST. HELENS – CRATER AND DOME

MOUNT ST. HELENS – EARTH TIDES

Christman, R. A., 1990, Was Mount St. Helens moonstruck?

MOUNT ST. HELENS – EARTHQUAKES AND SEISMOLOGY

Barker, S. E., 1988, Magma body geometry at Mount St. Helens inferred from the stress field associated with post-eruptive earthquakes.

Barker, S. E.; Malone, S. D., 1991, Magmatic system geometry at Mount St. Helens modeled from the stress field associated with posteruptive earthquakes.

Barquero, Rafael, 1988, Premonitory seismic phenomena at volcanoes—The case of Izu-Oshima, Sakurajima, Asama, St. Helens, Usu and Arenal volcanoes.

Burger, R. W., 1984, Source mechanism of the May 18, 1980 St. Helens eruption from regional surface waves.

Eissler, H. K., 1986, Investigations of earthquakes and other seismic sources in regions of volcanism.

Endo, E. T.; Dzurisin, Daniel, 1988, Recent Mount St. Helens seismicity—A description using Minakami's definitions of volcanic earthquake types.

Endo, E. T.; Weaver, C. S.; Malone, S. D.; Noson, L. L.; Grt, W. C., 1981, Seismic studies [abstract].

Ferrick, M. G.; Qamar, A. I.; St. Lawrence, W. F., 1982, Source mechanism of volcanic tremor.

Got, J. L.; Fremont, M. J.; Frechet, J., 1986, Doublets de seismes volcaniques du Kilauea et du Mont St Helens [abstract].

Jonientz-Trisler, Chris; Myers, Bobbie; Power, John, 1991, Seismic identification of gas-and-ash explosions at Mount Saint Helens—Capabilities, limitations, and regional application. [abstract].

Kawakatsu, Hitoshi, 1989, Centroid single force inversion of seismic waves generated by landslides.

Lees, J. M., 1990, Comparison of local tomographic P-wave velocity variations in California and Washington—Can we image fault asperities? [abstract].

Lees, J. M.; Crosson, R. S., 1989, Tomographic inversion for three-dimensional velocity structure at Mount St. Helens using earthquake data.

Main, I. G., 1987, A characteristic earthquake model of the seismicity preceding the eruption of Mount St. Helens on 18 May 1980.

Malone, S. D., 1990, Mount St. Helens, the 1980 re-awakening and continuing seismic activity.*

Miyamachi, Hiroki; Malone, S. D., 1989, Relocation of earthquakes at Mount St. Helens using a three-dimensional velocity model [abstract].

Moran, S. C.; Malone, S. D., 1990, Focal mechanism solutions from recent earthquakes in the deeper magmatic system at Mt. St. Helens [abstract].

Moran, S. C.; Malone, S. D., 1990, Pre-1980 seismicity at Mt. St. Helens—Is the past the key to the present? [abstract].

Moran, S. C.; Malone, S. D., 1990, Recent micro-seismic activity at Mt. St. Helens and its implications for the evolution of the deeper magmatic system [abstract].

Murray, Thomas; Endo, E. T., 1987, Real-time seismic-amplitude measurement (RSAM)—A volcano-monitoring tool [abstract].

Neri, G.; Malone, S. D., 1989, An analysis of the earthquake time series at Mount St. Helens, in the framework of recent volcanic activity.

Norris, R. D., 1991, Seismic observations of rock and debris falls at Mount St. Helens, Washington [abstract].

Nowack, R. L., 1985, Wave propagation in laterally varying media and iterative inversion for velocity.

Person, W. J., 1981, Earthquakes, May-June 1981.

Pringle, P. T., 1990, Seismicity at Mount St. Helens, 1989 to mid-1990.

Voight, Barry; Cornelius, R. R., 1991, Prospects for eruption prediction in near real-time.

Weaver, C. S., 1982, Tectonic influence on 1980 activity [abstract].

Weaver, C. S.; Norris, R. D.; Jonientz-Trisler, Chris, 1990, Results of seismological monitoring in the Cascade Range, 1962-1989—Earthquakes, eruptions, avalanches and other curiosities.

MOUNT ST. HELENS – EMERGENCY RESPONSE

Note: Describes plans or actions to deal with potential or existant problems from eruption activity.
see also **MOUNT ST. HELENS – PLANNING POLICY, AND GEOLOGIC HAZARDS**

Myers, Bobbie; Theisen, G. J., 1991, Volcanic-event notification at Mount St. Helens [abstract].

Punongbayan, R. S.; Tilling, R. I., 1989, Some recent case histories.

MOUNT ST. HELENS – ENGINEERING GEOLOGY

Burk, R. L.; Moser, K. R.; McCreath, Dougal; Norrish, N. I.; Plum, R. L., 1989, Engineering geology of a portion of the Spirit Lake Memorial Highway.

Flanagan, R. P., 1987, Mount St. Helens, Washington, Corps of Engineers activities.

Fread, D. L., 1985, Dam breach erosion modeling.

Glicken, Harry; Meyer, William; Sabol, M. A., 1989, Geology and ground-water hydrology of Spirit Lake blockage, Mount St. Helens, Washington, with implications for lake retention.

Lasmanis, Raymond, 1990, Mount St. Helens sediment retention structure.

McCracken, Bruce, 1989, Storing sediment and freeing fish.

Meyer, D. F., 1990, Effects of the release from Spirit Lake on South Fork Coldwater Valley.

Meyer, William; Sabol, M. A., 1989, Hydrology of the Castle Lake blockage, Mount St. Helens, Washington.

Meyer, William; Sabol, M. A.; Schuster, R. L., 1989, Landslide dammed lakes at Mount St. Helens, Washington.

Sager, J. W.; Budai, C. M., 1989, Geology and construction of the Spirit Lake outlet tunnel, Mount St. Helens, Washington.

Schuster, R. L., 1989, Engineering geologic effects of the 1980 eruptions of Mount St. Helens.

U.S. Army Corps of Engineers, 1989, Mount St. Helens protective works—Mount St. Helens, Washington—Castle Lake monitoring plan.

MOUNT ST. HELENS – ERUPTION PREDICTION

Barquero, Rafael, 1988, Premonitory seismic phenomena at volcanoes—The case of Izu-Oshima, Sakurajima, Asama, St. Helens, Usu and Arenal volcanoes.

Chadwick, W. W., Jr., 1988, Ground deformation precursory to extrusions at Mount St. Helens, 1981-1982—Tectonic analogues and mechanical modeling.*

Coombs, C. R.; Wood, C. A., 1990, The calm before the storm—Precursors to volcanic eruptions [abstract].

Cornelius, R. R.; Voight, Barry, 1990, Feasibility of material failure approach to eruption prediction for Mount St. Helens, 1985 and 1986 [abstract].

Decker, R. W., 1989, Dynamics of magma ascent and eruption at Kiluaea [sic] versus Mount St. Helens volcanoes [abstract].

Murray, Thomas; Endo, E. T., 1987, Real-time seismic-amplitude measurement (RSAM)—A volcano-monitoring tool [abstract].

Pallister, J. S.; Hoblitt, R. P.; Crandell, D. R.; Mullineaux, D. R., 1990, Mount St. Helens a decade after the 1980 eruptions—Chemical cycles, magmatic models, and a revised hazards assessment [abstract].

Swanson, D. A.; Casadevall, T. J.; Dzurisin, Daniel; Holcomb, R. T.; Newhall, C. G.; Malone, S. D.; Weaver, C. S., 1985, Forecasts and predictions of eruptive activity at Mount St. Helens, USA—1975-1984.

Tilling, R. I., 1989, Volcanic hazards and their mitigation—Progress and problems.

Voight, Barry; Cornelius, R. R., 1991, Prospects for eruption prediction in near real-time.

MOUNT ST. HELENS – GEOCHRONOLOGY

Yamaguchi, D. K.; Hoblitt, R. P.; Lawrence, D. B., 1990, A new tree-ring date for the "floating island" lava flow, Mount St. Helens, Washington.

Mount St. Helens – Geologic hazards, *see*

MOUNT ST. HELENS – EARTHQUAKES AND SEISMOLOGY

MOUNT ST. HELENS – EMERGENCY RESPONSE

MOUNT ST. HELENS – ENGINEERING GEOLOGY

MOUNT ST. HELENS – ERUPTION PREDICTION

MOUNT ST. HELENS – MASS MOVEMENTS

MOUNT ST. HELENS – PLANNING, POLICY, AND GEOLOGIC HAZARDS

MOUNT ST. HELENS – GEOMORPHOLOGY

see also

MOUNT ST. HELENS – MASS MOVEMENTS

MOUNT ST. HELENS – RIVER MORPHOLOGY

Hadley, Richard, 1988, Erosion and sediment transport resulting from volcanic eruptions [report].

Paine, A. D. M., 1984, Canyon and terrace formation near Mount St. Helens, Washington.

MOUNT ST. HELENS – GEOPHYSICS – ELECTRICAL SURVEYS

Davis, P. M.; Dvorak, J. J.; Johnston, M. J. S.; Dzurisin, Daniel, 1989, Electric and magnetic field measurements on Mount St. Helens volcano at times of eruptions 1980-1985.

Johnston, M. J. S., 1989, Review of magnetic and electric field effects near active faults and volcanoes in the U.S.A..

MOUNT ST. HELENS – GEOPHYSICS – GEODESY AND GEODETIC SURVEYS

Chadwick, W. W., Jr., 1988, Ground deformation precursory to extrusions at Mount St. Helens, 1981-1982—Tectonic analogues and mechanical modeling.*

Ewert, J. W., 1989, A trigonometric method for measuring ground tilt on composite volcanoes [abstract].

Johnston, M. J. S.; Mueller, R. J.; Myren, G. D., 1988, Tilt, strain, and magnetic field measurements.

MOUNT ST. HELENS – GEOPHYSICS – GRAVITY SURVEYS

Finn, Carol, 1988, Structure of the Washington convergent margin, implications for other subduction zones and for continental growth processes.

MOUNT ST. HELENS – GEOPHYSICS – MAGNETIC SURVEYS

Davis, P. M.; Dvorak, J. J.; Johnston, M. J. S.; Dzurisin, Daniel, 1989, Electric and magnetic field measurements on Mount St. Helens volcano at times of eruptions 1980-1985.

Denlinger, R. P.; Dzurisin, Daniel, 1989, Changes in the magnetic anomaly and thermal structure of Mount St. Helens lava dome, Washington [abstract].

Dzurisin, Daniel; Denlinger, R. P.; Rosenbaum, J. G., 1990, Cooling rate and thermal structure determined from progressive magnetization of the dacite dome at Mount St. Helens, Washington.

Finn, Carol, 1988, Structure of the Washington convergent margin, implications for other subduction zones and for continental growth processes.

Johnston, M. J. S., 1987, Tectonomagnetism and tectonoelectricity.

Johnston, M. J. S., 1989, Review of magnetic and electric field effects near active faults and volcanoes in the U.S.A..

Johnston, M. J. S.; Mueller, R. J.; Myren, G. D., 1988, Tilt, strain, and magnetic field measurements.

Mueller, R. J.; Johnston, M. J. S., 1989, Large-scale magnetic field perturbation arising from the 18 May 1980 eruption from Mount St. Helens, Washington.

MOUNT ST. HELENS – GEOPHYSICS – THERMAL SURVEYS

Friedman, J. D.; Realmuto, V. J.; Frank, D. G., 1991, Comparison of thermal features of Cordilleran volcanoes using airborne sensing systems, with special reference to Mount St. Helens, WA [abstract].*

MOUNT ST. HELENS – GLACIER AND SNOW SURVEYS

Waitt, R. B.; Kamata, Hiroki; Denlinger, R. P., 1989, Rapid mobilization of winter-spring snowpack during eruptions at Mount St. Helens volcano in 1980-1986 and at Augustine volcano in 1986 [abstract].

MOUNT ST. HELENS – GUIDEBOOKS

Doukas, M. P., 1990, Road guide to volcanic deposits of Mount St. Helens and vicinity, Washington.

Waitt, R. B.; Hoblitt, R. P.; Criswell, C. W.; Scott, K. M.; Glicken, Harry; Brantley, S. R., 1989, Excursion 2A—Recent volcaniclastic deposits and processes at Mount St. Helens volcano, Washington.

MOUNT ST. HELENS – MAGMA AND THE MAGMA CHAMBER

Barker, S. E., 1988, Magma body geometry at Mount St. Helens inferred from the stress field associated with post-eruptive earthquakes.

Barker, S. E.; Malone, S. D., 1991, Magmatic system geometry at Mount St. Helens modeled from the stress field associated with posteruptive earthquakes.

Decker, R. W., 1989, Dynamics of magma ascent and eruption at Kiluaea [sic] versus Mount St. Helens volcanoes [abstract].

Hausback, B. P.; Swanson, D. A., 1989, Structure and avalanche history of the north flank of Mount St. Helens, Washington [abstract].*

Moran, S. C.; Malone, S. D., 1990, Recent micro-seismic activity at Mt. St. Helens and its implications for the evolution of the deeper magmatic system [abstract].

MOUNT ST. HELENS – MAPS – GEOLOGIC

Glicken, Harry; Meyer, William; Sabol, M. A., 1989, Geology and ground-water hydrology of Spirit Lake blockage, Mount St. Helens, Washington, with implications for lake retention.

Kuntz, M. A.; Rowley, P. D.; MacLeod, N. S., 1990, Geologic maps of pyroclastic-flow and related deposits of the 1980 eruptions of Mount St. Helens, Washington.

MOUNT ST. HELENS – MASS MOVEMENTS – AVALANCHES AND LANDSLIDES

Eissler, H. K., 1986, Investigations of earthquakes and other seismic sources in regions of volcanism.

Glicken, Harry, 1987, Rockslide-debris avalanche of May 18, 1980, Mount St. Helens volcano, Washington [abstract].

Glicken, Harry, 1990, The rockslide-debris avalanche of the May 18, 1980, eruption of Mount St. Helens—10th anniversary perspectives.*

Glicken, Harry, 1991, Sedimentary architecture of large volcanic-debris avalanches.

Glicken, Harry; Komorowski, J.-C.; Sheridan, M. F., 1989, Particle-particle interaction in the Mount St. Helens debris avalanche—Scanning electron microscope approach [abstract].

Hausback, B. P.; Swanson, D. A., 1989, Structure and avalanche history of the north flank of Mount St. Helens, Washington [abstract].*

Hausback, B. P.; Swanson, D. A., 1990, Record of prehistoric debris avalanches on the north flank of Mount St. Helens volcano, Washington.*

Iverson, R. M., 1990, Mass-movement dynamics—Interaction with ground water and streams.

Kawakatsu, Hitoshi, 1989, Centroid single force inversion of seismic waves generated by landslides.

Major, J. J.; Pringle, P. T., 1986, Rockfall-avalanches from the Mount St. Helens dome, March, 1984 [abstract].

McEwen, A. S.; Malin, M. C., 1989, Dynamics of Mount St. Helens' 1980 pyroclastic flows, rockslide-avalanche, lahars, and blast.

Mellors, R. A.; Waitt, R. B.; Swanson, D. A., 1988, Generation of pyroclastic flows and surges by hot-rock avalanches from the dome of Mount St. Helens volcano, U.S.A..

Meyer, William; Sabol, M. A.; Schuster, R. L., 1989, Landslide dammed lakes at Mount St. Helens, Washington.

Norem, Harald; Locat, Jacques, 1990, An approach to rock avalanches dynamics [abstract].

Norris, R. D., 1991, Seismic observations of rock and debris falls at Mount St. Helens, Washington [abstract].

Pierson, T. C.; Janda, R. J., 1990, A previously unrecognized type of proximal pyroclastic deposit at snow-and ice-covered volcanoes [abstract].

Siebert, Lee; Glicken, Harry; Ui, Tadahide, 1990, Large volcanic debris avalanches—A 10-year post-Mount St. Helens perspective [abstract].

Skermer, N. A.; Voight, Barry; Janda, R. J.; Glicken, Harry; Douglass, P. M., 1983, Nature and mechanics of the Mount St. Helens rockslide-avalanche of 18 May 1980; Discussion and reply.

Voight, Barry, 1989, Mount St. Helens rockslide-avalanche of May 18, 1980—Mitigation, prediction, and engineering effects [abstract].

Voight, Barry; Sousa, James, 1990, Computational fluid dynamic modeling of volcanic avalanches at Ontake, Japan, and Mount St. Helens, USA [abstract].

Waitt, R. B.; Kamata, Hiroki; Denlinger, R. P., 1989, Rapid mobilization of winter-spring snowpack during eruptions at Mount St. Helens volcano in 1980-1986 and at Augustine volcano in 1986 [abstract].

MOUNT ST. HELENS – MASS MOVEMENTS – LAHARS AND MUDFLOWS

Bradley, J. B., 1987, Hydraulics and transport at high fine sediment loads.

Bradley, J. B., 1989, Kinematic properties of mudflows on Mt. St. Helens—Discussion.

Brantley, S. R.; Waitt, R. B., 1988, Interrelations among pyroclastic surge, pyroclastic flow, and lahars in Smith Creek valley during first minutes of 18 May 1980 eruption of Mount St. Helens, USA.

Brown, B. J., 1987, Sediment transport in hyperconcentrated flows in sand-bed streams of volcanic origin.*

Cameron, K. A.; Pringle, P. T., 1990, Avalanche-generated debris flow of 9 May 1986, at Mount St. Helens, Washington.

Hansen, R. P., 1989, Simulation of debris flows using the hydraux model.

Lang, T. E.; Dent, J. D., 1987, Kinematic properties of mudflows on Mt. St. Helens.*

Major, J. J.; Scott, K. M., 1988, Volcaniclastic sedimentation in the Lewis River valley, Mount St. Helens, Washington—Processes, extent, and hazards.

Packard, F. A., 1990, Influence of sediment from the 1980 Mount St. Helens mudflows on the ground-water system in the lower Cowlitz River valley, Washington.

Pierson, T. C., 1990, Mudflow/debris flow rheology and initiation.

Pringle, P. T.; Cameron, K. A., 1986, Lahar and lahar-runout flow of May 14, 1984 at Mount St. Helens [abstract].

Pringle, P. T.; Cameron, K. A., 1987, Factors affecting the magnitude of May 1984 and May 1986 lahars at Mount St. Helens, Washington [abstract].

Scott, K. M., 1988, Origin, behavior, and sedimentology of prehistoric catastrophic lahars at Mount St. Helens, Washington.

Scott, K. M., 1988, Origins, behavior, and sedimentology of lahars and lahar-runout flows in the Toutle–Cowlitz River system.

Scott, K. M., 1989, Magnitude and frequency of lahars and lahar-runout flows in the Toutle–Cowlitz River system.

Scott, K. M., 1990, Sedimentology of lahars at Mount St. Helens.

Smith, G. A.; Fritz, W. J., 1989, Penrose Conference report—Volcanic influences on terrestrial sedimentation.

Weaver, C. S.; Norris, R. D.; Jonientz-Trisler, Chris, 1990, Results of seismological monitoring in the Cascade Range, 1962-1989—Earthquakes, eruptions, avalanches and other curiosities.

MOUNT ST. HELENS – PLANNING, POLICY, AND GEOLOGIC HAZARDS

see also MOUNT ST. HELENS – EMERGENCY RESPONSE

Hickson, C. J., 1991, Holocene volcanism in the Canadian Cordillera [abstract].

Miller, C. D., 1990, Volcanic hazards in the Pacific Northwest.

Pallister, J. S.; Hoblitt, R. P.; Crandell, D. R.; Mullineaux, D. R., 1990, Mount St. Helens a decade after the 1980 eruptions—Chemical cycles, magmatic models, and a revised hazards assessment [abstract].

Perry, R. W.; Lindell, M. K., 1990, Living with Mount St. Helens—Human adjustment to volcano hazards.

Peterson, D. W., 1990, Overview of the effects and influence of the activity of Mount St. Helens in the 1980s.

Pringle, P. T., 1990, Mount St. Helens—New link to the past for volcanic stratigraphy.

Tilling, R. I., 1989, Volcanic hazards and their mitigation—Progress and problems.

U.S. Army Corps of Engineers, 1989, Mount St. Helens protective works—Mount St. Helens, Washington—Castle Lake monitoring plan.

Voight, Barry, 1989, Mount St. Helens rockslide-avalanche of May 18, 1980—Mitigation, prediction, and engineering effects [abstract].

MOUNT ST. HELENS – PYROCLASTIC FLOWS AND DEPOSITS

Brantley, S. R.; Waitt, R. B., 1988, Interrelations among pyroclastic surge, pyroclastic flow, and lahars in Smith Creek valley during first minutes of 18 May 1980 eruption of Mount St. Helens, USA.

Fisher, R. V., 1990, Transport and deposition of a pyroclastic surge across an area of high relief—The 18 May 1980 eruption of Mount St. Helens, Washington.

Kuntz, M. A.; Rowley, P. D.; MacLeod, N. S., 1990, Geologic maps of pyroclastic-flow and related deposits of the 1980 eruptions of Mount St. Helens, Washington.

McEwen, A. S.; Malin, M. C., 1989, Dynamics of Mount St. Helens' 1980 pyroclastic flows, rockslide-avalanche, lahars, and blast.

Mellors, R. A.; Waitt, R. B.; Swanson, D. A., 1988, Generation of pyroclastic flows and surges by hot-rock avalanches from the dome of Mount St. Helens volcano, U.S.A..

Pierson, T. C.; Janda, R. J., 1990, A previously unrecognized type of proximal pyroclastic deposit at snow-and ice-covered volcanoes [abstract].

MOUNT ST. HELENS – RIVER MORPHOLOGY

Meyer, D. F., 1990, Effects of the release from Spirit Lake on South Fork Coldwater Valley.

Meyer, D. F.; Martinson, H. A., 1989, Rates and processes of channel development and recovery following the 1980 eruption of Mount St. Helens, Washington.

Paine, A. D. M., 1984, Canyon and terrace formation near Mount St. Helens, Washington.

Mount St. Helens – Snow surveys, *see* **MOUNT ST. HELENS – GLACIER AND SNOW SURVEYS**

MOUNT ST. HELENS – STREAM SEDIMENTS

see also **MOUNT ST. HELENS – MASS MOVEMENTS – LAHARS AND MUDFLOWS**

Bradley, J. B., 1987, Hydraulics and transport at high fine sediment loads.

Brown, B. J., 1987, Sediment transport in hyperconcentrated flows in sand-bed streams of volcanic origin.*

Lasmanis, Raymond, 1990, Mount St. Helens sediment retention structure.

McCracken, Bruce, 1989, Storing sediment and freeing fish.

Meyer, D. F., 1990, Effects of the release from Spirit Lake on South Fork Coldwater Valley.

Packard, F. A., 1990, Influence of sediment from the 1980 Mount St. Helens mudflows on the ground-water system in the lower Cowlitz River valley, Washington.

MOUNT ST. HELENS – STRUCTURAL GEOLOGY

Chadwick, W. W., Jr., 1988, Ground deformation precursory to extrusions at Mount St. Helens, 1981-1982—Tectonic analogues and mechanical modeling.*

Chadwick, W. W., Jr.; Swanson, D. A., 1989, Thrust faults and related structures in the crater floor of Mount St. Helens volcano, Washington.

Finn, Carol, 1988, Structure of the Washington convergent margin, implications for other subduction zones and for continental growth processes.

Hausback, B. P.; Swanson, D. A., 1989, Structure and avalanche history of the north flank of Mount St. Helens, Washington [abstract].*

Johnston, M. J. S.; Mueller, R. J.; Myren, G. D., 1988, Tilt, strain, and magnetic field measurements.

Lees, J. M.; Crosson, R. S., 1989, Tomographic inversion for three-dimensional velocity structure at Mount St. Helens using earthquake data.

Weaver, C. S., 1982, Tectonic influence on 1980 activity [abstract].

MOUNT ST. HELENS SEISMIC ZONE

Weaver, C. S., 1991, Geothermal seismotectonic studies.

MOUNT SHASTA (California)

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Municipal water systems, *see* **ENGINEERING GEOLOGY – MUNICIPAL WATER SYSTEMS and LIFELINES**

NANAIMO GROUP

England, T. D. J., 1988, Stratigraphy and structure of the Nanaimo Basin, southwestern British Columbia [abstract].

England, T. D. J., 1989, Lithostratigraphy of the Nanaimo Group, Georgia Basin, southwestern British Columbia.

England, T. D. J.; Hiscott, R. N., 1991, Upper Nanaimo Group and younger strata, outer Gulf Islands, southwestern British Columbia.

Haggart, J. W., 1991, A new assessment of the age of the basal Nanaimo Group, Gulf Islands, British Columbia.

NEOGENE

Sherrod, D. R.; Pickthorn, L. B. G., 1989, Some notes on the Neogene structural evolution of the Cascade Range in Oregon.

Nestucca Bay, *see* **OREGON – NESTUCCA BAY**

Netarts Bay, Oregon, *see* **OREGON – NETARTS BAY**

NEWBERRY VOLCANO (Oregon)

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Catchings, R. D.; Mooney, W. D., 1988, Crustal structure of east central Oregon—Relation between Newberry Volcano and regional crustal structure.

Fitterman, D. V.; Stanley, W. D.; Bisdorf, R. J., 1988, Electrical structure of Newberry Volcano, Oregon.

Gettings, M. E.; Griscom, Andrew, 1988, Gravity model studies of Newberry Volcano, Oregon.

Stauber, D. A., 1984, Oregon seismic experiment.

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Stauber, D. A.; Green, S. M.; Iyer, H. M., 1988, Three-dimensional P velocity structure of the crust below Newberry Volcano, Oregon.

NOOTKA FAULT ZONE

Hyndman, R. D.; Herzer, R. H.; Riddihough, R. P., 1978, The Nootka fault zone—A new plate boundary off western Canada [abstract].

Hyndman, R. D.; Riddihough, R. P.; Herzer, R., 1979, The Nootka fault zone—A new plate boundary off western Canada.

NORTH AMERICAN PLATE

Atwater, Tanya, 1989, Plate tectonic history of the northeast Pacific and western North America.

Heaton, T. H.; Kanamori, Hiroo, 1984, repr. 1988, Seismic potential associated with subduction in the northwestern United States.

Hyndman, R. D., 1987, A review of the present plate regime along the British Columbia and Washington margin [abstract].

Jurdy, D. M.; Stefanick, Michael, 1986, Errors in plate reconstruction [abstract].

Pollitz, F. F., 1988, Episodic North America and Pacific plate motions.

Riddihough, R. P.; Hyndman, R. D., 1989, Queen Charlotte Islands margin.

Spence, G. D.; Ellis, R. M.; Clowes, R. M., 1982, VISP III—Ray tracing and iterative inversion of traveltimes for structure across the Juan de Fuca/America plate margin [abstract].

Stock, Joann; Molnar, Peter, 1986, Quantified uncertainties in the relative positions of the Pacific, Farallon, Kula, and North American plates in the Tertiary [abstract].

Nuclear power-plants,
see
EARTHQUAKES AND NUCLEAR POWER-PLANTS
ENGINEERING GEOLOGY – NUCLEAR POWER-PLANT SITING

OKANOGAN CO., WASH.

Bazard, D. R.; Burmester, R. F.; Beck, M. E., Jr.; Granirer, J. L.; Schwarz, C. G., 1990, Paleomagnetism of the Methow region, north-central Washington—Structural application of paleomagnetic data in a complexly deformed, variably remagnetized terrane.

Geomatrix Consultants, Inc., 1989, Seismotectonic evaluation—Northwest Rocky Mountains–Okanogan Uplands geomorphic province; Final report.

Hanna, R. L.; Verosub, K. L., 1989, A review of lacustrine paleomagnetic records from western North America—0-40,000 years BP.

Hopkins, W. N., 1987, Geology of the Newby Group and adjacent units in the southern Methow trough, northeast Cascades, Washington.

Hurlow, H. A., 1989, Polyphase kinematic history of the Pasayten fault in Washington—Preliminary report [abstract].

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Kriens, B. J.; Wernicke, B. P., 1990, Characteristics of a continental margin magmatic arc as a function of depth—The Skagit–Methow crustal section.

McGroder, M. F., 1988, Structural evolution of the eastern Cascades foldbelt—Implications for late Mesozoic accretionary tectonics in the Pacific Northwest.*

McGroder, M. F.; Miller, R. B., 1989, Geology of the eastern North Cascades.

Potter, C. J., 1989, Structure of the northern part of the Okanogan Complex, north-central Washington [abstract].

Sanford, W. E., 1986, Detailed three-dimensional structure of the deep crust in the U.S. Cordillera in north-central Washington based on COCORP data.

Sanford, W. E.; Potter, C. J.; Oliver, J. E., 1988, Detailed three-dimensional structure of the deep crust based on COCORP data in the Cordilleran interior, north-central Washington.

Stoffel, K. L.; Joseph, N. L.; Waggoner, S. Z.; Gulick, C. W.; Korosec, M. A.; Bunning, B. B., 1991, Geologic map of Washington—Northeast quadrant.

OLYMPIA, WASH. (Thurston Co.)

Bodle, T. R., 1990, The relation of earthquake intensity to surface geology and elevation in western Washington State.*

Denby, G. M.; Bangash, A. A.; Brigham, J. E.; Fragazsy, R. J., 1989, Field test to evaluate load transfer for soil anchors.

Fajfar, Peter; Vidic, Tomaz; Fischinger, Matej, 1990, A measure of earthquake motion capacity to damage medium-period structures.

King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.*

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1988, Geophysical studies in support of seismic hazards assessment of Seattle and Olympia, Washington.

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1990, Seismic ground-response studies in Olympia, Washington, and vicinity.

Liu, T.-K., 1980, A spectral density and response spectra analysis of some earthquake records.

Tarr, A. C.; King, K. W., 1988, U.S. Geological Survey begins seismic ground response experiments in Washington State.

Tinsley, J. C., 1988, Quaternary framework for earthquake studies, Los Angeles, California.

OLYMPIC MOUNTAINS AND OLYMPIC PENINSULA

Applegate, J. D. R.; Brandon, M. T., 1989, An upper plate origin for basalt blocks in the Cenozoic subduction complex of the Olympic Mountains, northwest Washington State [abstract].

Babcock, R. S.; Engebretson, D. C., 1991, Kula–Farallon–North America plate interactions and basalt extrusion in the Oregon–Washington Coast Range [abstract].

Boyer, S. E.; Lingley, W. S., Jr., 1991, Structure and kinematics of the Olympic subduction complex, NW Washington, and implications for mechanical models of accretionary prisms [abstract].

Brandon, M. T., 1990, Exhumation of young metamorphic rocks in the Olympic subduction complex, NW Washington State [abstract].

Brandon, M. T.; Calderwood, A. R., 1990, High-pressure metamorphism and uplift of the Olympic subduction complex.*

Cady, W. M.; Tabor, R. W., 1972, Olympic Peninsula in the light of plate tectonics [abstract].

Calderone, G. J.; Butler, R. F., 1988, The effects of randomly directed noise on paleomagnetic directions [abstract].

Calderwood, A. R.; Brandon, M. T., 1990, Structure and tectonics of the Olympic Mountains subduction complex, Cascadia convergent margin [abstract].

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Eckerlin, R. D., 1989, Dams of the Olympic Peninsula—Introduction and geologic setting.

Engebretson, D. C.; Warnock, A.; Burmester, R. F.; Kelley, K.; Beck, M. E., Jr., 1988, Paleomagnetic results from the Crescent Formation on the Olympic Peninsula, Washington—A progress report [abstract].

Green, A. G.; Clowes, R. M.; Ellis, R. M., 1990, Crustal studies across Vancouver Island and adjacent offshore margin.

Kerr, R. A., 1991, Big squeeze points to a big quake.

Koler, T. E.; Neal, K. G., 1989, Chestershire and Backdrop timber sales—Case histories of the practice of engineering geology in the Olympic National Forest.

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; Dragert, Herb, 1987, Strain accumulation across the Strait of Juan de Fuca and in the Olympic Mountains, Washington [abstract].

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E., 1990, Crustal strain.

Monger, J. W. H., 1990, Regional structural setting of Vancouver, British Columbia [abstract].

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E.; Svarc, J. L., 1991, Crustal strain.

Muhs, D. R.; Thorson, R. M.; Clague, J. J.; Mathews, W. H.; McDowell, P. F.; Kelsey, H. M., 1987, Pacific Coast and mountain system.

Orange, D. L., 1990, Criteria helpful in recognizing shear-zone and diapiric melanges—Examples from the Hoh accretionary complex, Olympic Peninsula, Washington.

Paterson, S. R.; Brandon, M. T., 1990, The significance of strains associated with cleavage development in the Olympic Mountains, Washington [abstract].

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Roden, M. K.; Brandon, M. T., 1990, Apatite fission-track thermochronology of the Olympic subduction complex, Washington [abstract].

Savage, J. C.; Lisowski, Michael, 1991, Strain measurements and the potential for a great subduction earthquake off the coast of Washington.

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Snavely, P. D., Jr.; Kvenvolden, K. A., 1989, Geology and hydrocarbon potential.

Snavely, P. D., Jr.; Kvenvolden, K. A.; and others, 1989, Preliminary evaluation of the petroleum potential of the Tertiary accretionary terrane, west side of the Olympic Peninsula, Washington.

Yorath, C. J.; Davis, E. E., 1988, Cenozoic accretion history of the Vancouver Island continental margin [abstract].

Yorath, C. J.; Massey, N. W. D., 1989, Tertiary accretion history of the Vancouver Island continental margin [abstract].

OLYMPIC SUBDUCTION COMPLEX

Boyer, S. E.; Lingley, W. S., Jr., 1991, Structure and kinematics of the Olympic subduction complex, NW Washington, and implications for mechanical models of accretionary prisms [abstract].

Calderwood, A. R., 1991, The uplift of subduction complexes; Constraints from the Cascadia convergent margin [abstract].*

OLYMPIC–WALLOWA LINEAMENT

Hooper, P. R.; Conrey, R. M., 1989, The Olympic-Wallowa-lineament (OWL) as a Basin and Range-related megashear, and its control of magmatism during the eruption of the Columbia River basalts [abstract].

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

OREGON – AREAL GEOLOGY

Ahmad, Raisuddin, 1985, Eocene tectonics and sedimentation in southwest Oregon and their relationship with the origin of Oregon Cascade volcanic arc.

Beaulieu, J. D., 1973, Environmental geology of inland Tillamook and Clatsop Counties, Oregon.

Beaulieu, J. D., 1974, Geologic hazards of the Bull Run watershed, Multnomah and Clackamas Counties, Oregon.

Beaulieu, J. D.; Hughes, P. W., 1975, Environmental geology of western Coos and Douglas Counties, Oregon.

Gless, J. D., 1989, Slope stability as related to geology at Rainier, Columbia County, Oregon.

Hammond, P. E.; Benson, G. T.; Cash, D. J.; Palmer, L. A.; Donovan, Jan; Gannon, Brian, 1974, A preliminary geological investigation of the ground effects of earthquakes in the Portland metropolitan area, Oregon.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Miller, P. R., 1984, Mid Tertiary history of the Oregon western Cascades [abstract].

Palmer, L. A.; Redfern, Roger, 1973, Environmental geology for planning of the Marquam Hill area, Portland, Oregon.

Schlicker, H. G.; Deacon, R. J.; Olcott, G. W.; Beaulieu, J. D., 1973, Environmental geology of Lincoln County, Oregon.

Short, N. M., 1987, Terranes as terrains—A geomorphic study of the Klamath Mountains [abstract].

Snavely, P. D., Jr.; Wagner, H. C.; Lander, D. L., 1984, Land-sea geologic cross section of the southern Oregon continental margin [abstract].

Yeats, R. S., 1990, A search for active faults in the Willamette Valley, Oregon.*

Yeats, R. S.; Graven, E. P.; Werner, K. S., 1989, Bedrock geologic map of the Willamette Valley, Oregon [abstract].

OREGON – BIBLIOGRAPHY

Manson, C. J., compiler, 1988, Seismic hazards of western Washington and selected adjacent areas—Bibliography and index, 1855-June 1988.*

OREGON – CASCADE RANGE

see also OREGON – NEWBERRY VOLCANO

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Ahmad, Raisuddin, 1985, Eocene tectonics and sedimentation in southwest Oregon and their relationship with the origin of Oregon Cascade volcanic arc.

Bacon, C. R., 1983, Eruptive history of Mount Mazama and Crater Lake caldera, Cascade Range, U.S.A.

Bacon, C. R.; Lanphere, M. A.; O'Neil, J. R., 1989, Strontium and oxygen isotopes in volcanic rocks near Crater Lake, Oregon, and their bearing on arc magmatism.

Benda, L. E.; Cundy, T. W., 1990, Predicting deposition of debris flows in mountain channels.

Benda, L. E.; Dunne, Thomas, 1988, Variation of channel morphology controlled by the frequency and magnitude of mass wasting [abstract].

Berge, P. A., 1985, Teleseismic P-wave traveltime residuals across the Cascade Range in southern Oregon.

Blackwell, D. D.; Steele, J. L.; Frohme, M. K.; Murphey, C. F.; Priest, G. R.; Black, G. L., 1990, Heat flow in the Oregon Cascade Range and its correlation with regional gravity, Curie point depths, and geology.*

Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.

Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Carlson, R. W.; Hart, W. K., 1990, Westward migration of calc-alkaline basaltic volcanism and the nature of the Cascade–Basin and Range boundary [abstract].

Catchings, R. D.; Mooney, W. D., 1988, Crustal structure of east central Oregon—Relation between Newberry Volcano and regional crustal structure.

Cotton, J. A.; Catchings, R. D., 1989, Data report for the 1983 U.S. Geological Survey east-central Oregon seismic refraction experiment.

Couch, R. W.; Foote, R. W., 1985, The Shukash and Lapine basins—Pleistocene depressions in the Cascade Range of central Oregon [abstract].

Crampin, Stuart; McGonigle, Robert; Ando, Masataka, 1986, Extensive-dilatancy anisotropy beneath Mount Hood, Oregon and the effect of aspect ratio on seismic velocities through aligned cracks.

Curtis, J. H.; Jiracek, G. R.; Stevens, J. L.; Barker, Terry, 1987, Two-dimensional inverse modeling of land EMSLAB magnetotelluric data [abstract].

Ferrick, M. G.; Qamar, A. I.; St. Lawrence, W. F., 1982, Source mechanism of volcanic tremor.

Fitterman, D. V.; Neev, D. K., 1985, Transient sounding investigation of Newberry Volcano, Oregon.

Fitterman, D. V.; Stanley, W. D.; Bisdorf, R. J., 1988, Electrical structure of Newberry Volcano, Oregon.

Gettings, M. E.; Griscom, Andrew, 1988, Gravity model studies of Newberry Volcano, Oregon.

Green, S. M.; Weaver, C. S.; Iyer, H. M., 1979, Seismic studies at the Mt. Hood volcano, northern Cascade Range, Oregon.

Hermance, J. F.; Lusi, S.; Slocum, W.; Neumann, G. A.; Green, A. W., Jr.; Stanley, W. D.; Jones, A. G.; Filloux, J. H.; Law, L. K.; Auld, D. R.; Booker, J. R., 1987, Tectonic implications of a generalized 2-D inversion of magnetotelluric and magnetic variation data for an east-west transect across the Oregon Coast Range and High Cascades [abstract].

Hill, B. E., 1988, The Bull Springs inlier and its significance to Oregon central High Cascade tectonics [abstract].

Hughes, S. S., 1984, Structural and petrochemical indicators for an extensional tectonic regime imposed on central High Cascade volcanism [abstract].

Hughes, S. S., 1990, Mafic magmatism and associated tectonism of the central High Cascade Range, Oregon.*

Ingebritsen, S. E.; Sherrod, D. R.; Mariner, R. H., 1989, Heat flow and hydrothermal circulation in the Cascade Range, north-central Oregon.

Iyer, H. M.; Rite, Alan, 1981, Teleseismic P-wave delays in the Oregon Cascades [abstract].

Iyer, H. M.; Rite, Alan; Kollman, Auriel; Knapp, David, 1983, Seismic monitoring, Oregon and California volcanoes [abstract].

Iyer, H. M.; Rite, Alan; Kollman, Auriel; Knapp, David, 1983, Seismicity in the Cascades of Oregon and California [abstract].

Keach, R. W., II, 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Oliver, J. E.; Brown, L. D.; Kaufman, Sidney, 1989, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Potter, C. J.; Oliver, J. E.; Brown, L. D., 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon [abstract].

Kollman, Auriel; Zollweg, J. E., 1985, Oregon Cascades earthquake catalog—August 1, 1980–October 31, 1982 [abstract].

Leaver, D. S., 1984, Mixed stochastic and deterministic modeling of the crustal structure in the vicinity of Mt. Hood, Ore. [abstract].

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1983, Seismic studies between Crater Lake and Mount Hood [abstract].

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1984, A seismic refraction study of the Oregon Cascades.

Livelybrooks, D. W.; Clingman, W. W.; Rygh, J. T.; Urquhart, S. A.; Waff, H. S., 1989, A magnetotelluric study of the High Cascades graben in central Oregon.

Long, M. T., 1987, Camp Five slide—Exploration, design and construction of a horizontal drain solution [abstract].

Miller, P. R., 1984, Mid Tertiary history of the Oregon western Cascades [abstract].

Morris, I., 1989, Geomorphology and evolution of the Quaternary stratovolcanoes in the High Cascades and Japan [abstract].

Muffler, L. J. P.; and others, 1989, South Cascades arc volcanism, California and southern Oregon—Red Bluff to Redding, California, July 20-26, 1989.

Nelson, C. H.; Larsen, M. C.; Thor, D. R.; Wright, A. A., 1980, Sedimentary history of the floor of Crater Lake, Oregon—A restricted basin with non-channelized turbidites [abstract].

Neumann, G. A.; Hermance, J. F., 1989, The deep crustal structure of the Oregon Cascades—Electromagnetic constraints [abstract].

Priest, G. R., 1989, Model for volcanic arc migration and uplift in the Cascades [abstract].

Priest, G. R., 1990, Volcanic and tectonic evolution of the Cascade volcanic arc—Central Oregon.*

Rite, Alan; Iyer, H. M., 1981, July 1980 Mt. Hood earthquake swarm.

Rite, Alan; Iyer, H. M.; Rojas, V., 1980, July 1980 Mount Hood earthquake swarm [abstract].

Rygh, J. T.; Livelybrooks, D. W.; Urquhart, S. A.; Waff, H. S.; Clingman, W. W., 1986, A magnetotelluric study of the High Cascades graben, Oregon [abstract].

Sherrod, D. R., 1987, New compilation map of the Cascade Range in Oregon.

Sherrod, D. R.; Pickthorn, L. B. G., 1989, A note on the origin of Bull Run and Lost Lakes, western Cascades, Oregon.

Sherrod, D. R.; Pickthorn, L. B. G., 1989, Some notes on the Neogene structural evolution of the Cascade Range in Oregon.

Smith, G. A., 1985, Basin analysis of the Deschutes Formation—An example of the role of sedimentology in the study of Cascade arc evolution [abstract].

Smith, G. A.; Snee, L. W., 1984, Revised stratigraphy of the Deschutes basin, Oregon—Implications for the Neogene development of the central Oregon Cascades [abstract].

Smith, G. A.; Vincent, K. R.; Snee, L. W., 1989, An isostatic model for basin formation in and adjacent to the central Oregon High Cascade Range.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Stauber, D. A.; Green, S. M.; Iyer, H. M., 1988, Three-dimensional P velocity structure of the crust below Newberry Volcano, Oregon.

Stauber, D. A.; Iyer, H. M.; Mooney, W. D.; Dawson, P. B., 1985, Three-dimensional P-velocity structure of the summit caldera of Newberry Volcano, Oregon.

Sternberg, B. K.; Washburne, J. C.; Pellerin, Louise, 1988, Correction for the static shift in magnetotellurics using transient electromagnetic soundings.

Taylor, E. M., 1990, Volcanic history and tectonic development of the central High Cascade Range, Oregon.*

Verplanck, E. P.; Duncan, R. A., 1985, Temporal geochemical variations in the Western Cascades and the effect of slowing convergence rate [abstract].

Weaver, C. S.; Green, S. M.; Iyer, H. M., 1982, Seismicity of Mount Hood and structure as determined from teleseismic P wave delay studies.*

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.

Westhusing, J. K., 1974, Reconnaissance surveys of near-event seismic activity in the volcanoes of the Cascade Range, Oregon.

Wolfe, E. W.; Miller, C. D., 1990, Volcano hazards in the Pacific Northwest [abstract].

Young, C. T.; Booker, J. R.; Fernandez, Ricardo; Jiracek, G. R.; Martinez, Mario; Rogers, J. C.; Stodt, John; Waff, H. S.; Wannamaker, P. E., 1988, Verification of five magnetotelluric systems in the mini-EMSLAB experiment.

OREGON – COAST RANGE

Babcock, R. S.; Engebretson, D. C., 1991, Kula–Farallon–North America plate interactions and basalt extrusion in the Oregon–Washington Coast Range [abstract].

Benda, L. E., 1985, Behavior and effect of debris flows on streams in the Oregon Coast Range.

Benda, L. E.; Cundy, T. W., 1990, Predicting deposition of debris flows in mountain channels.

Benda, L. E.; Dunne, Thomas, 1987, Sediment routing by debris flow.

Calderone, G. J.; Butler, R. F., 1988, The effects of randomly directed noise on paleomagnetic directions [abstract].

Cornforth, D. H., 1990, Earthquake-induced landslides.

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Snavely, P. D., Jr.; Wagner, H. C.; Lander, D. L., 1984, Land-sea geologic cross section of the southern Oregon continental margin [abstract].

Youd, T. L.; Madin, I. P., 1991, Liquefaction hazard mapping for the Portland, Oregon region.

Young, C. T.; Kitchen, M. R., 1989, A magnetotelluric transect in the Oregon Coast Range.

OREGON – EARTHQUAKES AND SEISMOLOGY

Algermissen, S. T., 1990, Regional and national seismic hazard and risk assessment.

Algermissen, S. T.; Perkins, D. M.; Thenhaus, P. C.; Hanson, S. L.; Bender, B. L., 1990, Probabilistic earthquake acceleration and velocity maps for the United States and Puerto Rico.

Ballantyne, D. B., 1990, Lifelines session.

Beaulieu, J. D.; Hughes, P. W., 1975, Environmental geology of western Coos and Douglas Counties, Oregon.

Berg, J. W., Jr.; Baker, C. D., 1963, Oregon earthquakes, 1841 through 1958 [abstract].

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.

Bodvarsson, G. M., 1975, Ocean wave-generated microseisms at the Oregon coast.

Boyle, B. J., 1990, Welcome address.

Byerly, Perry, 1940, Seismicity of the northern Pacific Coast of the United States.

Chan, W. W.; Wagner, R. A.; Cessaro, R. K.; Gupta, I. N., 1989, Source time functions of some Cascadian earthquakes [abstract].

Cohee, B. P.; Somerville, P. G.; Abrahamson, N. A., 1990, Ground motions from hypothesized M_w=8 subduction earthquakes in the Pacific Northwest [abstract].

Cohee, B. P.; Somerville, P. G.; Abrahamson, N. A., 1991, Simulated ground motions for hypothesized M_w=8 subduction earthquakes in Washington and Oregon.*

Cohee, B. P.; Somerville, P. G.; Sen, M. K., 1989, Strong ground motions in the Seattle–Portland region from hypothesized M_w=8 subduction earthquake [abstract].

Couch, R. W.; Lowell, R. P., 1971, Earthquakes and seismic energy release in Oregon.

Couch, R. W.; Pietrafesa, L. J., 1968, Earthquakes off the Oregon coast, January 1968 to September 1968.

Couch, R. W.; Thrasher, G. P.; Keeling, Kenneth, 1976, The Deschutes Valley earthquake of April 12, 1976.

Crosson, R. S., 1990, Regional seismicity and tectonics [abstract].

Crosson, R. S.; Ludwin, R. S., 1989, Regional seismic monitoring in western Washington.

Crosson, R. S.; Malone, S. D.; Qamar, A. I.; Ludwin, R. S., 1991, 1. Regional seismic monitoring in western Washington, and, 2. Seismic monitoring of volcanic and subduction processes in Washington and Oregon.*

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1991, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.*

Darienzo, M. E.; Peterson, C. D.; Clough, C. M., 1991, Stratigraphic evidence for synchroneity of coseismic burial events between bays along the northern Oregon coast [abstract].

Dewey, J. W.; Spence, W. J., 1978, Expected ground motion at proposed nuclear power plant sites [abstract].

Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Elliott, W. M., 1988, The need to mitigate earthquake hazards to lifelines.

Elliott, W. M., 1990, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Ferrick, M. G.; Qamar, A. I.; St. Lawrence, W. F., 1982, Source mechanism of volcanic tremor.

Friday, W. M., 1989, Oregon's building regulation system.

Ganoe, S. J., 1983, Investigation of Pn wave propagation in Oregon.

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C., 1989, More evidence from tidal-marsh stratigraphy for multiple late Holocene subduction earthquakes along the northern Oregon coast [abstract].

Grant, W. C.; McLaren, D. D., 1987, Evidence for Holocene subduction earthquakes along the northern Oregon coast [abstract].

Green, S. M.; Weaver, C. S.; Iyer, H. M., 1979, Seismic studies at the Mt. Hood volcano, northern Cascade Range, Oregon.

Hammond, P. E.; Benson, G. T.; Cash, D. J.; Palmer, L. A.; Donovan, Jan; Gannon, Brian, 1974, A preliminary geological investigation of the ground effects of earthquakes in the Portland metropolitan area, Oregon.

Hays, W. W., editor, 1988, Workshop on "Evaluation of earthquake hazards and risk in the Puget Sound and Portland areas"; Proceedings of conference XLII.

Hays, W. W., 1989, Preface.

Hays, W. W., editor; Huey, Linda, compiler, 1989, Proceedings of Conference XLVIII, 3rd annual workshop on "Earthquake hazards in the Puget Sound, Portland area".

Hearn, Thomas; Beghoul, Noureddine; Barazangi, Muawia, 1991, Tomography of the western United States from regional arrival times.

Heaton, T. H.; Hartzell, S. H., 1989, Estimation of strong ground motions from hypothetical earthquakes on the Cascadia subduction zone, Pacific Northwest.*

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Iyer, H. M.; Rite, Alan, 1981, Teleseismic P-wave delays in the Oregon Cascades [abstract].

Iyer, H. M.; Rite, Alan; Kollman, Auriel; Knapp, David, 1983, Seismic monitoring, Oregon and California volcanoes [abstract].

Iyer, H. M.; Rite, Alan; Kollman, Auriel; Knapp, David, 1983, Seismicity in the Cascades of Oregon and California [abstract].

Johnson, A. G.; Scofield, D. H., 1985, Seismic acceleration hazard maps for Oregon [abstract].

Johnson, A. G.; Scofield, D. H.; Sager, J. W.; Grubaugh, Phil, 1984, Seismic hazard maps for Oregon [abstract].

Kollman, Auriel; Zollweg, J. E., 1982, Oregon seismicity—August 1980 to October 1982.*

Kollman, Auriel; Zollweg, J. E., 1985, Oregon Cascades earthquake catalog—August 1, 1980–October 31, 1982 [abstract].

Langston, C. A., 1977, Corvallis, Oregon, crustal and upper mantle receive structure from teleseismic P and S waves.

Logan, R. L.; Palmer, S. P., 1989, 1989 earthquake workshop.

Ludwin, R. S.; Malone, S. D.; Crosson, R. S.; Qamar, A. I., 1991, Washington earthquakes, 1985.

Ludwin, R. S.; Qamar, A. I., 1991, Reevaluation of the 19th century Washington and Oregon earthquake catalog using original accounts—The moderate sized earthquake of May 1, 1882 [abstract].

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Madin, I. P., 1989, Evaluating earthquake hazards in Oregon.

Madin, I. P., 1989, Evaluating earthquake hazards in the Portland, Oregon, metropolitan area—Mapping potentially hazardous soils.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon—Text and map explanation.*

Madin, I. P.; Pezzopane, Silvio, 1990, Quaternary deformation in the Portland metro area [abstract].

Maley, Richard, 1986, Strong motion accelerograph stations in Oregon and Washington (April 1986).

Manson, C. J., compiler, 1988, Seismic hazards of western Washington and selected adjacent areas—Bibliography and index, 1855-June 1988.*

May, P. J., 1988, Considering earthquake risk reduction policies and practices.

May, P. J., 1990, Earthquake risk reduction prospects—Puget Sound–Portland assessment.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Anticipating earthquakes—Risk reduction policies and practices in the Puget Sound and Portland areas.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Earthquake risk reduction profiles—Local policies and practices in the Puget Sound and Portland areas.

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Murphy, T. M.; Niem, A. R., 1982, Tectonic and paleoenvironmental significance and magnetic-geochemical stratigraphy of the Columbia River basalt at the middle Miocene shoreline, northwestern Oregon Coast Range [abstract].

Murray, Joseph, 1989, Oregon report.

Nabelek, J. L.; Werner, K. S.; Yeats, R. S.; Malone, S. D., 1990, The August, 1990, Woodburn, Oregon earthquake sequence—Constraints from broadband regional recording and geological implications [abstract].

National Science Foundation; and others, sponsors, 1984, Seismic hazards and mitigation strategies for older and historic unreinforced masonry buildings in small towns in Oregon and Washington; conference proceedings, Nov. 8 and 9, 1984, Seattle.

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.*

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Neumann, Frank, 1959, Seismological aspects of the earthquake engineering problem.

Newton, V. C., Jr.; Peterson, N. V., 1973, Geologic criteria for siting nuclear power plants in Oregon.

Noson, L. L., 1988, Objectives of the workshop.

Oregon Geology, 1991, Significant Oregon earthquakes in 1991.

Packard, E. L., 1947, Status of seismology in Oregon [abstract].

Palmer, S. P., 1991, Western Oregon seismic hazards workshop.

Palmer, S. P., 1991, Workshop on Oregon earthquake source zones.

Perbix, T. W., 1988, Evaluation of earthquake hazard and risk in the Puget Sound and Portland areas.

Peterson, C. D., 1989, Megathrust and upper-plate paleoseismicity of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E., 1989, Episodic, abrupt tectonic subsidence recorded in late Holocene deposits of the South Slough syncline—An on-land expression of shelf fold belt deformation from the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Pringle, P. T.; Palmer, S. P.; Logan, R. L., 1990, Highlights of the fourth annual NEHRP workshop for Puget Sound and Portland areas.

Qamar, A. I.; Ludwin, R. S., 1991, Earthquake intensities.

Rasmussen, J. R.; Humphreys, E. D., 1990, Tomographic image of the upper mantle P-wave velocity structure beneath Washington and western Oregon [abstract].

Rinehart, V. J., 1964, Investigation of twelve earthquakes off the Oregon and northern California coasts.

Rite, Alan; Iyer, H. M., 1981, July 1980 Mt. Hood earthquake swarm.

Rite, Alan; Iyer, H. M., 1981, Oregon seismicity—1981 [abstract].

Rite, Alan; Iyer, H. M.; Rojas, V., 1980, July 1980 Mount Hood earthquake swarm [abstract].

Rogers, G. C., compiler, 1979, Seismicity to the end of 1977.

Shedlock, K. M.; Weaver, C. S., 1991, Program for earthquake hazards assessment in the Pacific Northwest.

Sirles, P. C., 1988, Shear wave velocity measurements in embankment dams.

Smith, W. D., 1950, Faults and earthquake possibilities in Oregon [abstract].

Sokolowski, T. J.; Fuller, G. W.; Blackford, M. E.; Jorgensen, W. J., 1983, The Alaska Tsunami Warning Center's automatic earthquake processing system.

Somerville, P. G., 1989, Strong ground motion attenuation in the Puget Sound–Portland region.

Somerville, P. G.; Cohee, B. P., 1989, Simulation and empirical studies of ground motion attenuation in the Seattle–Portland region.*

Somerville, P. G.; Cohee, B. P.; Sen, M. K., 1989, Estimates of strong ground motions in the Seattle–Portland region from hypothesized magnitude 8 Cascadia subduction earthquakes.

Steele, Chuck, 1988, Overview of emergency management planning and response planning.

Stoddard, P. R.; Woods, M. T., 1989, Master event relocations of Gorda plate earthquakes [abstract].

Stover, C. W.; Brewer, L. R., 1991, United States earthquakes, 1985.

Sullivan, Ken, 1990, [Lifelines].

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

University of Washington Geophysics Program, 1988-91, Quarterly network report...on seismicity of Washington and northern Oregon.*

Von Hake, C. A., 1976, Earthquake history of Oregon.

Walsh, T. J.; Madin, I. P.; Noson, L. L.; Yelin, T. S., 1990, Proceedings of Conference LX, 4th annual workshop on "Earthquake hazards in the Puget Sound and Portland areas".

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao, 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao; Ballantyne, D. B.; Elliott, W. M., 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Weaver, C. S., 1991, Geothermal seismotectonic studies.*

Weaver, C. S.; Green, S. M.; Iyer, H. M., 1982, Seismicity of Mount Hood and structure as determined from teleseismic P wave delay studies.*

Werner, K. S.; Nabelek, J. L.; Yeats, R. S.; Malone, S. D., 1990, The Mt. Angel fault—Implications of August, 1990, Woodburn, Oregon earthquake sequence [abstract].

Westhusing, J. K., 1974, Reconnaissance surveys of near-event seismic activity in the volcanoes of the Cascade Range, Oregon.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Preliminary assessment of potential strong earthquake ground shaking in the Portland, Oregon, metropolitan area.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Site-specific earthquake strong ground motion studies in the Puget Sound and Portland, Oregon metropolitan areas.

Woodcock, S. F.; Couch, R. W., 1975, The Tillamook earthquakes of 16 June 1973 [abstract].

Woodward, John; White, James; Cummings, Ronald, 1990, Paleoseismicity and the archaeological record—Areas of investigation on the northern Oregon coast.

Yeats, R. S., 1989, Current assessment of earthquake hazard in Oregon.

Yeats, R. S., 1989, The search for large earthquakes in Oregon [abstract].

Yeats, R. S., 1990, A search for active faults in the Willamette Valley, Oregon.*

Yelin, T. S.; Patton, H. J., 1991, Seismotectonics of the Portland, Oregon, region.*

OREGON – ENGINEERING GEOLOGY (including soil mechanics)

Ake, Jon; Markiewicz, R. D.; Butler, David; Harrell, H. C., 1988, Impact of shallow seismic exploration on engineering decisions at Cold Springs Dam, Oregon [abstract].

Dewey, J. W.; Spence, W. J., 1978, Expected ground motion at proposed nuclear power plant sites [abstract].

Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Elliott, W. M., 1990, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Friday, W. M., 1989, Oregon's building regulation system.

May, P. J., 1990, Earthquake risk reduction prospects—Puget Sound–Portland assessment.

National Science Foundation; and others, sponsors, 1984, Seismic hazards and mitigation strategies for older and historic unreinforced masonry buildings in small towns in Oregon and Washington; conference proceedings, Nov. 8 and 9, 1984, Seattle.

Neumann, Frank, 1959, Seismological aspects of the earthquake engineering problem.

Newton, V. C., Jr.; Peterson, N. V., 1973, Geologic criteria for siting nuclear power plants in Oregon.

Oregon Department of Geology and Mineral Industries, 1978, Geologic hazards review—Trojan nuclear power plant site, Columbia County, Oregon.

Sirles, P. C., 1988, Shear wave velocity measurements in embankment dams.

Tilford, K. R., 1990, Site geology and construction dewatering of the Marmot Dam rehabilitation near Sandy, Oregon [abstract].

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao, 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao; Ballantyne, D. B.; Elliott, W. M., 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

OREGON – GEOCHRONOLOGY

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Sherrod, D. R.; Pickthorn, L. B. G., 1989, Some notes on the Neogene structural evolution of the Cascade Range in Oregon.

OREGON – GEOLOGIC HAZARDS

Ballantyne, D. B., 1990, Lifelines session.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon [abstract].

Shedlock, K. M.; Weaver, C. S., 1991, Program for earthquake hazards assessment in the Pacific Northwest.

Sullivan, Ken, 1990, [Lifelines].

Walsh, T. J.; Madin, I. P.; Noson, L. L.; Yelin, T. S., 1990, Proceedings of Conference LX, 4th annual workshop on "Earthquake hazards in the Puget Sound and Portland areas".

Youd, T. L.; Madin, I. P., 1991, Liquefaction hazard mapping for the Portland, Oregon region.

OREGON – GEOPHYSICS – ELECTRICAL AND MAGNETIC SURVEYS

Bisdorf, R. J., 1985, Schlumberger sounding results over the Newberry Volcano area, Oregon.

Chave, A. D.; Thomson, D. J., 1989, Some comments on magnetotelluric response function estimation.

Curtis, J. H.; Jiracek, G. R.; Stevens, J. L.; Barker, Terry, 1987, Two-dimensional inverse modeling of land EMSLAB magnetotelluric data [abstract].

Egbert, G. D.; Booker, J. R., 1989, Multivariate analysis of geomagnetic array data; 1. The response space.

EMSLAB Group, 1988, The EMSLAB electromagnetic sounding experiment.

Filloux, J. H.; Law, L. K.; Yukutake, T.; Segawa, J.; Hamano, Y.; Utada, H.; White, A.; Chave, A. D.; Tarits, Pascal; Green, A. W., Jr., 1989, OFFSHORE EMSLAB—Objectives, experimental phase and early results.

Fitterman, D. V.; Neev, D. K., 1985, Transient sounding investigation of Newberry Volcano, Oregon.

Fitterman, D. V.; Stanley, W. D.; Bisdorf, R. J., 1988, Electrical structure of Newberry Volcano, Oregon.

Gough, D. I.; McKirdy, D. M.; Woods, D. V.; Geiger, H. D., 1989, Conductive structures and tectonics beneath the EMSLAB land array.

Hermance, J. F.; Lusi, S.; Slocum, W.; Neumann, G. A.; Green, A. W., Jr., 1989, A high-density remote reference magnetic variation profile in the Pacific Northwest of North America.

Hermance, J. F.; Lusi, S.; Slocum, W.; Neumann, G. A.; Green, A. W., Jr.; Stanley, W. D.; Jones, A. G.; Filloux, J. H.; Law, L. K.; Auld, D.R.; Booker, J. R., 1987, Tectonic implications of a generalized 2-D inversion of magnetotelluric and magnetic variation data for an east-west transect across the Oregon Coast Range and High Cascades [abstract].

Jiracek, G. R.; Curtis, J. H.; Ramirez, Jorge; Martinez, Mario; Romo, Jose, 1989, Two-dimensional magnetotelluric inversion of the EMSLAB Lincoln Line.

Jones, A. G.; Chave, A. D.; Egbert, G. D.; Auld, D. R.; Bahr, Karsten, 1989, A comparison of techniques for magnetotelluric response function estimation.

Livelybrooks, D. W.; Clingman, W. W.; Rygh, J. T.; Urquhart, S. A.; Waff, H. S., 1989, A magnetotelluric study of the High Cascades graben in central Oregon.

Neumann, G. A.; Hermance, J. F., 1989, The deep crustal structure of the Oregon Cascades—Electromagnetic constraints [abstract].

Rygh, J. T.; Livelybrooks, D. W.; Urquhart, S. A.; Waff, H. S.; Clingman, W. W., 1986, A magnetotelluric study of the High Cascades graben, Oregon [abstract].

Shoemaker, C. L.; Shoham, Yoram; Hockey, R. L., 1989, Calibration case study of natural source electromagnetic array data recorded over a well in Oregon.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Sternberg, B. K.; Washburne, J. C.; Pellerin, Louise, 1988, Correction for the static shift in magnetotellurics using transient electromagnetic soundings.

Urquhart, S. A.; Waff, H. S.; Rygh, J. T.; Clingman, W. W.; Livelybrooks, D. W., 1986, A magnetotelluric investigation of the Newberry Volcano, Oregon [abstract].

Waff, H. S.; Rygh, J. T.; Livelybrooks, D. W.; Clingman, W. W., 1988, Results of a magnetotelluric traverse across western Oregon—Crustal resistivity structure and the subduction of the Juan de Fuca plate.

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Chave, A. D., 1989, Uncovering deep structure, fluid movement and melting in the Cascadia subduction system from geomagnetic induction measurements [abstract].

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Jiracek, G. R.; Chave, A. D.; Tarits, Pascal; Waff, H. S.; Egbert, G. D.; and others, 1989, Magnetotelluric observations across the Juan de Fuca subduction system in the EMSLAB project.

Wannamaker, P. E.; Booker, J. R.; Jones, A. G.; Chave, A. D.; Filloux, J. H.; Waff, H. S.; Law, L. K., 1989, Resistivity cross section through the Juan de Fuca subduction system and its tectonic implications.

Young, C. T.; Booker, J. R.; Fernandez, Ricardo; Jiracek, G. R.; Martinez, Mario; Rogers, J. C.; Stodt, John; Waff, H. S.; Wannamaker, P. E., 1988, Verification of five magnetotelluric systems in the mini-EMSLAB experiment.

Young, C. T.; Kitchen, M. R., 1989, A magnetotelluric transect in the Oregon Coast Range.

OREGON – GEOPHYSICS – GEODESY AND GEODETIC SURVEYS

Vincent, Paul, 1989, Geodetic deformation of the southern Cascadia margin.

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

OREGON – GEOPHYSICS – GRAVITY SURVEYS

Alemi, M. A., 1978, A gravity survey of Coos Bay, Oregon.

Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.

Beeson, P. T.; Johnson, A. G., 1990, Gravity of the greater Portland area [abstract].

Blackwell, D. D.; Steele, J. L.; Frohme, M. K.; Murphey, C. F.; Priest, G. R.; Black, G. L., 1990, Heat flow in the Oregon Cascade Range and its correlation with regional gravity, Curie point depths, and geology.*

Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.

Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].

Bruemmer, J. L., 1964, Gravity models for peridotite injection and local metamorphism along north-northeast-trending zones of tectonism, southwest Oregon.

Couch, R. W.; Foote, R. W., 1985, The Shukash and Lapine basins—Pleistocene depressions in the Cascade Range of central Oregon [abstract].

Davis, S. A., 1988, An analysis of the eastern margin of the Portland basin using gravity surveys.

Gettings, M. E.; Griscom, Andrew, 1988, Gravity model studies of Newberry Volcano, Oregon.

Johnson, A. G.; Beeson, P. T., 1989, Analysis of gravity data for the greater Portland area.*

Johnson, A. G.; Davis, S. A.; Perttu, J. C.; Titus, W. S., 1988, Analysis of gravity data in the Portland area [abstract].

Riddihough, R. P., 1985, The Roseburg–Pendleton (ROPE) lineament, Oregon [abstract].

OREGON – GEOPHYSICS – PALEOMAGNETISM

Calderone, G. J.; Butler, R. F., 1988, The effects of randomly directed noise on paleomagnetic directions [abstract].

Hanna, R. L.; Verosub, K. L., 1989, A review of lacustrine paleomagnetic records from western North America—0-40,000 years BP.

Herrero-Bervera, Emilio; Helsley, C. E.; Hammond, S. R.; Chitwood, L. A., 1989, A possible lacustrine paleomagnetic record of the Blake episode from Pringle Falls, Oregon, U.S.A..

Negrini, R. M.; Darke, Rick; Hoare, Brian, 1987, Climate-induced variations in the geomagnetic field—Possible supporting evidence from a Pleistocene paleomagnetic record [abstract].

Negrini, R. M.; Verosub, K. L.; Davis, J. O., 1986, 400,000 years of geomagnetic field behavior as recorded in fine-grained sediments from Summer Lake, Lake County, Oregon [abstract].

Verosub, K. L.; Mehringer, P. J., Jr., 1987, Holocene geomagnetic intensity variations in western North America—The record from Fish Lake, Oregon [abstract].

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.

OREGON – GEOPHYSICS – SEISMIC SURVEYS

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Ake, Jon; Markiewicz, R. D.; Butler, David; Harrell, H. C., 1988, Impact of shallow seismic exploration on engineering decisions at Cold Springs Dam, Oregon [abstract].

Berge, P. A., 1985, Teleseismic P-wave traveltime residuals across the Cascade Range in southern Oregon.

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.

Catchings, R. D.; Mooney, W. D., 1988, Crustal structure of east central Oregon—Relation between Newberry Volcano and regional crustal structure.

Clarke, S. H., Jr.; McClellan, P. H., 1989, Multichannel seismic-reflection profiles collected in May 1981, between latitudes 40° 40′ and 45° 00′ North, offshore of northern California and southern Oregon.

Cochrane, G. R.; Lewis, B. T. R., 1988, Deep-tow seismic reflection records from the Oregon lower slope [abstract].

Cotton, J. A.; Catchings, R. D., 1989, Data report for the 1983 U.S. Geological Survey east-central Oregon seismic refraction experiment.

Crampin, Stuart; McGonigle, Robert; Ando, Masataka, 1986, Extensive-dilatancy anisotropy beneath Mount Hood, Oregon and the effect of aspect ratio on seismic velocities through aligned cracks.

Dawson, P. B.; Stauber, D. A., 1986, Data report for a three-dimensional high-resolution P-velocity structural investigation of Newberry Volcano, Oregon, using seismic tomography.

Iyer, H. M., 1985, Imaging of velocity anomalies in the crust and upper mantle in diverse volcanic environments using teleseismic waves.

Iyer, H. M.; Stauber, D. A., 1985, High-resolution imaging of three-dimensional anomalies using explosion-generated seismic waves [abstract].

Keach, R. W., II, 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Oliver, J. E.; Brown, L. D.; Kaufman, Sidney, 1989, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Potter, C. J., 1989, Eocene to present active margin tectonics, western Oregon, as revealed by deep reflection profiles [abstract].

Keach, R. W., II; Potter, C. J.; Oliver, J. E.; Brown, L. D., 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon [abstract].

Kohler, W. M.; Healy, J. H.; Wegener, S. S., 1982, Upper crustal structure of the Mount Hood, Oregon region as revealed by time term analysis.*

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1983, Seismic studies between Crater Lake and Mount Hood [abstract].

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1984, A seismic refraction study of the Oregon Cascades.

Lister, C. R. B.; deCharon, A. V.; Chiao, L., 1987, Profile delineates tilted sedimentary blocks on both sides of Cascadia spreading center in the Blanco transform [abstract].

Nazy, D. J., 1987, A seismic refraction study of a portion of the northeastern margin of the Tualatin Valley, Oregon.

Nelson, C. H.; Larsen, M. C.; Thor, D. R.; Wright, A. A., 1980, Sedimentary history of the floor of Crater Lake, Oregon—A restricted basin with non-channelized turbidites [abstract].

Potter, C. J., 1989, The deep structure of North American accreted terranes from deep seismic reflection data.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Stauber, D. A., 1984, Oregon seismic experiment.

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Stauber, D. A.; Green, S. M.; Iyer, H. M., 1988, Three-dimensional P velocity structure of the crust below Newberry Volcano, Oregon.

Stauber, D. A.; Iyer, H. M.; Mooney, W. D.; Dawson, P. B., 1985, Three-dimensional P-velocity structure of the summit caldera of Newberry Volcano, Oregon.

Trehu, A. M.; Holt, T.; Shi, J.; Nakamura, Y.; Brocher, T.; Moses, M., 1990, Preliminary results from the 1989 Oregon onshore-offshore seismic imaging experiment [abstract].*

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Weaver, C. S.; Green, S. M.; Iyer, H. M., 1982, Seismicity of Mount Hood and structure as determined from teleseismic P wave delay studies.*

OREGON – GEOTHERMAL RESOURCES and THERMAL SURVEYS

Blackwell, D. D.; Steele, J. L.; Frohme, M. K.; Murphey, C. F.; Priest, G. R.; Black, G. L., 1990, Heat flow in the Oregon Cascade Range and its correlation with regional gravity, Curie point depths, and geology.*

Ingebritsen, S. E.; Sherrod, D. R.; Mariner, R. H., 1989, Heat flow and hydrothermal circulation in the Cascade Range, north-central Oregon.

OREGON – GUIDEBOOKS

Muffler, L. J. P.; and others, 1989, South Cascades arc volcanism, California and southern Oregon—Red Bluff to Redding, California, July 20-26, 1989.

OREGON – LANDSLIDES AND SLOPE STABILITY

Beaulieu, J. D., 1973, Environmental geology of inland Tillamook and Clatsop Counties, Oregon.

Beaulieu, J. D., 1974, Geologic hazards of the Bull Run watershed, Multnomah and Clackamas Counties, Oregon.

Beaulieu, J. D.; Hughes, P. W., 1975, Environmental geology of western Coos and Douglas Counties, Oregon.

Benda, L. E., 1985, Behavior and effect of debris flows on streams in the Oregon Coast Range.

Benda, L. E.; Cundy, T. W., 1990, Predicting deposition of debris flows in mountain channels.

Benda, L. E.; Dunne, Thomas, 1987, Sediment routing by debris flow.

Benda, L. E.; Dunne, Thomas, 1988, Variation of channel morphology controlled by the frequency and magnitude of mass wasting [abstract].

Cornforth, D. H., 1990, Earthquake-induced landslides.

Gless, J. D., 1989, Slope stability as related to geology at Rainier, Columbia County, Oregon.

Henkle, W. R., Jr.; Gentry, W. T.; Bingham, S. P., 1991, Geologic controls on landsliding—Siskiyou Mts. Oregon.

Long, M. T., 1987, Camp Five slide—Exploration, design and construction of a horizontal drain solution [abstract].

Montgomery, D. R.; Dietrich, W. E., 1988, Where do channels begin?.

North, W. B., 1964, Coastal landslides in northern Oregon.

Orange, D. L.; Breen, N. A.; Dahlen, F. A., 1989, Seepage force, submarine canyons, and the inter-relationship of hydrology, geomorphology, and accretionary tectonics [abstract].

Reneau, S. L.; Dietrich, W. E., 1990, Depositional history of hollows of steep hillslopes, coastal Oregon and Washington.

Sayre, W. O.; Komar, P. D., 1988, The Jump-Off Joe landslide at Newport, Oregon—History of erosion, development and destruction.

Schlicker, H. G.; Deacon, R. J.; Olcott, G. W.; Beaulieu, J. D., 1973, Environmental geology of Lincoln County, Oregon.

Schuster, R. L.; Chleborad, A. F., 1989, Landslides in Washington and Oregon—An overview.

Sherrod, D. R.; Pickthorn, L. B. G., 1989, A note on the origin of Bull Run and Lost Lakes, western Cascades, Oregon.

Swanson, F. J.; Benda, L. E.; Duncan, S. H.; Grant, G. E.; Megahan, W. F.; Reid, L. M.; Ziemer, R. R., 1987, Mass failures and other processes of sediment production in Pacific Northwest forest landscapes.

Swanston, D. N.; Lienkaemper, G. W.; Mersereau, R. C.; Levno, A. B., 1988, Timber harvest and progressive deformation of slopes in southwestern Oregon.

OREGON – MAPS – GEOLOGIC

Beaulieu, J. D., 1973, Environmental geology of inland Tillamook and Clatsop Counties, Oregon.

Beaulieu, J. D., 1974, Geologic hazards of the Bull Run watershed, Multnomah and Clackamas Counties, Oregon.

Beaulieu, J. D.; Hughes, P. W., 1975, Environmental geology of western Coos and Douglas Counties, Oregon.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Schlicker, H. G.; Deacon, R. J.; Olcott, G. W.; Beaulieu, J. D., 1973, Environmental geology of Lincoln County, Oregon.

Sherrod, D. R., 1987, New compilation map of the Cascade Range in Oregon.

Yeats, R. S.; Graven, E. P.; Werner, K. S., 1989, Bedrock geologic map of the Willamette Valley, Oregon [abstract].

OREGON – MAPS – GEOPHYSICAL

Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.

OREGON – NESTUCCA BAY

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.

OREGON – NETARTS BAY

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

OREGON – NEWBERRY VOLCANO AREA

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Bisdorf, R. J., 1985, Schlumberger sounding results over the Newberry Volcano area, Oregon.

Catchings, R. D.; Mooney, W. D., 1988, Crustal structure of east central Oregon—Relation between Newberry Volcano and regional crustal structure.

Cotton, J. A.; Catchings, R. D., 1989, Data report for the 1983 U.S. Geological Survey east-central Oregon seismic refraction experiment.

Dawson, P. B.; Stauber, D. A., 1986, Data report for a three-dimensional high-resolution P-velocity structural investigation of Newberry Volcano, Oregon, using seismic tomography.

Fitterman, D. V.; Neev, D. K., 1985, Transient sounding investigation of Newberry Volcano, Oregon.

Fitterman, D. V.; Stanley, W. D.; Bisdorf, R. J., 1988, Electrical structure of Newberry Volcano, Oregon.

Gettings, M. E.; Griscom, Andrew, 1988, Gravity model studies of Newberry Volcano, Oregon.

Gutmanis, J. C., 1989, Wrench faults, pull-apart basins, and volcanism in central Oregon—A new tectonic model based on image interpretation.

Iyer, H. M., 1985, Imaging of velocity anomalies in the crust and upper mantle in diverse volcanic environments using teleseismic waves.

Iyer, H. M.; Stauber, D. A., 1985, High-resolution imaging of three-dimensional anomalies using explosion-generated seismic waves [abstract].

Stauber, D. A., 1984, Oregon seismic experiment.

Stauber, D. A.; Green, S. M.; Iyer, H. M., 1988, Three-dimensional P velocity structure of the crust below Newberry Volcano, Oregon.

Stauber, D. A.; Iyer, H. M.; Mooney, W. D.; Dawson, P. B., 1985, Three-dimensional P-velocity structure of the summit caldera of Newberry Volcano, Oregon.

Urquhart, S. A.; Waff, H. S.; Rygh, J. T.; Clingman, W. W.; Livelybrooks, D. W., 1986, A magnetotelluric investigation of the Newberry Volcano, Oregon [abstract].

OREGON – OFFSHORE AREAS

Bibee, L. D., 1986, Ocean bottom seismometer measurements on the Gorda Ridge.

Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Long-range side-scan-sonar studies of the northern California and southern Oregon EEZ [abstract].

Cacchione, D. A.; Drake, D. E.; Clarke, S. H., Jr.; Masson, D. G., 1984, Physiography of the sea-floor off northern California and southern Oregon [abstract].

Carson, Bobb; Suess, Erwin; Strasser, J. C., 1990, Fluid flow and mass flux determinations at vent sites on the Cascadia margin accretionary prism.

Clarke, S. H., Jr.; McClellan, P. H., 1989, Multichannel seismic-reflection profiles collected in May 1981, between latitudes 40° 40′ and 45° 00′ North, offshore of northern California and southern Oregon.

Cochrane, G. R.; Lewis, B. T. R., 1988, Deep-tow seismic reflection records from the Oregon lower slope [abstract].

Cochrane, G. R.; Moore, J. C.; MacKay, M. E.; Moore, G. F., 1990, Fluid flow in the Oregon accretionary prism from seismic data and vents [abstract].

Couch, R. W.; Pietrafesa, L. J., 1968, Earthquakes off the Oregon coast, January 1968 to September 1968.

Drummond, K. J., chairman; and others, 1982, rev. 1984, Plate-tectonic map of the circum-Pacific region, Pacific Basin sheet.

Embley, R. W.; Chadwick, W. W., Jr.; Fox, C. G., 1990, New evidence for volcanic eruptions on the southern Juan de Fuca Ridge during the 1980's—Implications for megaplumes and seafloor monitoring [abstract].

Embley, R. W.; Kulm, L. D.; Massoth, G. J.; Abbott, D. H.; Holmes, M. L., 1987, Morphology, structure and resource potential of the Blanco transform fault zone.

Filloux, J. H.; Law, L. K.; Yukutake, T.; Segawa, J.; Hamano, Y.; Utada, H.; White, A.; Chave, A. D.; Tarits, Pascal; Green, A. W., Jr., 1989, OFFSHORE EMSLAB—Objectives, experimental phase and early results.

Goldfinger, Chris; Appelgate, T. B., Jr.; Kulm, L. D.; Yeats, R. S., 1989, Side-scan sonar imaging of probable active faults on the Juan de Fuca plate adjacent to the central Oregon continental margin [abstract].

Goldfinger, Chris; MacKay, M. E.; Kulm, L. D.; Yeats, R. S., 1990, Neotectonics and possible segmentation of the Juan de Fuca plate and Cascadia subduction zone off central Oregon [abstract].

Henry, P.; Wang, C.-Y., 1990, Modeling of fluid flow and pore pressure at the toe of the Oregon and Barbados accretionary wedges [abstract].

Horath, F. L.; Moore, J. C., 1989, Permeability evolution in the Cascadia accretionary terrane; Examples from the submarine prism and uplifted shear zones [abstract].

Keach, R. W., II; Potter, C. J., 1989, Eocene to present active margin tectonics, western Oregon, as revealed by deep reflection profiles [abstract].

Kulm, L. D.; Prince, R. A.; Snavely, P. D., Jr., 1973, Site survey of the northern Oregon continental margin and Astoria Fan.

Kulm, L. D.; Suess, Erwin, 1987, Fluid venting structures on the Oregon continental shelf [abstract].

Kulm, L. D.; Suess, Erwin, 1989, Interrelationships of authigenic carbonate deposits, vent fluids and geologic structures—Oregon accretionary prism [abstract].

Kulm, L. D.; Suess, Erwin, 1990, Relationship between carbonate deposits and fluid venting—Oregon accretionary prism.

Kulm, L. D.; Suess, Erwin; Snavely, P. D., Jr., 1988, Fluid venting structures on the northern Oregon continental shelf.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, L. F.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 174.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, L. F.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 175.

Kulm, L. D.; Von Huene, Roland; Duncan, J. R.; Ingle, J. C.; Kling, S. A.; Musich, F. L.; Piper, D. J. W.; Pratt, R. M.; Schrader, H.-J.; Weser, O.; Wise, S. W., 1973, Site 176.

Lewis, B. T. R.; Cochrane, G. R., 1990, Relationship between the location of chemosynthetic benthic communities and geologic structure on the Cascadia subduction zone.

Lister, C. R. B.; deCharon, A. V.; Chiao, L., 1987, Profile delineates tilted sedimentary blocks on both sides of Cascadia spreading center in the Blanco transform [abstract].

Moore, J. C.; Cochrane, G. R.; MacKay, M. E.; Moore, G. F.; Brown, Kevin, 1991, Dilational stain waves along thrust faults of the modern Oregon accretionary prism [abstract].

Orange, D. L.; Breen, N. A.; Dahlen, F. A., 1989, Seepage force, submarine canyons, and the inter-relationship of hydrology, geomorphology, and accretionary tectonics [abstract].

Oregon Geology, 1991, Significant Oregon earthquakes in 1991.

Reid, M. R.; Sample, J. C., 1991, Seawater and continental sources for syn-tectonic diagenetic carbonate in the Cascadia accretionary wedge, Oregon—Sr and Nd isotope evidence [abstract].

Rinehart, V. J., 1964, Investigation of twelve earthquakes off the Oregon and northern California coasts.

Sample, J. C.; Reid, M. R.; Moore, J. C., 1991, Isotopic evidence from syn-tectonic diagenetic carbonate for deeply-derived fluids in the Cascadia accretionary wedge, Oregon [abstract].

Shi, Yaolin; Wang, C.-Y.; Hwang, W.-T.; Von Huene, Roland, 1989, Hydrogeological modeling of porous flow in the Oregon accretionary prism.

Snavely, P. D., Jr., 1984, Sixty million years of growth along the Oregon continental margin.

Snavely, P. D., Jr.; Wagner, H. C.; Lander, D. L., 1984, Land-sea geologic cross section of the southern Oregon continental margin [abstract].

Stoddard, P. R.; Woods, M. T., 1989, Master event relocations of Gorda plate earthquakes [abstract].

Strasser, J. C.; Carson, Bobb; Lewis, B. T. R., 1989, Velocity-derived porosity distribution of the lower Oregon margin accretionary prism—Implications for dewatering [abstract].

Suess, Erwin; Kulm, L. D.; Carson, Bobb; Whiticar, M. J., 1987, Fluid flow and methane fluxes from vent sites at the Oregon subduction zone [abstract].

Tobin, J. H.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Moore, G. F.; Orange, D. L., 1991, ALVIN observations at the central Oregon accretionary prism—Evidence for fault control of fluid seepage [abstract].

Tobin, H. J.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Orange, D. L.; Moore, G. F.; Kulm, L. D., 1991, Generation of fracture permeability along a vertical fault at the Oregon accretionary margin and implications for wedge thrust vergence [abstract].

Trehu, A. M.; Holt, T.; Shi, J.; Nakamura, Y.; Brocher, T.; Moses, M., 1990, Preliminary results from the 1989 Oregon onshore-offshore seismic imaging experiment [abstract].*

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Trivett, D. A.; Williams, A. J., III, 1990, Velocity and temperature profiles of diffuse hydrothermal flow at the southern Juan de Fuca Ridge [abstract].

Vincent, Paul; Richards, M. A.; Weldon, R. J., II, 1990, Vertical deformation of the Oregon Cascadia margin [abstract].*

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Chave, A. D., 1989, Uncovering deep structure, fluid movement and melting in the Cascadia subduction system from geomagnetic induction measurements [abstract].

Webb, S. C.; Hildebrand, J. A.; Fox, C. G.; Crawford, W. C.; Hammer, P. T. C.; Herzfeld, U. C.; McDonald, M. A.; Stevenson, J. M., 1990, Geophysical studies at the megaplume site on the southern Juan de Fuca Ridge [abstract].

Woodcock, S. F.; Couch, R. W., 1975, The Tillamook earthquakes of 16 June 1973 [abstract].

OREGON – PACIFIC COAST

Alemi, M. A., 1978, A gravity survey of Coos Bay, Oregon.

Baptista, A. M.; Jarrell, W. M.; Barros, A. P.; Turner, P. J., 1990, Integrated analysis of pathways of water, sediments, and contaminants in coastal watersheds—The case of Coos Bay [abstract].

Bodvarsson, G. M., 1975, Ocean wave-generated microseisms at the Oregon coast.

Byerly, Perry, 1940, Seismicity of the northern Pacific Coast of the United States.

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1991, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.*

Darienzo, M. E.; Peterson, C. D.; Clough, C. M., 1991, Stratigraphic evidence for synchroneity of coseismic burial events between bays along the northern Oregon coast [abstract].

Eberhardt, Ellen, 1988, Dynamics of intermediate-size stream outlets, northern Oregon coast.

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C., 1989, More evidence from tidal-marsh stratigraphy for multiple late Holocene subduction earthquakes along the northern Oregon coast [abstract].

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Grant, W. C.; McLaren, D. D., 1987, Evidence for Holocene subduction earthquakes along the northern Oregon coast [abstract].

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Kelsey, H. M., 1990, Late Quaternary deformation of marine terraces on the Cascadia subduction zone near Cape Blanco, Oregon.

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M., 1990, Late Quaternary tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Montgomery, D. R.; Dietrich, W. E., 1988, Where do channels begin?.

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Murphy, T. M.; Niem, A. R., 1982, Tectonic and paleoenvironmental significance and magnetic-geochemical stratigraphy of the Columbia River basalt at the middle Miocene shoreline, northwestern Oregon Coast Range [abstract].

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.*

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

North, W. B., 1964, Coastal landslides in northern Oregon.

Pattullo, J. G.; Burt, W. V.; Burdwell, G. B., 1968, Tsunami on the Oregon coast from an earthquake near Japan.

Peterson, C. D., 1989, Megathrust and upper-plate paleoseismicity of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin.*

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E., 1989, Episodic, abrupt tectonic subsidence recorded in late Holocene deposits of the South Slough syncline—An on-land expression of shelf fold belt deformation from the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Rhea, Susan, 1988, Fluvial morphology of the Oregon coast.

Sayre, W. O.; Komar, P. D., 1988, The Jump-Off Joe landslide at Newport, Oregon—History of erosion, development and destruction.

Sokolowski, T. J.; Fuller, G. W.; Blackford, M. E.; Jorgensen, W. J., 1983, The Alaska Tsunami Warning Center's automatic earthquake processing system.

Thorsen, G. W., 1988, Overview of earthquake-induced water waves in Washington and Oregon.

Tobin, J. H.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Moore, G. F.; Orange, D. L., 1991, ALVIN observations at the central Oregon accretionary prism—Evidence for fault control of fluid seepage [abstract].

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Turner, P. J.; Baptista, A. M., 1990, Visualization tools for environmental studies in estuaries [abstract].

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

Woodward, John; White, James; Cummings, Ronald, 1990, Paleoseismicity and the archaeological record—Areas of investigation on the northern Oregon coast.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

OREGON – PORTLAND AREA

Algermissen, S. T., 1990, Regional and national seismic hazard and risk assessment.

Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.

Beeson, P. T.; Johnson, A. G., 1990, Gravity of the greater Portland area [abstract].

Cohee, B. P.; Somerville, P. G.; Sen, M. K., 1989, Strong ground motions in the Seattle–Portland region from hypothesized M_w=8 subduction earthquake [abstract].

Cornforth, D. H., 1990, Earthquake-induced landslides.

Davis, S. A., 1988, An analysis of the eastern margin of the Portland basin using gravity surveys.

Elliott, W. M., 1988, The need to mitigate earthquake hazards to lifelines.

Elliott, W. M., 1990, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Hammond, P. E.; Benson, G. T.; Cash, D. J.; Palmer, L. A.; Donovan, Jan; Gannon, Brian, 1974, A preliminary geological investigation of the ground effects of earthquakes in the Portland metropolitan area, Oregon.

Hays, W. W., 1989, Preface.

Hays, W. W., editor; Huey, Linda, compiler, 1989, Proceedings of Conference XLVIII, 3rd annual workshop on "Earthquake hazards in the Puget Sound, Portland area".

Johnson, A. G.; Beeson, P. T., 1989, Analysis of gravity data for the greater Portland area.*

Johnson, A. G.; Davis, S. A.; Perttu, J. C.; Titus, W. S., 1988, Analysis of gravity data in the Portland area [abstract].

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Madin, I. P., 1989, Evaluating earthquake hazards in the Portland, Oregon, metropolitan area—Mapping potentially hazardous soils.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon—Text and map explanation.*

Madin, I. P.; Pezzopane, Silvio, 1990, Quaternary deformation in the Portland metro area [abstract].

May, P. J., 1989, Earthquake risk reduction policies and practices within the Puget Sound/Portland areas.

May, P. J., 1990, Earthquake risk reduction prospects—Puget Sound–Portland assessment.

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Anticipating earthquakes—Risk reduction policies and practices in the Puget Sound and Portland areas.*

May, P. J.; Fox, Edward; Hasan, N. S., 1989, Earthquake risk reduction profiles—Local policies and practices in the Puget Sound and Portland areas.

Nazy, D. J., 1987, A seismic refraction study of a portion of the northeastern margin of the Tualatin Valley, Oregon.

Noson, L. L., 1988, Objectives of the workshop.

Oregon Geology, 1991, Significant Oregon earthquakes in 1991.

Palmer, L. A.; Redfern, Roger, 1973, Environmental geology for planning of the Marquam Hill area, Portland, Oregon.

Perbix, T. W., 1988, Evaluation of earthquake hazard and risk in the Puget Sound and Portland areas.

Somerville, P. G., 1989, Strong ground motion attenuation in the Puget Sound–Portland region.

Somerville, P. G.; Cohee, B. P., 1989, Simulation and empirical studies of ground motion attenuation in the Seattle–Portland region.*

Somerville, P. G.; Cohee, B. P.; Sen, M. K., 1989, Estimates of strong ground motions in the Seattle–Portland region from hypothesized magnitude 8 Cascadia subduction earthquakes.

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

Titus, W. S.; Beeson, M. H., 1988, Structural development of the Portland Basin inferred from geochemical and paleomagnetic trends in the Boring volcanics [abstract].

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao, 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Wang, L. R. L.; Wang, J. C. C.; Ishibashi, Isao; Ballantyne, D. B.; Elliott, W. M., 1989, Development of inventory and seismic loss estimation model for Portland, Oregon water and sewer systems.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Preliminary assessment of potential strong earthquake ground shaking in the Portland, Oregon, metropolitan area.

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Site-specific earthquake strong ground motion studies in the Puget Sound and Portland, Oregon metropolitan areas.

Yelin, T. S.; Patton, H. J., 1991, Seismotectonics of the Portland, Oregon, region.*

Youd, T. L.; Madin, I. P., 1991, Liquefaction hazard mapping for the Portland, Oregon region.

OREGON – RIVER MORPHOLOGY

Benda, L. E.; Dunne, Thomas, 1988, Variation of channel morphology controlled by the frequency and magnitude of mass wasting [abstract].

Eberhardt, Ellen, 1988, Dynamics of intermediate-size stream outlets, northern Oregon coast.

Montgomery, D. R.; Dietrich, W. E., 1988, Where do channels begin?.

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

Rhea, Susan, 1988, Differential Quaternary uplift of the western Oregon Coast Range indicated by river gradient and river valley shape.

Oregon – Soil mechanics, *see* **OREGON – ENGINEERING GEOLOGY**

OREGON – SOILS, SEDIMENTS AND STRATIGRAPHY

Baptista, A. M.; Jarrell, W. M.; Barros, A. P.; Turner, P. J., 1990, Integrated analysis of pathways of water, sediments, and contaminants in coastal watersheds—The case of Coos Bay [abstract].

Barber, J. H., Jr.; Nelson, C. H., 1987, Seismic stratigraphy of post-collapse sediments in Crater Lake caldera [abstract].

Benda, L. E.; Cundy, T. W., 1990, Predicting deposition of debris flows in mountain channels.

Benda, L. E.; Dunne, Thomas, 1988, Variation of channel morphology controlled by the frequency and magnitude of mass wasting [abstract].

Couch, R. W.; Foote, R. W., 1985, The Shukash and Lapine basins—Pleistocene depressions in the Cascade Range of central Oregon [abstract].

Hanna, R. L.; Verosub, K. L., 1989, A review of lacustrine paleomagnetic records from western North America—0-40,000 years BP.

Herrero-Bervera, Emilio; Helsley, C. E.; Hammond, S. R.; Chitwood, L. A., 1989, A possible lacustrine paleomagnetic record of the Blake episode from Pringle Falls, Oregon, U.S.A..

Negrini, R. M.; Darke, Rick; Hoare, Brian, 1987, Climate-induced variations in the geomagnetic field—Possible supporting evidence from a Pleistocene paleomagnetic record [abstract].

Negrini, R. M.; Verosub, K. L.; Davis, J. O., 1986, 400,000 years of geomagnetic field behavior as recorded in fine-grained sediments from Summer Lake, Lake County, Oregon [abstract].

Nelson, A. R.; Personius, S. F., 1988, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Nelson, C. H.; Larsen, M. C.; Thor, D. R.; Wright, A. A., 1980, Sedimentary history of the floor of Crater Lake, Oregon—A restricted basin with non-channelized turbidites [abstract].

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin.*

Ryberg, P. T., 1984, Structural influence on early Tertiary sedimentary basin geometry, southwestern Oregon [abstract].

Smith, G. A., 1985, Basin analysis of the Deschutes Formation—An example of the role of sedimentology in the study of Cascade arc evolution [abstract].

Smith, G. A.; Snee, L. W., 1984, Revised stratigraphy of the Deschutes basin, Oregon—Implications for the Neogene development of the central Oregon Cascades [abstract].

Smith, G. A.; Vincent, K. R.; Snee, L. W., 1989, An isostatic model for basin formation in and adjacent to the central Oregon High Cascade Range.

Swanson, F. J.; Benda, L. E.; Duncan, S. H.; Grant, G. E.; Megahan, W. F.; Reid, L. M.; Ziemer, R. R., 1987, Mass failures and other processes of sediment production in Pacific Northwest forest landscapes.

Verosub, K. L.; Mehringer, P. J., Jr., 1987, Holocene geomagnetic intensity variations in western North America—The record from Fish Lake, Oregon [abstract].

OREGON – STRUCTURAL GEOLOGY AND TECTONICS [GENERAL WORKS]

see also **OREGON – VOLCANISM RELATED TO STRUCTURAL GEOLOGY AND SUBDUCTION**

Avé Lallemant, H. G.; Oldow, J. S., 1988, Early Mesozoic southward migration of Cordilleran transpressional terranes.

Babcock, R. S.; Engebretson, D. C., 1991, Kula–Farallon–North America plate interactions and basalt extrusion in the Oregon–Washington Coast Range [abstract].

Blake, M. C., Jr.; Jayko, A. S., 1986, Tectonic evolution of northwest California and southwest Oregon.

Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.

Coleman, R. G.; Manning, C. E.; Mortimer, N.; Donato, M. M.; Hill, L. B., 1988, Tectonic and regional metamorphic framework of the Klamath Mountains and adjacent Coast Ranges, California and Oregon.

Couch, R. W., 1987, The structure of western Oregon [abstract].

Crum, S. V., 1987, The mechanics of subduction zone topography—A study of age effect in the Pacific Northwest.

Drummond, K. J., chairman; and others, 1982, rev. 1984, Plate-tectonic map of the circum-Pacific region, Pacific Basin sheet.

Hearn, Thomas; Beghoul, Noureddine; Barazangi, Muawia, 1991, Tomography of the western United States from regional arrival times.

Heller, P. L., 1984, Tectonic rotation and basin development during mid-Tertiary extension in the Pacific Northwest [abstract].

Hill, B. E., 1988, The Bull Springs inlier and its significance to Oregon central High Cascade tectonics [abstract].

Leaver, D. S., 1984, Mixed stochastic and deterministic modeling of the crustal structure in the vicinity of Mt. Hood, Ore. [abstract].

MacKay, M. E.; Moore, G. F.; Cochrane, G. R.; Moore, J. C.; Kulm, L. D., 1990, Landward vergence, oblique structural trends, and tectonic segmentation in the Oregon margin accretionary prism [abstract].

Mooney, W. D.; Weaver, C. S., 1989, Regional crustal structure and tectonics of the Pacific coastal states; California, Oregon, and Washington.

Ryberg, P. T., 1989, Paleocene to early Eocene depositional systems along a tectonically active continental margin, southwestern Oregon [abstract].

Sherrod, D. R.; Pickthorn, L. B. G., 1989, Some notes on the Neogene structural evolution of the Cascade Range in Oregon.

Smith, G. A.; Vincent, K. R.; Snee, L. W., 1989, An isostatic model for basin formation in and adjacent to the central Oregon High Cascade Range.

Souza, M. E., 1927, Physiography and structure of the Oregon Coast Range province.

Titus, W. S.; Beeson, M. H., 1988, Structural development of the Portland Basin inferred from geochemical and paleomagnetic trends in the Boring volcanics [abstract].

Weaver, C. S., 1990, Geothermal seismotectonic studies.*

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

OREGON – STRUCTURAL GEOLOGY AND TECTONICS – FAULTS AND LINEAMENTS

Nazy, D. J., 1987, A seismic refraction study of a portion of the northeastern margin of the Tualatin Valley, Oregon.

Riddihough, R. P., 1985, The Roseburg–Pendleton (ROPE) lineament, Oregon [abstract].

Ryberg, P. T., 1984, Structural influence on early Tertiary sedimentary basin geometry, southwestern Oregon [abstract].

Tobin, J. H.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Moore, G. F.; Orange, D. L., 1991, ALVIN observations at the central Oregon accretionary prism—Evidence for fault control of fluid seepage [abstract].

Werner, K. S.; Nabelek, J. L.; Yeats, R. S.; Malone, S. D., 1990, The Mt. Angel fault—Implications of August, 1990, Woodburn, Oregon earthquake sequence [abstract].

Yeats, R. S., 1990, A search for active faults in the Willamette Valley, Oregon.*

Yelin, T. S.; Patton, H. J., 1991, Seismotectonics of the Portland, Oregon, region.*

OREGON – STRUCTURAL GEOLOGY AND TECTONICS – GEOPHYSICS

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Bruemmer, J. L., 1964, Gravity models for peridotite injection and local metamorphism along north-northeast-trending zones of tectonism, southwest Oregon.

Catchings, R. D.; Mooney, W. D., 1988, Crustal structure of east central Oregon—Relation between Newberry Volcano and regional crustal structure.

Cotton, J. A.; Catchings, R. D., 1989, Data report for the 1983 U.S. Geological Survey east-central Oregon seismic refraction experiment.

Dawson, P. B.; Stauber, D. A., 1986, Data report for a three-dimensional high-resolution P-velocity structural investigation of Newberry Volcano, Oregon, using seismic tomography.

Gough, D. I.; McKirdy, D. M.; Woods, D. V.; Geiger, H. D., 1989, Conductive structures and tectonics beneath the EMSLAB land array.

Humphreys, E. D.; Dueker, K. G.; Biasi, G. P., 1990, Upper mantle P-wave velocity structure of the western U.S. [abstract].

Iyer, H. M., 1985, Imaging of velocity anomalies in the crust and upper mantle in diverse volcanic environments using teleseismic waves.

Keach, R. W., II, 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Oliver, J. E.; Brown, L. D.; Kaufman, Sidney, 1989, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Potter, C. J., 1989, Eocene to present active margin tectonics, western Oregon, as revealed by deep reflection profiles [abstract].

Keach, R. W., II; Potter, C. J.; Oliver, J. E.; Brown, L. D., 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon [abstract].

Kohler, W. M.; Healy, J. H.; Wegener, S. S., 1982, Upper crustal structure of the Mount Hood, Oregon region as revealed by time term analysis.*

Langston, C. A., 1977, Corvallis, Oregon, crustal and upper mantle receive structure from teleseismic P and S waves.

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1983, Seismic studies between Crater Lake and Mount Hood [abstract].

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1984, A seismic refraction study of the Oregon Cascades.

Neumann, G. A.; Hermance, J. F., 1989, The deep crustal structure of the Oregon Cascades—Electromagnetic constraints [abstract].

Potter, C. J., 1989, The deep structure of North American accreted terranes from deep seismic reflection data.

Rasmussen, J. R.; Humphreys, E. D., 1990, Tomographic image of the upper mantle P-wave velocity structure beneath Washington and western Oregon [abstract].

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Stauber, D. A.; Green, S. M.; Iyer, H. M., 1988, Three-dimensional P velocity structure of the crust below Newberry Volcano, Oregon.

Stauber, D. A.; Iyer, H. M.; Mooney, W. D.; Dawson, P. B., 1985, Three-dimensional P-velocity structure of the summit caldera of Newberry Volcano, Oregon.

Vincent, Paul, 1989, Geodetic deformation of the southern Cascadia margin.

Waff, H. S.; Rygh, J. T.; Livelybrooks, D. W.; Clingman, W. W., 1988, Results of a magnetotelluric traverse across western Oregon—Crustal resistivity structure and the subduction of the Juan de Fuca plate.

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Chave, A. D., 1989, Uncovering deep structure, fluid movement and melting in the Cascadia subduction system from geomagnetic induction measurements [abstract].

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.

Werner, K. S.; Graven, E. P.; Berkman, T. A.; Parker, M. J., 1988, Direction of maximum horizontal compression in northwestern Oregon as determined by borehole breakouts [abstract].

OREGON – SUBDUCTION

Bacon, C. R., 1983, Eruptive history of Mount Mazama and Crater Lake caldera, Cascade Range, U.S.A.

Bacon, C. R.; Lanphere, M. A.; O'Neil, J. R., 1989, Strontium and oxygen isotopes in volcanic rocks near Crater Lake, Oregon, and their bearing on arc magmatism.

Hughes, S. S., 1989, Mafic magmatism and associated tectonism of the central High Cascades Range, Oregon.

Keach, R. W., II, 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Potter, C. J.; Oliver, J. E.; Brown, L. D., 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon [abstract].

Morris, I., 1989, Geomorphology and evolution of the Quaternary stratovolcanoes in the High Cascades and Japan [abstract].

Muffler, L. J. P.; and others, 1989, South Cascades arc volcanism, California and southern Oregon—Red Bluff to Redding, California, July 20-26, 1989.

Priest, G. R., 1989, Model for volcanic arc migration and uplift in the Cascades [abstract].

Priest, G. R., 1990, Volcanic and tectonic evolution of the Cascade volcanic arc—Central Oregon.*

Taylor, E. M., 1989, Volcanic history and tectonic development of the central High Cascade Range, Oregon.

Verplanck, E. P.; Duncan, R. A., 1985, Temporal geochemical variations in the Western Cascades and the effect of slowing convergence rate [abstract].

Weaver, C. S., 1991, Geothermal seismotectonic studies.

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

OREGON – SUBSIDENCE AND UPLIFT

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1991, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.*

Darienzo, M. E.; Peterson, C. D.; Clough, C. M., 1991, Stratigraphic evidence for synchroneity of coseismic burial events between bays along the northern Oregon coast [abstract].

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C., 1989, More evidence from tidal-marsh stratigraphy for multiple late Holocene subduction earthquakes along the northern Oregon coast [abstract].

Kelsey, H. M., 1990, Late Quaternary deformation of marine terraces on the Cascadia subduction zone near Cape Blanco, Oregon.

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M., 1990, Late Quaternary tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Murphy, T. M.; Niem, A. R., 1982, Tectonic and paleoenvironmental significance and magnetic-geochemical stratigraphy of the Columbia River basalt at the middle Miocene shoreline, northwestern Oregon Coast Range [abstract].

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.*

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Peterson, C. D., 1989, Megathrust and upper-plate paleoseismicity of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E., 1989, Episodic, abrupt tectonic subsidence recorded in late Holocene deposits of the South Slough syncline—An on-land expression of shelf fold belt deformation from the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Priest, G. R., 1989, Model for volcanic arc migration and uplift in the Cascades [abstract].

Rhea, Susan, 1988, Differential Quaternary uplift of the western Oregon Coast Range indicated by river gradient and river valley shape.

Rhea, Susan, 1988, Fluvial morphology of the Oregon coast.

Smith, G. A.; Vincent, K. R.; Snee, L. W., 1989, An isostatic model for basin formation in and adjacent to the central Oregon High Cascade Range.

Woodward, John; White, James; Cummings, Ronald, 1990, Paleoseismicity and the archaeological record—Areas of investigation on the northern Oregon coast.

OREGON – TSUNAMIS

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Pattullo, J. G.; Burt, W. V.; Burdwell, G. B., 1968, Tsunami on the Oregon coast from an earthquake near Japan.

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Sokolowski, T. J.; Fuller, G. W.; Blackford, M. E.; Jorgensen, W. J., 1983, The Alaska Tsunami Warning Center's automatic earthquake processing system.

Thorsen, G. W., 1988, Overview of earthquake-induced water waves in Washington and Oregon.

OREGON – VOLCANISM

see also OREGON – NEWBERRY VOLCANO AREAS

Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.

Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Carlson, R. W.; Hart, W. K., 1990, Westward migration of calc-alkaline basaltic volcanism and the nature of the Cascade–Basin and Range boundary [abstract].

Sherrod, D. R., 1987, New compilation map of the Cascade Range in Oregon.

Wood, C. A.; Kienle, Juergen, compilers and editors, 1990, Volcanoes of North America—United States and Canada.

OREGON – VOLCANISM RELATED TO STRUCTURAL GEOLOGY AND SUBDUCTION

Babcock, R. S.; Engebretson, D. C., 1991, Kula–Farallon–North America plate interactions and basalt extrusion in the Oregon–Washington Coast Range [abstract].

Bacon, C. R., 1983, Eruptive history of Mount Mazama and Crater Lake caldera, Cascade Range, U.S.A.

Bacon, C. R.; Lanphere, M. A.; O'Neil, J. R., 1989, Strontium and oxygen isotopes in volcanic rocks near Crater Lake, Oregon, and their bearing on arc magmatism.

Cohee, B. P.; Somerville, P. G.; Abrahamson, N. A., 1990, Ground motions from hypothesized M_w=8 subduction earthquakes in the Pacific Northwest [abstract].

Crosson, R. S., 1990, Regional seismicity and tectonics [abstract].

Ferrick, M. G.; Qamar, A. I.; St. Lawrence, W. F., 1982, Source mechanism of volcanic tremor.

Gutmanis, J. C., 1989, Wrench faults, pull-apart basins, and volcanism in central Oregon—A new tectonic model based on image interpretation.

Hughes, S. S., 1984, Structural and petrochemical indicators for an extensional tectonic regime imposed on central High Cascade volcanism [abstract].

Hughes, S. S., 1990, Mafic magmatism and associated tectonism of the central High Cascade Range, Oregon.*

Muffler, L. J. P.; and others, 1989, South Cascades arc volcanism, California and southern Oregon—Red Bluff to Redding, California, July 20-26, 1989.

Priest, G. R., 1989, Model for volcanic arc migration and uplift in the Cascades [abstract].

Priest, G. R., 1990, Volcanic and tectonic evolution of the Cascade volcanic arc—Central Oregon.*

Taylor, E. M., 1990, Volcanic history and tectonic development of the central High Cascade Range, Oregon.*

Verplanck, E. P.; Duncan, R. A., 1985, Temporal geochemical variations in the Western Cascades and the effect of slowing convergence rate [abstract].

Weaver, C. S., 1991, Geothermal seismotectonic studies.

Westhusing, J. K., 1974, Reconnaissance surveys of near-event seismic activity in the volcanoes of the Cascade Range, Oregon.

OROGENY

Bittenbender, P. E., 1991, Mid-Cretaceous orogenesis in the Huckleberry Mountain area, North Cascades, Washington.

Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].

Duncan, R. A.; Kulm, L. D., 1989, Plate tectonic evolution of the Cascades arc–subduction complex.

McGroder, M. F., 1989, Elements of the Cascades 'collisional' orogen—Introduction to a transect from the Methow Basin to the San Juan Islands, Washington.

McGroder, M. F., 1991, Reconciliation of two-sided thrusting, burial metamorphism, and diachronous uplift in the Cascades of Washington and British Columbia.

Monger, J. W. H.; Price, R. A., 1979, Geodynamic evolution of the Canadian Cordillera—Progress and problems.

Walker, N. W.; Brown, E. H., 1991, Is the southeast Coast Plutonic Complex the consequence of accretion of the Insular superterrane? Evidence from U-Pb zircon geochronometry in the northern Washington Cascades.

PACIFIC COAST

Note: Virtually all of the entries in this section pertain to the Earthquakes, Seismology, and(or) Paleoseismology of the Pacific Coast region, and the subduction at the Cascadia subduction zone.

PACIFIC COAST – BRITISH COLUMBIA

Clague, J. J., 1989, Sea levels on Canada's Pacific coast—Past and future trends.*

Foster, H. D., 1976, Coastal erosion—A natural hazard of the Saanich Peninsula, Vancouver Island.

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Hutchinson, Ian, 1990, Intertidal marshes of the Fraser River delta—The geological theatre and the ecological play [abstract].

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.

Syvitski, J. P. M.; Smith, J. N.; Calabrese, E. A.; Boudreau, B. P., 1988, Basin sedimentation and the growth of prograding deltas.

Wigen, S. O.; Stephenson, F. E., 1980, Mean sea level on the Canadian west coast.

PACIFIC COAST – CALIFORNIA

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Benz, H. M.; Zandt, G., 1991, Lithospheric structure and seismicity of northern California—Evolution of the crustal margin with passage of the Mendocino triple junction [abstract].*

Benz, H. M.; Zandt, G.; Oppenheimer, D., 1990, Seismic imaging of the subduction plate and the slabless window beneath northern California [abstract].

Berger, G. W.; Burke, R. M.; Carver, G. A.; Easterbrook, D. J., 1988, Thermoluminescence analyses and paleomagnetic signatures—Techniques for establishing numerical age estimates on tectonically deformed marine terraces, northern California [abstract].

Berger, G. W.; Easterbrook, D. J., 1988, Dating marine terrace deformation north of the Mendocino triple junction.*

Blake, M. C., Jr.; Jones, D. L.; Wentworth, C. M., 1984, Continent-ocean transects C-1 and C-2—Accretionary history of the California coast ranges [abstract].

Breen, N. A.; Lisowski, Michael; Prescott, W. H., 1987, Spatially varying pattern of crustal strain near the Mendocino triple junction, California [abstract].

Burke, R. M.; Carver, G. A., 1989, The degree of soil development from buried soils formed in fault-generated colluviums reflect interseismic time, northern California [abstract].

Carver, G. A., 1988, Seismic potential of the Gorda segment of the Cascadia subduction zone [abstract].

Carver, G. A., 1989, Paleoseismicity of the southern part of the Cascadia subduction zone [abstract].

Carver, G. A., 1991, Active subduction tectonics north of the Mendocino triple junction, northwestern California [abstract].*

Carver, G. A.; Burke, R. M., 1986, Investigations of late Pleistocene and Holocene thrust faulting in coastal California north of Cape Mendocino.

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Pleistocene and Holocene paleoseismicity of Little Salmon and Mad River thrust systems, N.W. California—Implications to the seismic potential of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M.; Kelsey, H. M., 1986, Late Quaternary tectonics of coastal California north of the Mendocino triple junction [abstract].

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1991, Tectonics and late Holocene paleoseismicity of the southern Cascadia subduction zone, northwestern California continental margin [abstract].

Dupras, Don, 1987, A thumbnail sketch—California's marine geology.

Field, M. E., 1984, The submarine landslide of 1980 off northern California.

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Helferty, M. G.; Booker, J. R., 1990, A three dimensional study of geoelectric structure in northern California [abstract].

Jacoby, G. C.; Sheppard, P. R.; Carver, G. A., 1989, Dating of earthquake-induced landslides using tree-ring analysis [abstract].

Kelsey, H. M.; Carver, G. A., 1986, Studies of Quaternary faulting through the analysis of small faults and fractures, north coastal California.

Knapp, J. S., Jr., 1989, Seismic activity at the southern end of the Cascadia subduction zone [abstract].

Knapp, J. S., Jr.; McPherson, R.; Smith, S. W., 1988, Seismicity near Cape Mendocino, California, 1974-1984 [abstract].

Lajoie, K. R., 1986, Rapid tectonic uplift near the Mendocino triple junction recorded by emergent marine strandlines [abstract].

McPherson, B. C., 1989, Focal mechanisms and seismicity at the southern end of the Cascadia subduction zone [abstract].

McPherson, B. C., 1989, Seismicity and focal mechanisms near the southern end of the Cascadia subduction zone [abstract].

McSweeney, T. J.; Smith, S. W., 1991, Space-time clustering of seismicity at Cape Mendocino [abstract].

Merritts, Dorothy, 1986, Late Quaternary tectonism in coastal northern California—A geomorphic approach [abstract].

O'Dea, K. M., 1989, Terrace formation and deformation on Yager Creek—Late Pleistocene fluvial and tectonic activity at the southern end of the Cascadia subduction zone [abstract].

Rea, D. K.; Heath, G. R., 1983, Oceanography and geology of Pacific low-level waste disposal study area W-N [abstract].

Rinehart, V. J., 1964, Investigation of twelve earthquakes off the Oregon and northern California coasts.

Shivelle, C. D.; Carver, G. A.; Valentine, D. W., 1991, Foraminiferid stratigraphy as evidence for great earthquakes on the Cascadia subduction zone in northern California [abstract].*

Vick, G. S.; Carver, G. A., 1988, Late Holocene paleoseismicity, northern Humboldt Bay, California [abstract].

Wilson, D. S., 1986, Deformation of the Juan de Fuca plate near the Mendocino triple junction [abstract].

PACIFIC COAST – GEOCHRONOLOGY

Atwater, B. F., 1989, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Berger, G. W.; Burke, R. M.; Carver, G. A.; Easterbrook, D. J., 1988, Thermoluminescence analyses and paleomagnetic signatures—Techniques for establishing numerical age estimates on tectonically deformed marine terraces, northern California [abstract].

Berger, G. W.; Easterbrook, D. J., 1988, Dating marine terrace deformation north of the Mendocino triple junction.*

Burke, R. M.; Carver, G. A., 1989, The degree of soil development from buried soils formed in fault-generated colluviums reflect interseismic time, northern California [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Jacoby, G. C.; Sheppard, P. R.; Carver, G. A., 1989, Dating of earthquake-induced landslides using tree-ring analysis [abstract].

Lajoie, K. R., 1988, Coastal tectonics in the Pacific Northwest.

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

PACIFIC COAST – MARSH STRATIGRAPHY and SUBSIDENCE AND UPLIFT

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].

Atwater, B. F., 1989, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Yamaguchi, D. K., 1990, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State [abstract].

Berger, G. W.; Burke, R. M.; Carver, G. A.; Easterbrook, D. J., 1988, Thermoluminescence analyses and paleomagnetic signatures—Techniques for establishing numerical age estimates on tectonically deformed marine terraces, northern California [abstract].

Berger, G. W.; Easterbrook, D. J., 1988, Dating marine terrace deformation north of the Mendocino triple junction.*

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

Carver, G. A., 1989, Paleoseismicity of the southern part of the Cascadia subduction zone [abstract].

Carver, G. A., 1991, Active subduction tectonics north of the Mendocino triple junction, northwestern California [abstract].*

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1991, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.

Darienzo, M. E.; Peterson, C. D.; Clough, C. M., 1991, Stratigraphic evidence for synchroneity of coseismic burial events between bays along the northern Oregon coast [abstract].*

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Hutchinson, Ian, 1990, Intertidal marshes of the Fraser River delta—The geological theatre and the ecological play [abstract].

Lajoie, K. R., 1986, Rapid tectonic uplift near the Mendocino triple junction recorded by emergent marine strandlines [abstract].

McCrory, P. A., 1991, Active margin tectonics, Pacific Northwest region.

Merritts, Dorothy, 1986, Late Quaternary tectonism in coastal northern California—A geomorphic approach [abstract].

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for great earthquake recurrence along the coast of south-central Oregon [abstract].

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1989, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.

Peterson, C. D.; Darienzo, M. E., 1989, Potential evidence of subduction zone tectonics from stacked peat horizons in late Pleistocene coastal terraces of the northern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Shipman, Hugh, 1989, Vertical land movements in coastal Washington—Implications for relative sea level changes.*

Shivelle, C. D.; Carver, G. A.; Valentine, D. W., 1991, Foraminiferid stratigraphy as evidence for great earthquakes on the Cascadia subduction zone in northern California [abstract].*

Vick, G. S.; Carver, G. A., 1988, Late Holocene paleoseismicity, northern Humboldt Bay, California [abstract].

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

West, D. O., 1989, Coastal terraces and subduction earthquakes.

West, D. O.; McCrumb, D. R.; Kiel, W. A., 1987, Geomorphology, convergent margins and earthquakes.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring evidence for synchronous rapid submergence of the southwestern Washington coast 300 years B.P. [abstract].

PACIFIC COAST – OREGON

Alemi, M. A., 1978, A gravity survey of Coos Bay, Oregon.

Baptista, A. M.; Jarrell, W. M.; Barros, A. P.; Turner, P. J., 1990, Integrated analysis of pathways of water, sediments, and contaminants in coastal watersheds—The case of Coos Bay [abstract].

Bodvarsson, G. M., 1975, Ocean wave-generated microseisms at the Oregon coast.

Byerly, Perry, 1940, Seismicity of the northern Pacific Coast of the United States.

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.*

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1991, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.*

Darienzo, M. E.; Peterson, C. D.; Clough, C. M., 1991, Stratigraphic evidence for synchroneity of coseismic burial events between bays along the northern Oregon coast [abstract].

Eberhardt, Ellen, 1988, Dynamics of intermediate-size stream outlets, northern Oregon coast.

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C., 1989, More evidence from tidal-marsh stratigraphy for multiple late Holocene subduction earthquakes along the northern Oregon coast [abstract].

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Grant, W. C.; McLaren, D. D., 1987, Evidence for Holocene subduction earthquakes along the northern Oregon coast [abstract].

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Kelsey, H. M., 1990, Late Quaternary deformation of marine terraces on the Cascadia subduction zone near Cape Blanco, Oregon.

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M., 1990, Late Quaternary tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Montgomery, D. R.; Dietrich, W. E., 1988, Where do channels begin?.

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Murphy, T. M.; Niem, A. R., 1982, Tectonic and paleoenvironmental significance and magnetic-geochemical stratigraphy of the Columbia River basalt at the middle Miocene shoreline, northwestern Oregon Coast Range [abstract].

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.*

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

North, W. B., 1964, Coastal landslides in northern Oregon.

Pattullo, J. G.; Burt, W. V.; Burdwell, G. B., 1968, Tsunami on the Oregon coast from an earthquake near Japan.

Peterson, C. D., 1989, Megathrust and upper-plate paleoseismicity of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin.*

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E., 1989, Episodic, abrupt tectonic subsidence recorded in late Holocene deposits of the South Slough syncline—An on-land expression of shelf fold belt deformation from the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Rhea, Susan, 1988, Fluvial morphology of the Oregon coast.

Sayre, W. O.; Komar, P. D., 1988, The Jump-Off Joe landslide at Newport, Oregon—History of erosion, development and destruction.

Sokolowski, T. J.; Fuller, G. W.; Blackford, M. E.; Jorgensen, W. J., 1983, The Alaska Tsunami Warning Center's automatic earthquake processing system.

Thorsen, G. W., 1988, Overview of earthquake-induced water waves in Washington and Oregon.

Tobin, J. H.; Moore, J. C.; MacKay, M. E.; Cochrane, G. R.; Moore, G. F.; Orange, D. L., 1991, ALVIN observations at the central Oregon accretionary prism—Evidence for fault control of fluid seepage [abstract].

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Turner, P. J.; Baptista, A. M., 1990, Visualization tools for environmental studies in estuaries [abstract].

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

Woodward, John; White, James; Cummings, Ronald, 1990, Paleoseismicity and the archaeological record—Areas of investigation on the northern Oregon coast.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

PACIFIC COAST – SEA LEVEL

Clague, J. J., 1989, Sea levels on Canada's Pacific coast—Past and future trends.*

Klarin, P. N.; Branch, K. M.; Hershman, M. J.; Grant, T. F., 1990, Sea level rise policy alternatives study—Vol. 1, Alternative policy responses for accelerated sea level rise and their implications.

Klarin, P. N.; Branch, K. M.; Hershman, M. J.; Grant, T. F., 1990, Sea level rise policy alternatives study—Vol. 2, An analytical review of state and federal coastal management systems and policy responses to sea level rise.

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Shipman, Hugh, 1989, Vertical land movements in coastal Washington—Implications for relative sea level changes.*

Wigen, S. O.; Stephenson, F. E., 1980, Mean sea level on the Canadian west coast.

PACIFIC COAST – TERRACES

Berger, G. W.; Burke, R. M.; Carver, G. A.; Easterbrook, D. J., 1988, Thermoluminescence analyses and paleomagnetic signatures—Techniques for establishing numerical age estimates on tectonically deformed marine terraces, northern California [abstract].

Berger, G. W.; Easterbrook, D. J., 1988, Dating marine terrace deformation north of the Mendocino triple junction.*

Carver, G. A.; Burke, R. M.; Kelsey, H. M., 1986, Late Quaternary tectonics of coastal California north of the Mendocino triple junction [abstract].

Kelsey, H. M., 1990, Late Quaternary deformation of marine terraces on the Cascadia subduction zone near Cape Blanco, Oregon.

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M., 1990, Late Quaternary tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Merritts, Dorothy, 1986, Late Quaternary tectonism in coastal northern California—A geomorphic approach [abstract].

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

O'Dea, K. M., 1989, Terrace formation and deformation on Yager Creek—Late Pleistocene fluvial and tectonic activity at the southern end of the Cascadia subduction zone [abstract].

Peterson, C. D.; Darienzo, M. E., 1989, Potential evidence of subduction zone tectonics from stacked peat horizons in late Pleistocene coastal terraces of the northern Cascadia margin [abstract].

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

West, D. O., 1989, Coastal terraces and subduction earthquakes.

Pacific Coast – Tsunamis, *see* **TSUNAMIS**

PACIFIC COAST – WASHINGTON

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].

Atwater, B. F., 1989, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.

Atwater, B. F.; Yamaguchi, D. K., 1990, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State [abstract].

Bourgeois, Joanne; Reinhart, M. A., 1989, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

Bourgeois, Joanne; Reinhart, M. A.; Wiberg, P. L., 1988, Sedimentologic effects of tsunamis—From seismogenic to impact-generated [abstract].

Dengler, Lori; Montgomery, D. R., 1989, Estimating the thickness of colluvial fill in unchanneled valleys from surface topography.

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Galster, R. W., 1989, Geologic aspects of jetties, breakwaters, and boat basins in western Washington.

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Hebenstreit, G. T.; Preuss, Jane, 1988, Loss estimation methodology—Projecting the risk from a tsunami generated by a Juan de Fuca plate earthquake.

Johnson, Lee; Bauer, Wolf, 1987, Beach stabilization design.

Klarin, P. N.; Branch, K. M.; Hershman, M. J.; Grant, T. F., 1990, Sea level rise policy alternatives study—Vol. 1, Alternative policy responses for accelerated sea level rise and their implications.

Klarin, P. N.; Branch, K. M.; Hershman, M. J.; Grant, T. F., 1990, Sea level rise policy alternatives study—Vol. 2, An analytical review of state and federal coastal management systems and policy responses to sea level rise.

Lajoie, K. R., 1988, Coastal tectonics in the Pacific Northwest.
Marcus, K. L., 1989, Coastal and marine engineering geology—Introduction.
McCrory, P. A., 1991, Active margin tectonics, Pacific Northwest region.*
Minor, Rick, 1989, The late Holocene earthquake hypothesis—Implications for southern northwest coast prehistory [abstract].
Muhs, D. R.; Thorson, R. M.; Clague, J. J.; Mathews, W. H.; McDowell, P. F.; Kelsey, H. M., 1987, Pacific Coast and mountain system.
Peterson, C. D.; Darienzo, M. E., 1989, Potential evidence of subduction zone tectonics from stacked peat horizons in late Pleistocene coastal terraces of the northern Cascadia margin [abstract].
Phipps, J. B.; Peterson, C. D., 1989, General submergence of Grays Harbor, Washington during the Holocene [abstract].
Preuss, Jane, 1988, Coastal effects of a great subduction earthquake—Regional land use implications.
Reinhart, M. A.; Bourgeois, Joanne, 1989, Tsunami favored over storm or seiche for sand deposit overlying buried Holocene peat, Willapa Bay, WA [abstract].
Shipman, Hugh, 1989, Vertical land movements in coastal Washington—Implications for relative sea level changes.*
Thorsen, G. W., 1989, Overview of earthquake-induced water waves in Washington and Oregon.
West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.
West, D. O., 1989, Coastal terraces and subduction earthquakes.
West, D. O.; McCrumb, D. R.; Kiel, W. A., 1987, Geomorphology, convergent margins and earthquakes.
Williams, Sara, 1986, Handbook for geophysical survey operators for Washington's offshore and inland marine waters.
Witten, Don, 1984, Tsunami—A wave like no others.
Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.
Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring evidence for synchronous rapid submergence of the southwestern Washington coast 300 years B.P. [abstract].

PACIFIC CO., WASH.

Atwater, B. F., 1988, Evidence for great Holocene earthquakes along the outer coast of Washington State.
Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.
Atwater, B. F., 1990, Geologic studies for seismic zonation of the Puget Sound lowland.
Atwater, B. F., 1991, Holocene paleoseismology, western Washington.
Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].
Atwater, B. F.; Stuiver, Minze; Yamaguchi, D. K., 1991, Radiocarbon test of earthquake magnitude at the Cascadia subduction zone.
Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.
Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.*
Bourgeois, Joanne; Reinhart, M. A., 1988, Potentially damaging waves associated with earthquakes, coastal Washington.
Bourgeois, Joanne; Reinhart, M. A., 1989, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.
Clifton, H. E.; Phillips, R. L., 1974, Coastal sedimentation [abstract].
Duncan, S. H., 1989, Slope stability analysis in timber harvest planning, Smith Creek, Pacific County, Washington.
Hemphill-Haley, Eileen, 1989, Investigation into the use of estuarine microfossil zones for determining amounts of coseismic subsidence in southwestern Washington [abstract].
Reinhart, M. A.; Bourgeois, Joanne, 1989, Tsunami favored over storm or seiche for sand deposit overlying buried Holocene peat, Willapa Bay, WA [abstract].
Wells, R. E., 1989, Geologic map of the Cape Disappointment–Naselle River area, Pacific and Wahkiakum Counties, Washington.
Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

Pacific Ocean, *see* **MARINE GEOLOGY**

PACIFIC PLATE

see also **STRUCTURAL GEOLOGY AND TECTONICS – CASCADIA SUBDUCTION ZONE**

Calvert, A. J.; Hasselgren, E. O.; Clowes, R. M., 1990, Oceanic rift propagation—A cause of crustal underplating and seamount volcanism.
Jurdy, D. M.; Stefanick, Michael, 1986, Errors in plate reconstruction [abstract].
Pollitz, F. F., 1988, Episodic North America and Pacific plate motions.
Stock, Joann; Molnar, Peter, 1986, Quantified uncertainties in the relative positions of the Pacific, Farallon, Kula, and North American plates in the Tertiary [abstract].

PALEOCLIMATOLOGY

Beget, J. E., 1988, Comment on "Age of pre-Neoglacial cirque moraines in the central North American Cordillera," by P. T. Davis and G. Osborn.
Church, Michael; Clague, J. J., 1990, Constraints on climate during the last glaciation from the rate of Cordilleran ice sheet growth and decay [abstract].
Davis, P. T.; Osborn, Gerald, 1987, Age of pre-Neoglacial cirque moraines in the central North American Cordillera.
Davis, P. T.; Osborn, Gerald, 1988, Reply to comment on "Age of pre-Neoglacial cirque moraines in the central North American Cordillera".
Mathewes, R. W., 1990, Climatic conditions in the Cordillera during the last glaciation—Paleoecological evidence [abstract].
Mathewes, R. W., 1990, Holocene vegetation and climate changes in the Cordillera [abstract].
Whitlock, Cathy; Thompson, R. S.; Bartlein, P. J., 1990, Climatic assessment of the last deglaciation in the Pacific Northwest as inferred from paleobotanical data [abstract].

PALEOGEOGRAPHY

De Chant, J. H., 1989, Sedimentary petrology, depositional environment and paleogeographic significance of the upper Hoko River Formation, northern Olympic Peninsula, Washington.
Dyke, A. S.; Prest, V. K., 1987, Paleogeography of northern North America, 18,000-5,000 years ago.
Elison, M. W., 1991, Intracontinental contraction in western North America—Continuity and episodicity.

Paleomagnetic dating, *see* **GEOCHRONOLOGY – PALEOMAGNETIC DATING**

PALEOMAGNETISM [REGIONAL WORKS]

Beck, M. E., Jr., 1989, Paleomagnetism of continental North America; Implications for displacement of crustal blocks within the western Cordillera, Baja California to British Columbia.
Hanna, R. L.; Verosub, K. L., 1989, A review of lacustrine paleomagnetic records from western North America—0-40,000 years BP.
Vine, F. J., 1968, Proof of ocean-floor spreading? [abstract].

PALEOMAGNETISM – BRITISH COLUMBIA

Butler, R. F.; Dickinson, W. R.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Reply.

Butler, R. F.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1989, Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?*

Irving, E.; Thorkelson, D. J., 1990, On determining paleohorizontal and latitudinal shifts—Paleomagnetism of Spences Bridge Group, British Columbia.

Miller, R. B.; Johnson, S. Y.; McDougall, J. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Comment.

Mothersill, J. S., 1987, The use of paleomagnetic logs in determining the postglacial history of Vancouver Island [abstract].

Mothersill, J. S., 1989, Paleomagnetic dating of postglacial sediments, Vancouver Island, Canada.

Mothersill, J. S., 1990, The paleomagnetic and tephra record of Mara Lake, south-central British Columbia [abstract].

Mothersill, J. S.; Fraser, J. D., 1989, The postglacial paleomagnetic record for Vancouver Island [abstract].

Turner, G. M., 1987, A 5000 year geomagnetic palaeosecular variation record from western Canada.

Umhoefer, P. J.; Dragovich, J. D.; Cary, J. A.; Engebretson, D. C., 1989, Refinements of the "Baja British Columbia" plate-tectonic model for northward translation along the margin of western North America.

Umhoefer, P. J.; Magloughlin, J. F., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?"; Comment.

PALEOMAGNETISM – OREGON

Calderone, G. J.; Butler, R. F., 1988, The effects of randomly directed noise on paleomagnetic directions [abstract].

Herrero-Bervera, Emilio; Helsley, C. E.; Hammond, S. R.; Chitwood, L. A., 1989, A possible lacustrine paleomagnetic record of the Blake episode from Pringle Falls, Oregon, U.S.A..

Negrini, R. M.; Darke, Rick; Hoare, Brian, 1987, Climate-induced variations in the geomagnetic field—Possible supporting evidence from a Pleistocene paleomagnetic record [abstract].

Negrini, R. M.; Verosub, K. L.; Davis, J. O., 1986, 400,000 years of geomagnetic field behavior as recorded in fine-grained sediments from Summer Lake, Lake County, Oregon [abstract].

Titus, W. S.; Beeson, M. H., 1988, Structural development of the Portland Basin inferred from geochemical and paleomagnetic trends in the Boring volcanics [abstract].

Verosub, K. L.; Mehringer, P. J., Jr., 1987, Holocene geomagnetic intensity variations in western North America—The record from Fish Lake, Oregon [abstract].

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.*

PALEOMAGNETISM – WASHINGTON

Bazard, D. R.; Burmester, R. F.; Beck, M. E., Jr.; Granirer, J. L.; Schwarz, C. G., 1990, Paleomagnetism of the Methow region, north-central Washington—Structural application of paleomagnetic data in a complexly deformed, variably remagnetized terrane.

Bogue, S. W.; Cowan, D. S.; Garver, J. I., 1989, Paleomagnetic evidence for poleward transport of Upper Jurassic rocks in the Decatur terrane, San Juan Islands, Washington.

Butler, R. F.; Dickinson, W. R.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Reply.

Butler, R. F.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1989, Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?*

Calderone, G. J.; Butler, R. F., 1988, The effects of randomly directed noise on paleomagnetic directions [abstract].

Engebretson, D. C.; Warnock, A.; Burmester, R. F.; Kelley, K.; Beck, M. E., Jr., 1988, Paleomagnetic results from the Crescent Formation on the Olympic Peninsula, Washington—A progress report [abstract].

Irving, E.; Thorkelson, D. J., 1990, On determining paleohorizontal and latitudinal shifts—Paleomagnetism of Spences Bridge Group, British Columbia.

Miller, R. B.; Johnson, S. Y.; McDougall, J. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Comment.

Mitchell, R. J.; Jaeger, D. J.; Diehl, J. F.; Hammond, P. E., 1989, Paleomagnetic results from the Indian Heaven volcanic field, south-central Washington.

Umhoefer, P. J.; Dragovich, J. D.; Cary, J. A.; Engebretson, D. C., 1989, Refinements of the "Baja British Columbia" plate-tectonic model for northward translation along the margin of western North America.

Umhoefer, P. J.; Magloughlin, J. F., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?"; Comment.

Wells, R. E., 1984, Paleomagnetic constraints on the interpretation of early Cenozoic Pacific Northwest paleogeography.

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.*

PIERCE CO., WASH. – AREAL GEOLOGY

Bennett, L. C., Jr.; Bostrom, R. C.; Burk, R.; Carver, G. A.; Coombs, H. A.; Frost, B. R.; Hales, P. O.; Johnson, D.; Leo, R.; Markham, D.; and others, 1972, Nisqually delta—A report [abstract].

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

University of Puget Sound Geology Department, 1981, Puget Group—Third annual field trip.

University of Puget Sound Geology Department, 1983, Geology of Owens Beach—Fifth annual field trip, May 14, 1983.

PIERCE CO., WASH. – BIBLIOGRAPHY

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Pierce County, Washington.

PIERCE CO., WASH. – EARTHQUAKES AND SEISMOLOGY

Baier, T. L., 1990, Spatial analysis of the public's attitudes and behaviors toward the earthquake hazard in Tacoma and Puyallup, Washington.

Lokey, William, 1988, Earthquake safety programs in the schools—One jurisdiction's experience.

Malone, S. D.; Qamar, A. I.; Jonientz-Trisler, Chris, 1991, Recent seismicity studies at Mount Rainier, Washington [abstract].*

Medak, Alan, 1990, Lifeline panel #3.

Palmer, S. P., 1990, Geotechnical analysis of liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes.*

Palmer, S. P.; Shulene, J. A., 1990, Liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes [abstract].

Shulene, J. A., 1990, Evidence of liquefaction in the Puyallup Valley during the 1949 and 1965 Puget Sound earthquakes.*

Thompson, K. I.; Qamar, A. I., 1989, The seismicity of Mount Rainier, Washington [abstract].
U.S. Army Corps of Engineers, 1983, Madigan Army Medical Center, Ft. Lewis, Washington—Geotechnical report, with supplement added.*
Washington Surveying and Rating Bureau, 1966, Tacoma, Washington earthquake map, showing general areas of filled or unstable ground.

PIERCE CO., WASH. – ENGINEERING GEOLOGY (including soil mechanics)

Coombs, H. A., 1989, The Nisqually projects—La Grande and Alder Dams.
Douglass, P. M.; Bailey, M. J.; Wagner, J. J., 1985, Chambers Creek interceptor sewer tunnel.
Galster, R. W., 1989, Mud Mountain Dam.
Herman, L. J., 1989, Chambers Creek tunnel dewatering and impact on groundwater users near Tacoma.
Lokey, William, 1988, Earthquake safety programs in the schools—One jurisdiction's experience.
Medak, Alan, 1990, Lifeline panel #3.
Mikkelsen, P. E., 1989, Geotechnical monitoring during construction of two highway embankments on soft ground in Tacoma.
Palmer, S. P., 1990, Geotechnical analysis of liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes.
Palmer, S. P.; Shulene, J. A., 1990, Liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes [abstract].
Rieke, R. D.; Crowser, J. C., 1987, Interpretation of pile load test considering residual stresses.
Shulene, J. A., 1990, Evidence of liquefaction in the Puyallup valley.
Trotman, Kenneth, 1989, Hydrogeologic investigation of the Reichhold Chemicals, Inc., facility in Tacoma, Washington.
U.S. Army Corps of Engineers, 1983, Madigan Army Medical Center, Ft. Lewis, Washington—Geotechnical report, with supplement added.*
Waldo, J. J., 1986, A survey of the engineering geologic information needs of land use planners.
Washington Surveying and Rating Bureau, 1966, Tacoma, Washington earthquake map, showing general areas of filled or unstable ground.

PIERCE CO., WASH. – GEOPHYSICS

Jonientz-Trisler, Chris; Driedger, C. L.; Qamar, A. I., 1990, Seismic signatures of debris flows on Mt. Rainier, Wa. [abstract].
Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].
Miller, D. J.; Parks, D. S., 1990, The use of refraction seismology in the characterization of bedrock morphology under a forest soils horizon [abstract].

PIERCE CO., WASH. – GEOTHERMAL RESOURCES

Frank, D. G., 1986, Hydrothermal processes at Mount Rainier, Washington [abstract].

PIERCE CO., WASH. – GLACIAL GEOLOGY

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

PIERCE CO., WASH. – GUIDEBOOKS

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.
Crandell, D. R.; Meier, M. F.; Mullineaux, D. R., 1965, Day 3—September 8, Paradise Park, Mount Rainier National Park.
University of Puget Sound Geology Department, 1981, Puget Group—Third annual field trip.
University of Puget Sound Geology Department, 1983, Geology of Owens Beach—Fifth annual field trip, May 14, 1983.

PIERCE CO., WASH. – LANDSLIDES AND SLOPE STABILITY

Frank, D. G., 1986, Hydrothermal processes at Mount Rainier, Washington [abstract].
Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].
Miller, D. J.; Parks, D. S., 1990, The use of refraction seismology in the characterization of bedrock morphology under a forest soils horizon [abstract].
Norris, R. D., 1990, Seismograms from the 16 August 1989 rockfall from Russell Cliff, Mount Rainier [abstract].
Sugden, B. D.; Cundy, T. W., 1990, Characterization of soils in a forested hollow in the Cascade mountains, Washington State [abstract].

PIERCE CO., WASH. – MUDFLOWS AND LAHARS

Driedger, C. L., 1988, Geology in action—Jökulhlaups on Mount Rainier.
Driedger, C. L.; Fountain, A. G., 1989, Glacier outburst floods at Mount Rainier, Washington State, U.S.A.
Jonientz-Trisler, Chris; Driedger, C. L., 1990, Seismic evidence of historic debris flows and dry-season floods on Mount Rainier, Washington, 1961-1990 [abstract].
Jonientz-Trisler, Chris; Driedger, C. L.; Qamar, A. I., 1990, Seismic signatures of debris flows on Mt. Rainier, Wa. [abstract].
Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].
Miller, D. J.; Parks, D. S., 1990, The use of refraction seismology in the characterization of bedrock morphology under a forest soils horizon [abstract].
Nelson, Jack, 1989, On the jökulhlaup trail, Mount Rainier.
Pringle, P. T., 1990, Hazards from volcanic debris flows in the Puyallup Valley, west of Mount Rainier, Washington [abstract].
Scott, K. M., 1990, Volcanic flood hazards for Mount Rainier in Washington.
Walder, Joseph, 1990, Glacial outburst floods at Mount Rainier.

Pierce Co., Wash. – Soil mechanics, *see* **PIERCE CO., WASH. – ENGINEERING GEOLOGY**

PIERCE CO., WASH. – SOILS, SEDIMENTS, AND STRATIGRAPHY

Buchanan-Banks, J. M., 1990, Depth to bedrock map of the greater Tacoma area, Washington.*
Eggers, A. A.; Goldstein, B. S.; Gebhards, J. S., 1989, Deformed Pleistocene sediments of the Tacoma Narrows, Washington [abstract].
Noble, J. B., 1990, Proposed revision of nomenclature for the Pleistocene stratigraphy of coastal Pierce County, Washington.
Sugden, B. D.; Cundy, T. W., 1990, Characterization of soils in a forested hollow in the Cascade mountains, Washington State [abstract].
West, L. M.; Noble, J. B., 1989, Hydrostratigraphy of the Clover/Chambers Creek basin, Pierce County, Washington.

PIERCE CO., WASH. – VOLCANISM

Frank, D. G., 1986, Hydrothermal processes at Mount Rainier, Washington [abstract].
Pringle, P. T., 1990, Volcanoes of Washington—Rainier, Washington.

Pipelines, *see* **ENGINEERING GEOLOGY – TUNNELS AND PIPELINES**

Plate tectonics, *see* **STRUCTURAL GEOLOGY AND TECTONICS**

Port facilities, *see* **ENGINEERING GEOLOGY – PORT FACILITIES**

Portland, Ore. area, *see* **OREGON – PORTLAND AREA**

PUBLIC ADMINISTRATION AND SERVICES

Boyer, Jim, 1990, Lifeline panel #2.
Burton, J. H., 1989, Disaster risk analysis and business resumption plan by a Washington state governmental agency.

Gardner, Booth, 1990, State and local government panel—Introductory remarks.
Henderson, Don, 1990, Lifeline panel #3.
Mead, P. C., 1990, State and local government panel.
Perkins, J. B.; Moy, Kenneth, 1989, Liability of local government for earthquake hazards and losses—A guide to the law and its impacts in the States of California, Alaska, Utah, and Washington; Final report.
Scawthorn, Charles, 1990, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.
Schmidt, Marti, 1990, Lifeline panel #2.
Toliver, Paul, 1990, Lifeline panel #1.

PUGET LOWLAND

Note: Regional materials on the Puget Lowland are listed here. Specific materials within the Puget Lowland are listed under the counties, as appropriate:

ISLAND CO., WASH.
KING CO., WASH.
KITSAP CO., WASH.
MASON CO., WASH.
PIERCE CO., WASH.
SAN JUAN CO., WASH.
SKAGIT CO., WASH.
SNOHOMISH CO., WASH.
THURSTON CO., WASH.
WHATCOM CO., WASH.

PUGET LOWLAND – AREAL GEOLOGY

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.
Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.
Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

PUGET LOWLAND – BIBLIOGRAPHY

Jones, M. A., 1991, Selected references for the Puget–Willamette Lowland regional aquifer-system analysis, Puget Sound lowland, Washington.

PUGET LOWLAND – EARTHQUAKES AND SEISMOLOGY

Algermissen, S. T., 1990, Regional and national seismic hazard and risk assessment.*
Atkinson, G. M.; Charlwood, R. G., 1983, Uncertainties in probabilistic seismic hazard assessment as a function of probability level—A case history for Vancouver, British Columbia.
Baker, G. E., 1986, Source parameters of the magnitude 7.1, 1949, south Puget Sound, Washington earthquake determined from long-period body waves.
Barksdale, J. D.; Coombs, H. A.; Bradford, D. C., 1940, Puget Sound earthquake of November 12, 1939 [abstract].
Bodle, T. R.; Qamar, A. I., 1989, Local variations of intensity for earthquakes in the Puget Sound region [abstract].
Bucknam, R. C., 1988, Characteristics of active faults.
Bucknam, R. C., 1990, Puget Sound paleoseismicity.
Celebi, Mehmet, 1990, Instrumentation of structures.
Chan, W. W., 1988, Network and array analysis of Puget Sound earthquake 1962-1969.
Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].
Chleborad, A. F.; Schuster, R. L., 1990, Ground failure associated with the Puget Sound region earthquakes of April 13, 1949, and April 29, 1965.
Cohee, B. P.; Somerville, P. G.; Sen, M. K., 1989, Strong ground motions in the Seattle–Portland region from hypothesized M_w=8 subduction earthquake [abstract].
Crosson, R. S., 1988, Seismic hazard from intraplate earthquakes in the Puget Sound region.
Crosson, R. S., 1989, Seismicity of Puget Sound and southern British Columbia.
Crosson, R. S.; Owens, T. J., 1989, Testing the arch model for slab geometry of the Cascadia subduction zone in the vicinity of Puget Sound, Washington [abstract].
Crouse, C. B.; Huang, M.-J.; Shakal, A. F., 1989, Additional processed accelerogram data recorded during the 1965 Puget Sound, Washington earthquake [abstract].
Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*
Grant, W. P., 1989, Liquefaction hazards in the Pacific Northwest.
Hays, W. W., 1989, Preface.
Hays, W. W., editor; Huey, Linda, compiler, 1989, Proceedings of Conference XLVIII, 3rd annual workshop on "Earthquake hazards in the Puget Sound, Portland area".
Ho, C. L.; Kornher, Karen; Tsiatas, G. E., 1991, Ground motion model for Puget Sound cohesionless soil sites.
Hopper, M. G., 1988, Effects of past earthquakes in the Puget Sound area.
King, K. W., 1990, Urban hazards seismic field investigations.
King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.*
Laane, J. L.; Chen, W.-P.; Grimson, N. L.; Yu, Nan, 1986, The Makran earthquake of April, 1983—A possible analogue to the Puget Sound event of 1965 [abstract].
Langston, C. A., 1986, Effect of lateral heterogeneities on strong ground motion.
Langston, C. A.; Baker, G. E., 1986, Source parameter constraints from strong ground motions of the April 13, 1949, Puget Sound earthquake.
Lees, J. M., 1990, Comparison of local tomographic P-wave velocity variations in California and Washington—Can we image fault asperities? [abstract].
May, P. J., 1989, Earthquake risk reduction policies and practices within the Puget Sound/Portland areas.
May, P. J., 1990, Earthquake risk reduction prospects—Puget Sound–Portland assessment.*
May, P. J.; Fox, Edward; Hasan, N. S., 1989, Anticipating earthquakes—Risk reduction policies and practices in the Puget Sound and Portland areas.*
May, P. J.; Fox, Edward; Hasan, N. S., 1989, Earthquake risk reduction profiles—Local policies and practices in the Puget Sound and Portland areas.
Noson, L. L., 1988, Objectives of the workshop.
Olsen, B. C., 1988, Inventory technique development—Puget Sound/Oregon.
Olsen, B. C.; Grant, W. P.; Celebi, Mehmet, compilers, 1989, Report on list of structures recommended for seismic instrumentation in the Puget Sound area, Washington, by the U.S. Geological Survey Puget Sound Region Instrumentation Advisory Committee.
Palmer, S. P., 1989, Liquefaction of soils.
Perbix, T. W., 1988, Evaluation of earthquake hazard and risk in the Puget Sound and Portland areas.
Roeder, C. W., 1988, Overview of earthquake hazards reduction in Puget Sound and Portland areas through improved building practices.
Rogers, G. C., 1983, Seismotectonics of British Columbia [abstract].
Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.
Scawthorn, Charles, 1990, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.*
Scawthorn, Charles; Preuss, Jane, 1989, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.
Schuster, R. L.; Chleborad, A. F., 1990, Ground failure caused by the 1949 and 1965 Puget Sound earthquakes, western Washington [abstract].
Somerville, P. G., 1989, Strong ground motion attenuation in the Puget Sound–Portland region.

Somerville, P. G.; Cohee, B. P., 1990, Simulation and empirical studies of ground motion attenuation in the Seattle–Portland region.*

Somerville, P. G.; Cohee, B. P.; Sen, M. K., 1989, Estimates of strong ground motions in the Seattle–Portland region from hypothesized magnitude 8 Cascadia subduction earthquakes.

Somerville, P. G.; Sen, M. K.; Wald, D. J., 1989, Strong ground motions of hypothetical earthquakes on the Cascadia plate interface [abstract].

Tinsley, J. C., 1988, Geologic factors and the regional evaluation of site response for urban seismic hazards studies.

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

Tinsley, J. C., 1989, Quaternary framework for earthquake studies, Los Angeles, California.

U.S. Army Corps of Engineers, 1949, Report of damage resulting from earthquake of 13 April 1949.

Wallace, T. C.; Lay, Thorne, 1986, Multiple ScS travel times and attenuation beneath the western United States [abstract].

Wong, I. G.; Silva, W. J.; Madin, I. P., 1990, Site-specific earthquake strong ground motion studies in the Puget Sound and Portland, Oregon metropolitan areas.

PUGET LOWLAND – ENGINEERING GEOLOGY (including soil mechanics)

Celebi, Mehmet, 1990, Instrumentation of structures.

Dusseau, R. A., 1991, Frequency and survivability profiles of highway bridges along the I-5 corridor between Everett, Washington and Salem, Oregon.*

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Galster, R. W.; Coombs, H. A., 1989, Cascade ice border dams—Geologic setting.

Johnson, Lee; Bauer, Wolf, 1987, Beach stabilization design.

May, P. J., 1990, Earthquake risk reduction prospects—Puget Sound–Portland assessment.*

Olsen, B. C., 1988, Inventory technique development—Puget Sound/Oregon.

Olsen, B. C.; Grant, W. P.; Celebi, Mehmet, compilers, 1989, Report on list of structures recommended for seismic instrumentation in the Puget Sound area, Washington, by the U.S. Geological Survey Puget Sound Region Instrumentation Advisory Committee.

Perbix, T. W., 1988, Evaluation of earthquake hazard and risk in the Puget Sound and Portland areas.

Roeder, C. W., 1988, Overview of earthquake hazards reduction in Puget Sound and Portland areas through improved building practices.

Scawthorn, Charles, 1990, Inventory and post-earthquake functionality of emergency response resources—Fire service operations in the Puget Sound area.

Schwartz, M. L.; Wallace, R. S.; Jacobsen, E. E., 1989, Net shore-drift in Puget Sound.

Terich, T. A., 1989, Structural erosion protection of beaches along Puget Sound—An assessment of alternatives and research needs.

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

U.S. Army Corps of Engineers, 1949, Report of damage resulting from earthquake of 13 April 1949.

PUGET LOWLAND – GEOCHRONOLOGY

Easterbrook, D. J., 1989, Origin of glaciomarine drift and synchroniety [sic] of lobes of the Cordilleran ice sheet [abstract].

Easterbrook, D. J.; Roland, J. L.; Carson, R. J.; Naeser, N. D., 1988, Application of paleomagnetism, fission-track dating, and tephra correlation to lower Pleistocene sediments in the Puget Lowland, Washington.

PUGET LOWLAND – GEOGRAPHIC INFORMATION SYSTEMS

Tarr, A. C., 1991, Computer graphics laboratory.

PUGET LOWLAND – GEOPHYSICS

Couch, R. W., 1968, Temporal gravity anomalies and elevation changes in the Puget Sound region of Washington.

Diment, W. H., 1988, Seismicity and hydrothermal processes.

Harding, S. T.; Urban, T. C.; Diment, W. H., 1988, Evidence of recent tectonic deformation in Puget Sound from seismic-reflection profiles [abstract].

King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.*

Lees, J. M., 1990, Comparison of local tomographic P-wave velocity variations in California and Washington—Can we image fault asperities? [abstract].

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Tinsley, J. C., 1989, Quaternary framework for earthquake studies, Los Angeles, California.

PUGET LOWLAND – GLACIAL GEOLOGY

Booth, D. B., 1990, Physical processes of the Puget lobe, Cordilleran ice sheet [abstract].

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Easterbrook, D. J., 1989, Origin of glaciomarine drift and synchroniety [sic] of lobes of the Cordilleran ice sheet [abstract].

Easterbrook, D. J., 1990, Advance and retreat of Cordilleran ice sheets in Washington [abstract].

Galster, R. W.; Coombs, H. A., 1989, Cascade ice border dams—Geologic setting.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

Jones, M. A., 1991, A layered multiaquifer system in the Puget Lowland resulting from cyclic continental glaciations [abstract].

Kurtz, D. D., 1980, Stratigraphy and genesis of Early Proterozoic diamictites—North America.

Thorson, R. M., 1989, Glacio-isostatic response of the Puget Sound area, Washington.

PUGET LOWLAND – GUIDEBOOKS

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

PUGET LOWLAND – LANDSLIDES AND SLOPE STABILITY

Chleborad, A. F.; Schuster, R. L., 1990, Ground failure associated with the Puget Sound region earthquakes of April 13, 1949, and April 29, 1965.

Cornforth, D. H., 1990, Earthquake-induced landslides.

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Schuster, R. L.; Chleborad, A. F., 1990, Ground failure caused by the 1949 and 1965 Puget Sound earthquakes, western Washington [abstract].

PUGET LOWLAND – LIQUEFACTION OF SOILS

Chleborad, A. F.; Schuster, R. L., 1990, Ground failure associated with the Puget Sound region earthquakes of April 13, 1949, and April 29, 1965.

Grant, W. P., 1989, Liquefaction hazards in the Pacific Northwest.

Ho, C. L.; Kornher, Karen; Tsiatas, G. E., 1991, Ground motion model for Puget Sound cohesionless soil sites.

Palmer, S. P., 1989, Liquefaction of soils.

PUGET LOWLAND – MAPS – GEOLOGIC

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

PUGET LOWLAND – SHORELINES AND SEA LEVEL

Beale, Harriet, 1990, Relative rise in sea-level during the late Holocene at six salt marshes in the Puget Basin, Washington.

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Galster, R. W., 1989, Geologic aspects of jetties, breakwaters, and boat basins in western Washington.

Johnson, Lee; Bauer, Wolf, 1987, Beach stabilization design.

Klarin, P. N.; Branch, K. M.; Hershman, M. J.; Grant, T. F., 1990, Sea level rise policy alternatives study—Vol. 1, Alternative policy responses for accelerated sea level rise and their implications.

Klarin, P. N.; Branch, K. M.; Hershman, M. J.; Grant, T. F., 1990, Sea level rise policy alternatives study—Vol. 2, An analytical review of state and federal coastal management systems and policy responses to sea level rise.

Marcus, K. L., 1989, Coastal and marine engineering geology—Introduction.

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

Schwartz, M. L.; Wallace, R. S.; Jacobsen, E. E., 1989, Net shore-drift in Puget Sound.

Shipman, Hugh, 1989, Vertical land movements in coastal Washington—Implications for relative sea level changes.*

Terich, T. A., 1989, Structural erosion protection of beaches along Puget Sound—An assessment of alternatives and research needs.

Puget Lowland – Soil mechanics, *see* **PUGET LOWLAND – ENGINEERING GEOLOGY**

PUGET LOWLAND – SOILS, SEDIMENTS, and STRATIGRAPHY

Easterbrook, D. J.; Roland, J. L.; Carson, R. J.; Naeser, N. D., 1988, Application of paleomagnetism, fission-track dating, and tephra correlation to lower Pleistocene sediments in the Puget Lowland, Washington.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

Kurtz, D. D., 1980, Stratigraphy and genesis of Early Proterozoic diamictites—North America.

Noble, J. B., 1990, Proposed revision of nomenclature for the Pleistocene stratigraphy of coastal Pierce County, Washington.

PUGET LOWLAND – STRUCTURAL GEOLOGY AND TECTONICS

Bucknam, R. C., 1988, Characteristics of active faults.

Bucknam, R. C., 1990, Puget Sound paleoseismicity.

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Crosson, R. S., 1988, Seismic hazard from intraplate earthquakes in the Puget Sound region.

Crosson, R. S.; Owens, T. J., 1989, Testing the arch model for slab geometry of the Cascadia subduction zone in the vicinity of Puget Sound, Washington [abstract].

Harding, S. T.; Urban, T. C.; Diment, W. H., 1988, Evidence of recent tectonic deformation in Puget Sound from seismic-reflection profiles [abstract].

Rogers, G. C., 1983, Seismotectonics of British Columbia [abstract].

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Zoback, M. L., 1990, Intraplate stress and deformation.

PUGET LOWLAND – SUBSIDENCE AND UPLIFT

Bucknam, R. C., 1990, Puget Sound paleoseismicity.

Shipman, Hugh, 1989, Vertical land movements in coastal Washington—Implications for relative sea level changes.*

PUGET SOUND

Evans-Hamilton, Inc.; D. R. Systems, Inc., 1987, Puget Sound environmental atlas.

Harding, S. T., 1989, Investigation of seismic-wave propagation for determination of crustal structure.*

Harding, S. T.; Agena, W.; Nichols, D.; Lee, M., 1989, Small-boat, multi-channel, high-resolution seismic reflection survey in Puget Sound and the Strait of Juan de Fuca.

Harding, S. T.; Barnhard, T. P.; Urban, T. C., 1988, Preliminary data from the Puget Sound multichannel seismic-reflection survey.

Harding, S. T.; Urban, T. C.; Barnhard, T. P., 1988, Preliminary evidence of possible Quaternary faulting in Puget Sound, Washington, from a multichannel marine seismic reflection survey.

Murty, T. S.; Hebenstreit, G. T., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America, Part 2—Strait of Georgia, Juan de Fuca Strait, and Puget Sound.

Pellenbarg, R. E., 1988, Historical record of silicones in sediment.

Seemann, D. A.; Hamilton, T. S.; Halpenny, J. F., 1990, A high resolution multiparameter geophysical survey of the continental margin basin from Georgia Strait to Puget Sound [abstract].

Williams, Sara, 1986, Handbook for geophysical survey operators for Washington's offshore and inland marine waters.

PUYALLUP, WASH. (Pierce Co.)

Baier, T. L., 1990, Spatial analysis of the public's attitudes and behaviors toward the earthquake hazard in Tacoma and Puyallup, Washington.

Palmer, S. P., 1990, Geotechnical analysis of liquefaction in Puyallup during the 1949 and 1965 Puget Sound earthquakes.

Shulene, J. A., 1990, Evidence of liquefaction in the Puyallup Valley during the 1949 and 1965 Puget Sound earthquakes.

QUATERNARY [REGIONAL WORKS]

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Hickson, C. J.; Smith, J. G.; Sherrod, D. R., 1987, Quaternary volcanic vent map—Central British Columbia to California—A progress report [abstract].

Smith, J. G.; Sherrod, D. R., 1989, Changes in Quaternary extrusion rate and volcanic style along the Cascade arc from Mount Garibaldi to Lassen Peak [abstract].

QUATERNARY – BRITISH COLUMBIA

Blaise, Bertrand; Clague, J. J.; Mathewes, R. W., 1990, Time of maximum late Wisconsin glaciation, west coast of Canada.

Bobrowsky, P. T.; Clague, J. J., 1990, Holocene sediments from Saanich Inlet, British Columbia, and their neotectonic implications.

Bobrowsky, P. T.; Clague, J. J., 1990, Neotectonic investigations on western Vancouver Island, British Columbia.

Brooks, G. R., 1990, The recognition of landslide dammings in alpine river valleys from backwater sediments [abstract].

Clague, J. J., 1989, Late Quaternary sea level change and crustal deformation, southwestern British Columbia.

Clague, J. J., 1989, Sea level changes on the Pacific coast of Canada—Past and future trends [abstract].

Clague, J. J., 1989, Sea levels on Canada's Pacific coast—Past and future trends.

Clague, J. J.; Bobrowsky, P. T., 1990, Holocene sea level change and crustal deformation, southwestern British Columbia.

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

Dyke, A. S.; Prest, V. K., 1987, Late Wisconsinan and Holocene retreat of the Laurentide ice sheet.

Dyke, A. S.; Prest, V. K., 1987, Paleogeography of northern North America, 18,000-5,000 years ago.

Evans, S. G., 1987, The application of Quaternary geology to the assessment of terrain hazards, Coast Mountains, British Columbia, Canada [abstract].

Eyles, Nicholas; Clague, J. J., 1987, Landsliding caused by Pleistocene glacial lake ponding—An example from central British Columbia.

Hebda, R. J., 1987, Holocene sea-level change, Barkley Sound, Vancouver Island, British Columbia [abstract].

Howes, D. E., 1987, Holocene sea levels—West coast of Vancouver Island [abstract].

Luternauer, J. L.; Clague, J. J.; Feeney, T. D., 1991, A 367 m core from southwestern Fraser River delta, British Columbia.

Mathewes, R. W., 1990, Holocene vegetation and climate changes in the Cordillera [abstract].

Moslow, T. F.; Luternauer, J. L.; Kostaschuk, R. A., 1991, Patterns and rates of sedimentation on the Fraser River delta slope, British Columbia.*

Sherrod, D. R.; Smith, J. G., 1990, Quaternary extrusion rates of the Cascade Range, northwestern United States and southern British Columbia.*

Turner, G. M., 1987, A 5000 year geomagnetic palaeosecular variation record from western Canada.

Williams, H. F. L., 1990, Holocene sea-level change and delta growth—Fraser River delta, British Columbia [abstract].

QUATERNARY – CALIFORNIA

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M.; Kelsey, H. M., 1986, Late Quaternary tectonics of coastal California north of the Mendocino triple junction [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1991, Tectonics and late Holocene paleoseismicity of the southern Cascadia subduction zone, northwestern California continental margin [abstract].

Kelsey, H. M.; Carver, G. A., 1986, Studies of Quaternary faulting through the analysis of small faults and fractures, north coastal California.

Lyle, Mitchell; Fisk, M. R.; Abbott, D. H.; Karlin, Robert; Morton, J. L.; Holmes, M. L., 1986, High resolution studies of ridge crest magmatism—Progress based upon studies in the sediment filled Escanaba trough (Gorda Ridge) [abstract].

Merritts, Dorothy, 1986, Late Quaternary tectonism in coastal northern California—A geomorphic approach [abstract].

O'Dea, K. M.; Vick, G. S.; Craven, G. F.; Linberg, D. N., 1987, An analysis of style of deformation and surface expression of late Quaternary thrust faults, coastal northern California [abstract].

Vick, G. S.; Carver, G. A., 1988, Late Holocene paleoseismicity, northern Humboldt Bay, California [abstract].

QUATERNARY – OREGON

Darienzo, M. E.; Peterson, C. D., 1987, Episodic tectonic subsidence recorded in late-Holocene salt-marshes, northwest Oregon [abstract].

Grant, W. C.; McLaren, D. D., 1987, Evidence for Holocene subduction earthquakes along the northern Oregon coast [abstract].

Hughes, S. S., 1984, Structural and petrochemical indicators for an extensional tectonic regime imposed on central High Cascade volcanism [abstract].

Kelsey, H. M., 1990, Late Quaternary deformation of marine terraces on the Cascadia subduction zone near Cape Blanco, Oregon.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Madin, I. P.; Pezzopane, Silvio, 1990, Quaternary deformation in the Portland metro area [abstract].

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M., 1990, Late Quaternary tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Negrini, R. M.; Darke, Rick; Hoare, Brian, 1987, Climate-induced variations in the geomagnetic field—Possible supporting evidence from a Pleistocene paleomagnetic record [abstract].

Negrini, R. M.; Verosub, K. L.; Davis, J. O., 1986, 400,000 years of geomagnetic field behavior as recorded in fine-grained sediments from Summer Lake, Lake County, Oregon [abstract].

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.*

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Rhea, Susan, 1988, Differential Quaternary uplift of the western Oregon Coast Range indicated by river gradient and river valley shape.

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

Verosub, K. L.; Mehringer, P. J., Jr., 1987, Holocene geomagnetic intensity variations in western North America—The record from Fish Lake, Oregon [abstract].

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

QUATERNARY – WASHINGTON

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].

Atwater, B. F., 1988, Evidence for great Holocene earthquakes along the outer coast of Washington State.

Atwater, B. F., 1988, Geologic studies for seismic zonation of the Puget Lowland.

Atwater, B. F., 1990, Holocene paleoseismology of coastal Washington State.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.*

Beale, Harriet, 1990, Relative rise in sea-level during the late Holocene at six salt marshes in the Puget Basin, Washington.

Beget, J. E., 1980, Tephrochronology of late-glacial and Holocene moraines in the central north Cascade Range, Washington State [abstract].

Beget, J. E., 1988, Comment on "Age of pre-Neoglacial cirque moraines in the central North American Cordillera," by P. T. Davis and G. Osborn.

Blaise, Bertrand; Clague, J. J.; Mathewes, R. W., 1990, Time of maximum late Wisconsin glaciation, west coast of Canada.

Booth, D. B., 1990, Pleistocene deposits and subglacial landforms of the southeastern Puget Lowland.

Bucknam, R. C., 1991, Puget Sound paleoseismicity.*

Bucknam, R. C.; Barnhard, T. P., 1990, Evidence of sudden late Holocene uplift in the central Puget Lowland, Washington [abstract].*

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

Crandell, D. R.; Hendricks, E. L.; Sigafoos, R. S., 1965, Day 2—September 7; Start—Chehalis, Washington; End—Mount Rainier National Park.

Crandell, D. R.; Meier, M. F.; Mullineaux, D. R., 1965, Day 3—September 8, Paradise Park, Mount Rainier National Park.

Crandell, D. R.; Mullineaux, D. R.; Waldron, H. H., 1965, Day 7—September 12, Seattle, Washington.

Danner, W. R., 1969, Glacial-cut groove and glacial-eroded surfaces on serpentine, Fidalgo Island, Washington [abstract].

Danner, W. R., 1969, Pleistocene stratigraphy and sedimentary structures at the southeastern side of Point Roberts, Washington [abstract].

Davis, P. T.; Osborn, Gerald, 1987, Age of pre-Neoglacial cirque moraines in the central North American Cordillera.*

Dethier, D. P., 1988, The soil chronosequence along the Cowlitz River, Washington.

Dyke, A. S.; Prest, V. K., 1987, Late Wisconsinan and Holocene retreat of the Laurentide ice sheet.

Dyke, A. S.; Prest, V. K., 1987, Paleogeography of northern North America, 18,000-5,000 years ago.

Easterbrook, D. J., 1990, Advance and retreat of Cordilleran ice sheets in Washington [abstract].

Easterbrook, D. J.; Roland, J. L.; Carson, R. J.; Naeser, N. D., 1988, Application of paleomagnetism, fission-track dating, and tephra correlation to lower Pleistocene sediments in the Puget Lowland, Washington.

Eggers, A. A.; Goldstein, B. S.; Gebhards, J. S., 1989, Deformed Pleistocene sediments of the Tacoma Narrows, Washington [abstract].

Harding, S. T., 1989, Investigation of seismic-wave propagation for determination of crustal structure.

Harding, S. T.; Urban, T. C.; Barnhard, T. P., 1988, Preliminary evidence of possible Quaternary faulting in Puget Sound, Washington, from a multichannel marine seismic reflection survey.

Jones, M. A., 1991, A layered multiaquifer system in the Puget Lowland resulting from cyclic continental glaciations [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Kurtz, D. D., 1980, Stratigraphy and genesis of Early Proterozoic diamictites—North America.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Mathewes, R. W., 1990, Climatic conditions in the Cordillera during the last glaciation—Paleoecological evidence [abstract].

Minor, Rick, 1989, The late Holocene earthquake hypothesis—Implications for southern northwest coast prehistory [abstract].

Noble, J. B., 1990, Proposed revision of nomenclature for the Pleistocene stratigraphy of coastal Pierce County, Washington.

Peterson, C. D.; Phipps, J. B., 1987, Seismic stratigraphy of the Holocene transgressive sequence in Grays Harbor, Washington, a shelf-barrier–estuarine transect from an active-margin coast [abstract].

Phipps, J. B.; Peterson, C. D., 1989, General submergence of Grays Harbor, Washington during the Holocene [abstract].

Pringle, P. T., 1990, Hazards from volcanic debris flows in the Puyallup Valley, west of Mount Rainier, Washington [abstract].

Sherrod, D. R.; Smith, J. G., 1990, Quaternary extrusion rates of the Cascade Range, northwestern United States and southern British Columbia.*

Swanson, D. A., 1989, Tumtum–Badger Ridge line of Quaternary vents, southern Cascades of Washington [abstract].

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

West, D. O., 1988, Pleistocene raised marine terraces along the Washington–Oregon coastline and implications to Cascadia subduction zone tectonics.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1989, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the greater Seattle area, Washington—Implications for liquefaction susceptibility studies.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1990, Geotechnical drill-hole logs from the southern Seattle area, Washington.

Radiocarbon dating, *see*
GEOCHRONOLOGY – RADIOCARBON DATING

REMOTE SENSING

Fritts, S. G.; Merifield, P. M.; Lamar, D. L.; Smith, J. L., 1982, Reconnaissance engineering geologic mapping from Landsat imagery along the Northern Tier Pipeline route.

Gower, J. F. R., 1989, Coastal studies with the thematic mapper on the west coast of Canada.

Kouba, J.; Dragert, Herb, 1989, Crustal deformation measurements by satellite techniques on Canada's west coast [abstract].

Parks, D. S.; Reutebuch, S. E., 1990, Landslide mapping and analysis from aerial photographs with a PC-based analytical stereoplotter [abstract].

Tillson, D. D., 1988, Computer graphical analysis of remote sensing data and some aspects of the geometry of the Juan de Fuca subducting plate, western Washington and Oregon [abstract].

Ungar, S. G.; Merry, C. J.; Irish, Richard; McKim, H. L.; Miller, M. S., 1988, Extraction of topography from side-looking satellite systems—A case study with SPOT simulation data.

Reservoirs,
see
EARTHQUAKES AND DAMS AND RESERVOIRS
ENGINEERING GEOLOGY – DAMS AND RESERVOIRS

RIVER MORPHOLOGY – BRITISH COLUMBIA

Brierley, G. J., 1991, Bar sedimentology of the Squamish River, British Columbia—Definition and application of morpho-strati-graphic units.

Cruden, D. M.; Lu Z-Y., 1989, The geomorphic impact of the catastrophic October 1984 flood on the planform of Squamish River, southwestern British Columbia—Discussion.

Duggan, D. M.; Luternauer, J. L., 1985, Development-induced tidal flat erosion, Fraser River delta, British Columbia.

Hickin, E. J.; Sichingabula, H. M., 1989, The geomorphic impact of the catastrophic October 1984 flood on the planform of Squamish River, southwestern British Columbia—Reply.

Ilersich, S. A.; Kostaschuk, R. A.; Luternauer, J. L., 1990, Relationships between bed-material load and bedform migration—Fraser River estuary, British Columbia [abstract].

Jol, H. M.; Roberts, M. C., 1988, The seismic facies of a delta onlapping an offshore island—Fraser River delta, British Columbia.

Kostaschuk, R. A.; Ilersich, S. A.; Luternauer, J. L., 1990, Relationships between bed-material load and bedform migration, Fraser River estuary, British Columbia.

Kostaschuk, R. A.; Luternauer, J. L.; McKenna, G. T.; Moslow, T. F., 1990, Morphology and sediment transport in a submarine channel system—Fraser River delta, British Columbia [abstract].

Kostaschuk, R. A.; MacDonald, G. M., 1988, Multitrack surveying of large bedforms.

Luternauer, J. L.; Finn, W. D. L., 1983, Stability of the Fraser River delta front.

Syvitski, J. P. M.; Smith, J. N.; Calabrese, E. A.; Boudreau, B. P., 1988, Basin sedimentation and the growth of prograding deltas.

RIVER MORPHOLOGY – OREGON

Benda, L. E.; Dunne, Thomas, 1988, Variation of channel morphology controlled by the frequency and magnitude of mass wasting [abstract].

Eberhardt, Ellen, 1988, Dynamics of intermediate-size stream outlets, northern Oregon coast.

Montgomery, D. R.; Dietrich, W. E., 1988, Where do channels begin?.

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

Rhea, Susan, 1988, Fluvial morphology of the Oregon coast.

RIVER MORPHOLOGY – WASHINGTON

Booth, D. B., 1990, Stream-channel incision following drainage-basin urbanization.

Dengler, Lori; Montgomery, D. R., 1989, Estimating the thickness of colluvial fill in unchanneled valleys from surface topography.

Giese, B. S.; Jay, D. A., 1989, Modelling tidal energetics of the Columbia River estuary.

Johnson, A. C., 1991, Effects of landslide–dam-break floods on channel morphology.

Meyer, D. F.; Martinson, H. A., 1989, Rates and processes of channel development and recovery following the 1980 eruption of Mount St. Helens, Washington.

Perkins, S. J., 1989, Interactions of landslide-supplied sediment with channel morphology in forested watersheds.

Roads, *see* **ENGINEERING GEOLOGY – ROADS AND BRIDGES**

Rock mechanics, *see* **ENGINEERING GEOLOGY – SOIL MECHANICS and ROCK MECHANICS**

ROSS LAKE FAULT ZONE (Whatcom Co., Wash.)

DiLeonardo, C. G., 1991, Timing and kinematics of bounding structures of the North Creek block, northeastern Cascades Washington—Implications for the evolution of the southern Ross Lake fault zone [abstract].

Haugerud, R. A.; Miller, R. B.; Tabor, R. W.; Phillips, W. M., 1991, Ross Lake fault near Gabriel Peak, north Cascades Range, Washington [abstract].

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Kriens, B. J., 1990, The Skagit–Methow vertical crustal section, North Cascades, Washington—A relatively intact section [abstract].

Kriens, B. J.; Wernicke, B. P., 1987, Characteristics of a continental margin magmatic arc with depth—The Skagit–Methow crustal section [abstract].

Kriens, B. J.; Wernicke, B. P., 1990, Nature of the contact zone between the North Cascades crystalline core and the Methow sequence in the Ross Lake area, Washington—Implications for Cordilleran tectonics.

Miller, M. G., 1988, Possible pre-Cenozoic left-lateral slip on the Yalakom fault, southwestern British Columbia.

Miller, R. B., 1988, Possible role of ductile shear zones in linking overstepping strike-slip faults, Ross Lake fault zone, North Cascades, Washington [abstract].

SAN JUAN CO., WASH.

Beale, Harriet, 1990, Relative rise in sea-level during the late Holocene at six salt marshes in the Puget Basin, Washington.

Bogue, S. W.; Cowan, D. S.; Garver, J. I., 1989, Paleomagnetic evidence for poleward transport of Upper Jurassic rocks in the Decatur terrane, San Juan Islands, Washington.

Danner, W. R., 1969, Glacial-cut groove and glacial-eroded surfaces on serpentine, Fidalgo Island, Washington [abstract].

Gallagher, M. P.; Brown, E. H.; Walker, N. W., 1988, A new structural and tectonic interpretation of the western part of the Shuksan blueschist terrane, northwestern Washington.

Maekawa, Hirokazu; Brown, E. H., 1991, Kinematic analysis of the San Juan thrust system, Washington.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of San Juan County, Washington.

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

SAN JUAN ISLANDS

Bogue, S. W.; Cowan, D. S.; Garver, J. I., 1989, Paleomagnetic evidence for poleward transport of Upper Jurassic rocks in the Decatur terrane, San Juan Islands, Washington.

Brandon, M. T., 1989, Geology of the San Juan–Cascade nappes, northwestern Cascade Range and San Juan Islands.

Brandon, M. T.; Cowan, D. S.; Vance, J. A., 1988, The Late Cretaceous San Juan thrust system, San Juan Islands, Washington.

Cowan, D. S.; Brandon, M. T., 1990, New techniques for determining the slip direction in brittle fault zones—An application to the Late Cretaceous nappes of the San Juan Islands, WA [abstract].

England, T. D. J., 1989, Lithostratigraphy of the Nanaimo Group, Georgia Basin, southwestern British Columbia.

Maekawa, Hirokazu; Brown, E. H., 1991, Kinematic analysis of the San Juan thrust system, Washington.*

McGroder, M. F.; Miller, R. B.; Haugerud, R. A.; Brandon, M. T., 1989, Elements of the Cascades 'collisional' orogen—A transect from the Methow Basin to the San Juan Islands.

Palumbo, G. T. X.; Brandon, M. T., 1990, Gravity modeling of the geometry of the frontal thrust to the Late Cretaceous San Juan nappes, NW Washington State [abstract].

SAND

see also
EARTHQUAKE-INDUCED LIQUEFACTION
ENGINEERING GEOLOGY – SOIL MECHANICS and ROCK MECHANICS

Cheng, W.-L., 1980, Effects of soil properties on liquefaction potential during earthquakes.

Gaddah, A. H., 1976, Damping ratio for dry sands.

Kilby, C. E., 1990, Nearshore surficial geology and heavy mineral assemblages, northern Strait of Juan de Fuca [abstract].

Pettit, D. J., 1990, The use of seismic refraction in determining sand thickness at selected beach sites in the Pacific Northwest [abstract].

Withers, N. J.; Howie, J.; Hughes, J. M. O.; Robertson, P. K., 1989, Performance and analysis of cone pressuremeter tests in sands.

SATSOP NUCLEAR PLANT AREA (Grays Harbor Co., Wash.)

Coppersmith, K. J.; Youngs, R. R., 1990, Probabilistic seismic-hazard analysis using expert opinion—An example from the Pacific Northwest.

Day, S. M.; Stevens, J. L.; Barker, T. G., 1988, Ground motion simulations for thrust earthquakes beneath western Washington; Final report.

Kearnes, J. K., 1976, An evaluation of a method of microzonation by microseismic amplification spectra.

Manfrida, J. L., 1977, Soil amplification studies using explosion impulse.

McCrumb, D. R.; West, D. O.; Kiel, W. A., 1989, Geology and seismic considerations of the Satsop nuclear power plant site.

Sherif, M. A.; Ishibashi, Isao; Kearnes, J. K., 1976, Microzonation by amplification ratio technique.

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

U.S. Nuclear Regulatory Commission, 1991, Draft safety evaluation by the Office of Nuclear Reactor Regulation relating to geology and seismology, Washington Public Power Supply System Washington nuclear project no. 3 (WNP-3), docket no. 50-508.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

SCHOOL BUILDINGS

Lokey, William, 1988, Earthquake safety programs in the schools—One jurisdiction's experience.

Martens, Carole, 1988, New education, awareness, and preparedness programs—An overview.

Martens, Carole, 1989, Washington state schools program.

Noson, L. L.; Martens, Carole, 1987, Washington State school earthquake emergency planning.

Washington State Superintendent of Public Instruction, 1989, Safer schools—Earthquake hazards nonstructural.

SEA LEVEL

Beale, Harriet, 1990, Relative rise in sea-level during the late Holocene at six salt marshes in the Puget Basin, Washington.

Clague, J. J., 1987, The use of geological evidence in reconstructing recent crustal movements in British Columbia—Potential and problems [abstract].

Clague, J. J., 1989, Late Quaternary sea level change and crustal deformation, southwestern British Columbia.

Clague, J. J., 1989, Sea levels on Canada's Pacific coast—Past and future trends.*

Clague, J. J.; Bobrowsky, P. T., 1990, Holocene sea level change and crustal deformation, southwestern British Columbia.

Clague, J. J.; Lichti-Federovich, S.; Guilbault, J.-P.; Mathewes, R. W., 1990, Holocene sea level change, southcoastal British Columbia.

DeYoung, E. J.; Clark, J. A., 1990, Glacioisostatic deformation caused by the Cordilleran ice sheet as an indicator of mantle viscosity in British Columbia [abstract].

Grabert, G. F.; Larsen, C. E., 1975, Marine transgressions and cultural adaptation—Preliminary tests of an environmental model.

Hebda, R. J., 1987, Holocene sea-level change, Barkley Sound, Vancouver Island, British Columbia [abstract].

Hicks, S. D.; Hickman, L. E., Jr., 1988, United States sea level variations through 1986.

Holdahl, S. R.; Faucher, Francois; Dragert, Herb, 1989, Contemporary vertical crustal motion in the Pacific Northwest.

Howes, D. E., 1987, Holocene sea levels—West coast of Vancouver Island [abstract].

Klarin, P. N.; Branch, K. M.; Hershman, M. J.; Grant, T. F., 1990, Sea level rise policy alternatives study.*

Linden, R. H.; Schurer, P. J., 1988, Sediment characteristics and sea-level history of Royal Roads Anchorage, Victoria, British Columbia.

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Palmer, A. J. M.; Clague, J. J., 1991, Diatom assemblage analysis and sea level change, Serpentine River, British Columbia.

Riddihough, R. P., 1982, Contemporary vertical movements and tectonics on Canada's west coast [abstract].

Shipman, Hugh, 1989, Vertical land movements in coastal Washington—Implications for relative sea level changes.*

Wigen, S. O.; Stephenson, F. E., 1980, Mean sea level on the Canadian west coast.

Williams, H. F. L., 1990, Holocene sea-level change and delta growth—Fraser River delta, British Columbia [abstract].

Williams, H. F. L.; Luternauer, J. L., 1990, Shallow structure and growth of the southern Fraser River delta—Preliminary field results.

SEATTLE, WASH. – AREAL GEOLOGY

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

SEATTLE, WASH. – EARTHQUAKES AND EARTHQUAKE ENGINEERING

Algermissen, S. T.; Leyendecker, E. V., 1988, Estimation of earthquake losses in the Puget Sound area.

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Anton, W. F., 1990, Overview of lifeline earthquake engineering panel discussion—Abstract of responses.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Bodle, T. R., 1990, The relation of earthquake intensity to surface geology and elevation in western Washington State.*

Bolton, P. A., 1989, Post-disaster emergency response issues in urban settings. Converse Ward Davis Dixon, Inc., 1980, Report on earthquake motions for reservoir seismic stability analyses, Seattle, Washington.

Celebi, Mehmet, 1991, Instrumentation of structures.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Grant, W. P., 1989, Evaluation of liquefaction potential, Seattle, Washington.*

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.*

King, K. W., 1991, Investigation of seismic wave propagation for determination of crustal structure.

King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.*

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1988, Geophysical studies in support of seismic hazards assessment of Seattle and Olympia, Washington.

Marks, Clifford, 1991, Seismic hazard reduction planning process to develop policies and programs for the City of Seattle.

McLerran, Dennis, 1990, City of Seattle's earthquake preparedness plan.

Perbix, T. W., 1990, Introduction to a seismic retrofit of older buildings [abstract].

Perbix, T. W., 1990, Seismic retrofit of Union Station.

Perbix, T. W.; Burke, P., 1989, Toward a philosophy for seismic retrofit—The Seattle experience.

Qamar, A. I., 1988, The effect of local geology on earthquake intensity in the Seattle to Portland region of Washington and northern Oregon.

Qamar, A. I.; Bodle, T. R., 1989, Using earthquake intensities to determine ground response in the Puget Sound region.

Rice, Norm, 1990, City of Seattle's earthquake preparedness plan.

Tarr, A. C.; King, K. W., 1988, U.S. Geological Survey begins seismic ground response experiments in Washington State.

Tinsley, J. C., 1988, Quaternary framework for earthquake studies, Los Angeles, California.

Toliver, Paul, 1990, Lifeline panel #1.

Twelker, N. H., and Associates, 1966, Damages caused by earthquake of April 29, 1965—Letter report, Port of Seattle Commission, Pier 5 Terminal.

URS/John A. Blume and Associates, 1985, Metro effluent transfer system, seismic evaluation amendment 4, task XVIII.5.

Washington Surveying and Rating Bureau, 1966, Seattle and vicinity, Washington earthquake map, showing general areas of filled or unstable ground.

Williams, P. L.; Jacoby, G. C., 1989, Evaluation of possible seismic triggering of giant landslides in Seattle, Washington [abstract].

Youd, T. L., 1989, Liquefaction hazard mapping for the Seattle urban region utilizing LSI.*

Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

SEATTLE, WASH. – ENGINEERING GEOLOGY (including soil mechanics and liquefaction)

Andrews, G. H.; Klasell, J. A., 1964, Cylinder pile retaining wall.

Anton, W. F., 1990, Overview of lifeline earthquake engineering—Panel discussion responses to four topics.

Anton, W. F., 1990, Overview of lifeline earthquake engineering panel discussion—Abstract of responses.

Ballantyne, D. B., 1989, Earthquake loss estimation modeling of the Seattle water system.*

Bodle, T. R., 1990, The relation of earthquake intensity to surface geology and elevation in western Washington State.

Buechel, G. J.; Yamane, George, 1989, Stabilization of a roadway slide by drainage installation and light-weight fill.

Cheng, W.-L., 1980, Effects of soil properties on liquefaction potential during earthquakes.

Converse Ward Davis Dixon, Inc., 1980, Report on earthquake motions for reservoir seismic stability analyses, Seattle, Washington.

Critchfield, J. W.; MacDonald, J. F., 1990, Downtown in soft ground.

Gaddah, A. H., 1976, Damping ratio for dry sands.

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Grant, W. P., 1989, Evaluation of liquefaction potential, Seattle, Washington.*

Grant, W. P.; Yamane, George; Miller, R. P., 1984, Columbia Center shoring wall, Seattle, Washington.

Gurtowski, T. M.; Boirum, R. N., 1989, Foundations and excavations for high-rise structures in downtown Seattle.

Johnson, K. A., 1989, Seattle freeway construction, Interstate Highway 5, 1960-1966.

Kennedy/Jenks/Chilton, 1990, Earthquake loss estimation modeling of the Seattle water system.*

Laprade, W. T.; Thompson, S. R., 1989, Engineering geology of the Downtown Seattle Transit Project.

Ludwig, H. P.; Weatherby, D. E., 1989, Behavior of a tieback in cohesive soil.

McLerran, Dennis, 1990, City of Seattle's earthquake preparedness plan.

Miller, J. A., 1989, Landslide stabilization in an urban setting, Fauntleroy District, Seattle, Washington.

Morse, R. W., 1989, Regrading years in Seattle.

Patten, R. H., 1987, Excavation problems of E.T.S.-6 tunnel.

Perbix, T. W.; Burke, P., 1989, Toward a philosophy for seismic retrofit—The Seattle experience.

Perkins, W. J.; Grant, W. P.; Youd, T. L., 1990, Liquefaction susceptibility maps for the Seattle North and South, Washington quadrangles [abstract].

Robinson, R. A., 1989, Geotechnical impacts on design and construction of the Mt. Baker Ridge Tunnel, interstate Highway 90, Seattle.

Robinson, R. A.; Kucker, M. S.; Feldman, A. I.; Parker, H. W., 1987, Ground and linear behavior during construction of the Mt. Baker Ridge tunnel.

Shannon and Wilson, Inc., 1980, Geotechnical engineering studies—West Seattle freeway bridge replacement, City of Seattle.*

Shannon and Wilson, Inc., 1985, Geotechnical report—Downtown Seattle transit project; Preliminary engineering.

Shannon, W. L.; Strazer, R. J., 1970, Tiedback excavation wall for Seattle First National Bank.

Sherif, M. A., 1964, Flow and fracture properties of Seattle clays.

Sherif, M. A., 1966, Physical properties of Seattle freeway soils.

Sherif, M. A.; Strazer, R. J., 1973, Soil parameters for design of Mt. Baker Ridge tunnel in Seattle.

Sherif, M. A.; Wu, M.-J., 1968, The residual strength of Seattle clays during triaxial testing.

Sherif, M. A.; Wu, M.-J., 1968, The short term failure criterion for Seattle clays.

Sherif, M. A.; Wu, M.-J., 1969, Creep limit and residual strength relationship.

Sherif, M. A.; Wu, M.-J., 1971, The dynamic shear behavior of Seattle clays.

Sherif, M. A.; Wu, M.-J., 1971, Summary and practical implications of the University of Washington soil engineering research.

Sondergaard, J. N.; Fuller, S. R.; Otten, M. T., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.

Sondergaard, J. N.; Otten, M. T.; Fuller, S. R., 1989, Geology and design of the Seattle access portion of Interstate Highway 90.

Squier, L. R.; Klasell, J. A., 1989, Cylinder pile walls along Interstate Highway 5, Seattle.

Squires, G. H., 1985, An experimental investigation of the consolidation and shear strength characteristics of a Seattle clay.

Tunnels and Tunneling, 1982, Seattle to get largest diameter soft-ground bored tunnel in the USA.

Twelker, N. H., and Associates, 1966, Damages caused by earthquake of April 29, 1965—Letter report, Port of Seattle Commission, Pier 5 Terminal.

URS/John A. Blume and Associates, 1985, Metro effluent transfer system, seismic evaluation amendment 4, task XVIII.5.

Washington Surveying and Rating Bureau, 1966, Seattle and vicinity, Washington earthquake map, showing general areas of filled or unstable ground.

Wiatrak, P. A., 1966, Seattle's leaning wall.

Yamane, George; Wu, M.-J., 1989, Pile foundation for the West Seattle Freeway bridge replacement, Seattle, Washington.

Youd, T. L., 1989, Liquefaction hazard mapping for the Seattle urban region utilizing LSI.*

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1990, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the southern Seattle area, Washington—Implications for studies of liquefaction susceptibility.*

Zarker, Gary, 1990, City of Seattle's earthquake preparedness plan.

SEATTLE, WASH. – GEOCHRONOLOGY

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.

SEATTLE, WASH. – LAKES AND LAKE SEDIMENTS

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Karlin, Robert, 1990, Paleoseismicity in the Puget Sound area recorded in Holocene sediments from Lake Washington, U.S.A. [abstract].

Yearsley, J. R.; Hileman, J. R.; Anderson, Jenny, 1985, Application of estimation techniques to characterizing sediments in Lake Union, Washington.

SEATTLE, WASH. – LANDSLIDES AND SLOPE STABILITY

Buechel, G. J.; Yamane, George, 1989, Stabilization of a roadway slide by drainage installation and light-weight fill.

Jacoby, G. C.; Williams, P. L., 1990, Use of temporal correlation to test a proposed seismic origin for giant landslides in Seattle, Washington.

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1990, Timing and distribution of landslides in Lake Washington, Seattle—Geohazards of possible seismic origin [abstract].

Miller, J. A., 1989, Landslide stabilization in an urban setting, Fauntleroy District, Seattle, Washington.

Williams, P. L.; Jacoby, G. C., 1989, Evaluation of possible seismic triggering of giant landslides in Seattle, Washington [abstract].

Seattle, Wash. – Liquefaction, *see* **SEATTLE, WASH. – ENGINEERING GEOLOGY**

SEATTLE, WASH. – MAPS – GEOLOGIC

Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America.

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

Seattle, Wash. – Soil mechanics, *see* **SEATTLE, WASH. – ENGINEERING GEOLOGY**

SEATTLE, WASH. – SOILS AND STRATIGRAPHY

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1990, Geotechnical drill-hole logs from the southern Seattle area, Washington.

SEATTLE, WASH. – STRUCTURAL GEOLOGY

Harding, S. T., 1989, Investigation of seismic-wave propagation for determination of crustal structure.

SEDIMENTARY BASINS

Bilodeau, W. L., 1988, Sedimentation and basin evolution along the Mesozoic margin of western North America [abstract].

Couch, R. W.; Foote, R. W., 1985, The Shukash and Lapine basins—Pleistocene depressions in the Cascade Range of central Oregon [abstract].

England, T. D. J., 1988, Stratigraphy and structure of the Nanaimo Basin, southwestern British Columbia [abstract].

Heller, P. L., 1984, Tectonic rotation and basin development during mid-Tertiary extension in the Pacific Northwest [abstract].

Maxon, J. A., 1991, $^{40}Ar/^{39}Ar$ evidence for the timing and tectonics of basin closure—Tyaughton basin, southwest British Columbia [abstract].

Mustard, P. S.; Monger, J. W. H., 1991, Upper Cretaceous–Tertiary Georgia Basin, British Columbia—Forearc or foreland? [abstract].

Mustard, P. S.; Rouse, G. E., 1990, Sedimentary outliers of the eastern Georgia Basin, margin, British Columbia.

Ryberg, P. T., 1984, Structural influence on early Tertiary sedimentary basin geometry, southwestern Oregon [abstract].

Smith, G. A., 1985, Basin analysis of the Deschutes Formation—An example of the role of sedimentology in the study of Cascade arc evolution [abstract].

Smith, G. A.; Vincent, K. R.; Snee, L. W., 1989, An isostatic model for basin formation in and adjacent to the central Oregon High Cascade Range.

SEDIMENTS AND SEDIMENTOLOGY – BRITISH COLUMBIA

Baxter, Sonny, 1987, Unusual folding and rolling of glacio-lacustrine sediments, upper Fraser Canyon, British Columbia [abstract].

Brandon, M. T., 1989, Deformational styles in a sequence of olistostromal melanges, Pacific Rim Complex, western Vancouver Island, Canada.

Hamilton, T. S., 1991, Seismic stratigraphic evidence for the distribution and facies of thick glaciomarine deposits beneath the Strait of Georgia and adjacent fjords [abstract].

Hamilton, T. S.; Hart, B. S., 1991, The physiography, structure and growth of the Fraser Delta front—Strait of Georgia, British Columbia [abstract].

Kilby, C. E., 1990, Nearshore surficial geology and heavy mineral assemblages, northern Strait of Juan de Fuca [abstract].

Maxon, J. A., 1991, $^{40}Ar/^{39}Ar$ evidence for the timing and tectonics of basin closure—Tyaughton basin, southwest British Columbia [abstract].

Moslow, T. F.; Luternauer, J. L.; Kostaschuk, R. A., 1991, Patterns and rates of sedimentation on the Fraser River delta slope, British Columbia.*

Mothersill, J. S., 1989, Paleomagnetic dating of postglacial sediments, Vancouver Island, Canada.

Mustard, P. S.; Rouse, G. E., 1990, Sedimentary outliers of the eastern Georgia Basin, margin, British Columbia.

Roberts, M. C., 1990, Sedimentary framework of the northern section of Fraser River delta, British Columbia [abstract].

Roberts, M. C.; Williams, H. F. L.; Luternauer, J. L.; Cameron, B. E. B., 1985, Sedimentary framework of the Fraser River delta, British Columbia—Preliminary field and laboratory results.

Syvitski, J. P. M.; Smith, J. N.; Calabrese, E. A.; Boudreau, B. P., 1988, Basin sedimentation and the growth of prograding deltas.

Thorkelson, D. J., 1989, Eocene sedimentation and volcanism in the Fig Lake graben, southwestern British Columbia.

Williams, H. F. L.; Luternauer, J. L., 1990, Shallow structure and growth of the southern Fraser River delta—Preliminary field results.

Willmer, Bruce; Middleton, Gerard, 1990, A sedimentological description of alluvial fans of the Fraser River Valley, British Columbia [abstract].

SEDIMENTS AND SEDIMENTOLOGY – OREGON

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

Ryberg, P. T., 1989, Paleocene to early Eocene depositional systems along a tectonically active continental margin, southwestern Oregon [abstract].

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

SEDIMENTS AND SEDIMENTOLOGY – WASHINGTON

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.*

Brandon, M. T., 1989, Deformational styles in a sequence of olistostromal melanges, Pacific Rim Complex, western Vancouver Island, Canada.

Buchanan-Banks, J. M., 1989, Depth to bedrock map in the greater Tacoma area, Washington.*

Clifton, H. E.; Phillips, R. L., 1974, Coastal sedimentation [abstract].

De Chant, J. H., 1989, Sedimentary petrology, depositional environment and paleogeographic significance of the upper Hoko River Formation, northern Olympic Peninsula, Washington.

Dengler, Lori; Montgomery, D. R., 1989, Estimating the thickness of colluvial fill in unchanneled valleys from surface topography.

Easterbrook, D. J.; Roland, J. L.; Carson, R. J.; Naeser, N. D., 1988, Application of paleomagnetism, fission-track dating, and tephra correlation to lower Pleistocene sediments in the Puget Lowland, Washington.

Eggers, A. A.; Goldstein, B. S.; Gebhards, J. S., 1989, Deformed Pleistocene sediments of the Tacoma Narrows, Washington [abstract].

Evans, J. E., 1986, Influence of syndepositional tectonics on fluvial facies in a Tertiary wrench-fault basin, Chumstick Formation, Cascades Range, Washington [abstract].

Evans, J. E., 1988, Depositional environments, basin evolution and tectonic significance of the Eocene Chumstick Formation, Cascade Range, Washington.

Johnson, S. Y., 1985, Stratigraphy and sedimentology of the Eocene Chuckanut Formation on Bellingham Bay, Washington.

Madin, I. P., 1989, Distribution of potentially responsive Quaternary deposits in Portland.

McCrory, P. A., 1991, Active margin tectonics, Pacific Northwest region.*

Mustard, P. S.; Rouse, G. E., 1990, Sedimentary outliers of the eastern Georgia Basin, margin, British Columbia.

Niem, A. R.; Snavely, P. D., Jr.; Chen, Ying; Niem, W. A., 1989, Jansen Creek Member of the Makah Formation—A major Oligocene submarine landslide or slump deposit from the Vancouver shelf in the Juan de Fuca deep margin basin, NW Olympic Peninsula, Washington [abstract].

Palmer, S. P., 1989, Stratigraphic and structural interpretation of Willapa Basin [abstract].

Tinsley, J. C., 1989, Considerations for deterministic ground motion mapping in the Portland–Puget Sound region.

Vance, J. A., 1989, Detrital kyanite and zircon—Provenance and sediment dispersal in the middle and late Eocene Puget and Cowlitz Groups, SW Washington and NW Oregon [abstract].

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1989, The standard penetration versus depth relations of Quaternary glacial and nonglacial deposits in the greater Seattle area, Washington—Implications for liquefaction susceptibility studies.

SEICHES

Bourgeois, Joanne; Reinhart, M. A., 1988, Potentially damaging waves associated with earthquakes, coastal Washington.

Evans, S. G., 1989, The 1946 Mount Colonel Foster rock avalanches and associated displacement wave, Vancouver Island, British Columbia.

Evans, S. G.; Clague, J. J.; Woodsworth, G. J.; Hungr, O., 1989, The Pandemonium Creek rock avalanche, British Columbia.

Thorsen, G. W., 1988, Overview of earthquake-induced water waves in Washington and Oregon.*

Seismic surveys,
see
GEOPHYSICS – SEISMIC SURVEYS
MARINE GEOLOGY – GEOPHYSICS – SEISMIC SURVEYS
and also *see* subdivision – **GEOPHYSICS – SEISMIC SURVEYS** under specific regions, e.g., **BRITISH COLUMBIA – GEOPHYSICS – SEISMIC SURVEYS**

Seismology, *see* **EARTHQUAKES AND SEISMOLOGY**

Sewage, *see* **ENGINEERING GEOLOGY – WASTE AND SEWAGE DISPOSAL**

Shorelines,
see
ENGINEERING GEOLOGY – SHORELINE EROSION
PACIFIC COAST
PUGET LOWLAND – SHORELINES AND SEA LEVEL
STRAIT OF JUAN DE FUCA – SHORELINE

SKAGIT CO., WASH. – AREAL GEOLOGY

Adair, M. J.; Talmage, R. H.; Crosby, T. W.; Testa, S. M., 1989, Geology and seismicity of the Skagit Nuclear Power Plant site.

Bittenbender, P. E., 1991, Mid-Cretaceous orogenesis in the Huckleberry Mountain area, North Cascades, Washington.

Brown, E. H., 1990, Geology of the Skagit crystalline core and northwest Cascades system.

Dragovich, J. D., 1989, Petrology and structure of the Cascade River Schist in the Sibley Creek area, northern Cascades, Washington.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Fugro Northwest, Inc., 1980, Report on additional geologic studies for proposed Copper Creek dam.*

Graham, D. C., 1988, Hydrothermal alteration of serpentinite with the Devils Mountain fault zone, Skagit County, Washington.

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Puget Sound Power and Light Company, 1977, Preliminary safety analysis report, Skagit Nuclear Power Project, Amendment no. 19.

Seattle City Light, 1981, Copper Creek project—Final environmental impact statement.

Tabor, R. W.; Booth, D. B.; Vance, J. A.; Ford, A. B.; Ort, M. H., 1988, Preliminary geologic map of the Sauk River 30 by 60 minute quadrangle, Washington.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

SKAGIT CO., WASH. – BIBLIOGRAPHY

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Skagit County, Washington.

SKAGIT CO., WASH. – EARTHQUAKES AND SEISMOLOGY

Adair, M. J.; Talmage, R. H.; Crosby, T. W.; Testa, S. M., 1989, Geology and seismicity of the Skagit Nuclear Power Plant site.

Puget Sound Power and Light Company, 1977, Preliminary safety analysis report, Skagit Nuclear Power Project, Amendment no. 19.

SKAGIT CO., WASH. – ENGINEERING GEOLOGY

Adair, M. J.; Talmage, R. H.; Crosby, T. W.; Testa, S. M., 1989, Geology and seismicity of the Skagit Nuclear Power Plant site.

Fugro Northwest, Inc., 1980, Report on additional geologic studies for proposed Copper Creek dam.*

Galster, R. W., 1989, Geologic aspects of navigation canals of western Washington.

Puget Sound Power and Light Company, 1977, Preliminary safety analysis report, Skagit Nuclear Power Project, Amendment no. 19.

Seattle City Light, 1981, Copper Creek project—Final environmental impact statement.

SKAGIT CO., WASH. – GLACIAL GEOLOGY

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

SKAGIT CO., WASH. – GUIDEBOOKS

Brown, E. H., 1990, Geology of the Skagit crystalline core and northwest Cascades system.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

SKAGIT CO., WASH. – LANDSLIDES AND SLOPE STABILITY

Eide, Jerry, 1990, A 48-year sediment budget (1942-1989) for Deer Creek basin, Washington.

Logan, R. L., 1989, Slope stability and rural land management—The Marblemount landslide case history.

Maloy, J. A., 1988, Changes in grain-size distribution in a gravel-bed stream due to a point-source influx of fine sediment.

Orme, A. R., 1989, The nature and rate of alluvial fan aggradation in a humid temperate environment, northwest Washington.

Orme, A. R., 1990, Recurrence of debris production under coniferous forest, Cascade foothills, northwest United States.

Ryan, Jim; Cederholm, C. J.; Halloin, L. J.; Thorsen, G. W., 1984, Preliminary report—DeForest Creek landslide of March 1984.

Thorsen, G. W., 1989, Splitting and sagging mountains.

Varnes, D. J.; Radbruch-Hall, D. H.; Savage, W. Z., 1989, Topographic and structural conditions in areas of gravitational spreading of ridges in the western United States.

SKAGIT CO., WASH. – MAPS – GEOLOGIC

Bittenbender, P. E., 1991, Mid-Cretaceous orogenesis in the Huckleberry Mountain area, North Cascades, Washington.

Dragovich, J. D., 1989, Petrology and structure of the Cascade River Schist in the Sibley Creek area, northern Cascades, Washington.

Graham, D. C., 1988, Hydrothermal alteration of serpentinite with the Devils Mountain fault zone, Skagit County, Washington.

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Tabor, R. W.; Booth, D. B.; Vance, J. A.; Ford, A. B.; Ort, M. H., 1988, Preliminary geologic map of the Sauk River 30 by 60 minute quadrangle, Washington.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

SKAGIT CO., WASH. – SEA LEVEL

Beale, Harriet, 1990, Relative rise in sea-level during the late Holocene at six salt marshes in the Puget Basin, Washington.

Grabert, G. F.; Larsen, C. E., 1975, Marine transgressions and cultural adaptation—Preliminary tests of an environmental model.

SKAGIT CO., WASH. – SOILS, SEDIMENTS, AND STRATIGRAPHY

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

Klungland, M. W.; McArthur, Michael, 1989, Soil survey of Skagit County area, Washington.

Maloy, J. A., 1988, Changes in grain-size distribution in a gravel-bed stream due to a point-source influx of fine sediment.

SKAGIT CO., WASH. – STRUCTURAL GEOLOGY AND TECTONICS

Dragovich, J. D., 1989, Petrology and structure of the Cascade River Schist in the Sibley Creek area, northern Cascades, Washington.

Gallagher, M. P.; Brown, E. H.; Walker, N. W., 1988, A new structural and tectonic interpretation of the western part of the Shuksan blueschist terrane, northwestern Washington.

Haugerud, R. A.; Miller, R. B.; Tabor, R. W.; Phillips, W. M., 1991, Ross Lake fault near Gabriel Peak, north Cascades Range, Washington [abstract].

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Maekawa, Hirokazu; Brown, E. H., 1991, Kinematic analysis of the San Juan thrust system, Washington.

Sevigny, J. H.; Brown, E. H., 1989, Geochemistry and tectonic interpretation of some metavolcanic rock units of the western North Cascades, Washington.

SKAGIT NUCLEAR SITE (Skagit Co., Wash.)

Adair, M. J.; Talmage, R. H.; Crosby, T. W.; Testa, S. M., 1989, Geology and seismicity of the Skagit Nuclear Power Plant site.

SKAMANIA CO., WASH. – AREAL GEOLOGY

Bliton, W. S., 1989, Lewis River projects.

Doukas, M. P., 1990, Road guide to volcanic deposits of Mount St. Helens and vicinity, Washington.

Galster, R. W.; Sager, J. W., 1989, Dams of the lower Columbia River—Geologic setting.

Glicken, Harry; Meyer, William; Sabol, M. A., 1989, Geology and ground-water hydrology of Spirit Lake blockage, Mount St. Helens, Washington, with implications for lake retention.

Hodge, E. T., 1932, Report of dam sites on lower Columbia River.

Phillips, W. M., 1991, Geology of the Yacolt Burn State Forest.

Reilly, T. K., 1989, A method for application of geologic information in management of the Gifford Pinchot National Forest.

Sager, J. W., 1989, Bonneville Dam.

Stine, C. M., 1987, Stratigraphy of the Ohanapecosh Formation north of Hamilton Buttes, southcentral Washington.

Swanson, D. A., 1989, Geologic maps of the French Butte and Greenhorn Buttes quadrangles, Washington.

Swanson, D. A., 1991, Geologic map of the Tower Rock quadrangle, southern Cascade Range, Washington.

SKAMANIA CO., WASH. – EARTHQUAKES AND SEISMOLOGY

Weaver, C. S., 1982, Tectonic influence on 1980 activity [abstract].

SKAMANIA CO., WASH. – ENGINEERING GEOLOGY (including soil mechanics)

Bliton, W. S., 1989, Lewis River projects.

Galster, R. W.; Sager, J. W., 1989, Dams of the lower Columbia River—Geologic setting.

Glicken, Harry; Meyer, William; Sabol, M. A., 1989, Geology and ground-water hydrology of Spirit Lake blockage, Mount St. Helens, Washington, with implications for lake retention.

Graham, J. G., 1990, Investigation of a construction fill site, Hamilton Island, near Bonneville Dam, WA [abstract].

Hodge, E. T., 1932, Report of dam sites on lower Columbia River.

Reilly, T. K., 1985, Enclosure 2—Gifford Pinchot National Forest geotechnical road location investigation guidelines. Reilly, T. K., 1989, A method for application of geologic information in management of the Gifford Pinchot National Forest.

Sager, J. W., 1989, Bonneville Dam.

Sager, J. W.; Budai, C. M., 1989, Geology and construction of the Spirit Lake outlet tunnel, Mount St. Helens, Washington.

Tilford, N. R.; Sullivan, J. G., 1981, Lewis River hydroelectric developments.

SKAMANIA CO., WASH. – GEOCHRONOLOGY

Korosec, M. A., 1989, New K-Ar age dates, geochemistry, and stratigraphic data for the Indian Heaven Quaternary volcanic field, south Cascade Range, Washington.

SKAMANIA CO., WASH. – GEOMORPHOLOGY

Paine, A. D. M., 1984, Canyon and terrace formation near Mount St. Helens, Washington.

SKAMANIA CO., WASH. – GEOPHYSICS

Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.

Mitchell, R. J.; Jaeger, D. J.; Diehl, J. F.; Hammond, P. E., 1989, Paleomagnetic results from the Indian Heaven volcanic field, south-central Washington.

SKAMANIA CO., WASH. – GUIDEBOOKS

Doukas, M. P., 1990, Road guide to volcanic deposits of Mount St. Helens and vicinity, Washington.

SKAMANIA CO., WASH. – LANDSLIDES AND SLOPE STABILITY

Reilly, T. K., 1985, Enclosure 2—Gifford Pinchot National Forest geotechnical road location investigation guidelines.

Reilly, T. K., 1985, Geotechnical group developments and activities—Gifford Pinchot National Forest, Region 6.

Reilly, T. K., 1985, Landslide considerations in project design.

SKAMANIA CO., WASH. – MAPS – GEOLOGIC

Glicken, Harry; Meyer, William; Sabol, M. A., 1989, Geology and ground-water hydrology of Spirit Lake blockage, Mount St. Helens, Washington, with implications for lake retention.

Hodge, E. T., 1932, Report of dam sites on lower Columbia River.

Stine, C. M., 1987, Stratigraphy of the Ohanapecosh Formation north of Hamilton Buttes, southcentral Washington.

Swanson, D. A., 1989, Geologic maps of the French Butte and Greenhorn Buttes quadrangles, Washington.

Swanson, D. A., 1991, Geologic map of the Tower Rock quadrangle, southern Cascade Range, Washington.

SKAMANIA CO., WASH. – MAPS – GEOPHYSICAL

Beeson, P. T., 1990, Gravity maps, models and analysis of the greater Portland area, Oregon.

SKAMANIA CO., WASH. – MUDFLOWS AND LAHARS

Major, J. J.; Scott, K. M., 1988, Volcaniclastic sedimentation in the Lewis River valley, Mount St. Helens, Washington—Processes, extent, and hazards.

Skamania Co., Wash. – Soil mechanics, *see* **SKAMANIA CO., WASH. – ENGINEERING GEOLOGY**

SKAMANIA CO., WASH. – SOILS, SEDIMENTS, AND STRATIGRAPHY

Haagen, Edward; and others, 1990, Soil survey of Skamania County area, Washington.

Korosec, M. A., 1989, New K-Ar age dates, geochemistry, and stratigraphic data for the Indian Heaven Quaternary volcanic field, south Cascade Range, Washington.

Stine, C. M., 1987, Stratigraphy of the Ohanapecosh Formation north of Hamilton Buttes, southcentral Washington.

SKAMANIA CO., WASH. – STRUCTURAL GEOLOGY AND TECTONICS

Weaver, C. S., 1982, Tectonic influence on 1980 activity [abstract].

SKAMANIA CO., WASH. – VOLCANISM

Hammond, P. E., 1990, Volcanoes of Washington—Indian Heaven, Washington.

Hammond, P. E., 1990, Volcanoes of Washington—Marble Mountain–Trout Creek Hill zone, Washington.

Swanson, D. A., 1989, Tumtum–Badger Ridge line of Quaternary vents, southern Cascades of Washington [abstract].

Swanson, D. A., 1990, Trends of middle Tertiary dikes in and north of the Dark Divide Roadless Area, southern Washington Cascades [abstract].

Swanson, D. A., 1990, Volcanoes of Washington—St. Helens, Washington.

SNOHOMISH CO., WASH. – AREAL GEOLOGY

Bittenbender, P. E., 1991, Mid-Cretaceous orogenesis in the Huckleberry Mountain area, North Cascades, Washington.

Booth, D. B., 1989, Surficial geologic map of the Granite Falls 15-minute quadrangle, Snohomish County, Washington.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Longtine, M. W., 1991, Mid- to Late Cretaceous structural, metamorphic, and magmatic evolution of the Sloan Peak area, North Cascades, Washington.

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Reller, G. J., 1986, Structure and petrology of the Deer Peaks area, western North Cascades, Washington.

Tabor, R. W.; Booth, D. B.; Vance, J. A.; Ford, A. B.; Ort, M. H., 1988, Preliminary geologic map of the Sauk River 30 by 60 minute quadrangle, Washington.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

SNOHOMISH CO., WASH. – BIBLIOGRAPHY

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Snohomish County, Washington.

SNOHOMISH CO., WASH. – EARTHQUAKES AND SEISMOLOGY

Ballantyne, D. B., 1990, Earthquake loss estimation of the City of Everett lifeline.*

Simmons, J. D., 1973, Supplement to, Preliminary report on the geology of southern Snohomish County.

Washington Surveying and Rating Bureau, 1966, Everett and vicinity, Wn. earthquake map showing general areas of filled or unstable ground.

Zollweg, J. E.; Johnson, P. A., 1989, The Darrington seismic zone of northwestern Washington.

SNOHOMISH CO., WASH. – ENGINEERING GEOLOGY (including soil mechanics)

Arnold, A. B.; Scott, C. T., 1987, Geology and TBM performance in the Blue Mountain tunnel, Sultan River hydroelectric project.

Bliton, W. S., 1989, Sultan River project.

Fuller, S. R.; Sondergaard, J. N.; Fuglevand, P. F., 1989, Stratigraphy and Holocene stability of the Snohomish Rivermouth delta near Port Gardner, Everett, Washington.

Malek, J. F.; Palermo, M. R., 1987, Application of a management strategy for dredging and disposal of contaminated sediments to proposed U.S. Navy Homeport Project at East Waterway, Everett Harbor, Washington.

Rattue, K. G.; Sagstad, S. R., 1989, Hydrogeologic evaluation of the Snohomish County regional landfill.

Sweet, Edwards and Associates, Inc., 1986, Final report—Geotechnical investigation, Snohomish County regional landfill.*

Washington Surveying and Rating Bureau, 1966, Everett and vicinity, Wn. earthquake map showing general areas of filled or unstable ground.

SNOHOMISH CO., WASH. – GEOCHRONOLOGY

Davis, P. T., 1989, Basal radiocarbon ages—A comment.

SNOHOMISH CO., WASH. – GLACIAL GEOLOGY

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

SNOHOMISH CO., WASH. – GUIDEBOOKS

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

SNOHOMISH CO., WASH. – LANDSLIDES AND SLOPE STABILITY

Johnson, A. C., 1991, Effects of landslide–dam-break floods on channel morphology.

Simmons, J. D., 1973, Supplement to, Preliminary report on the geology of southern Snohomish County.

SNOHOMISH CO., WASH. – MAPS – GEOLOGIC

Bittenbender, P. E., 1991, Mid-Cretaceous orogenesis in the Huckleberry Mountain area, North Cascades, Washington.

Booth, D. B., 1989, Surficial geologic map of the Granite Falls 15-minute quadrangle, Snohomish County, Washington.

Longtine, M. W., 1991, Mid- to Late Cretaceous structural, metamorphic, and magmatic evolution of the Sloan Peak area, North Cascades, Washington.

Pessl, Fred, Jr.; Dethier, D. P.; Booth, D. B.; Minard, J. P., 1989, Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Reller, G. J., 1986, Structure and petrology of the Deer Peaks area, western North Cascades, Washington.

Tabor, R. W.; Booth, D. B.; Vance, J. A.; Ford, A. B.; Ort, M. H., 1988, Preliminary geologic map of the Sauk River 30 by 60 minute quadrangle, Washington.

Whetten, J. T.; Carroll, P. I.; Gower, H. D.; Brown, E. H.; Pessl, Fred, Jr., 1988, Bedrock geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington.

Yount, J. C.; Gower, H. D., 1991, Bedrock geologic map of the Seattle 30′ by 60′ quadrangle, Washington.

SNOHOMISH CO., WASH. – RIVER AND STREAM MORPHOLOGY

Johnson, A. C., 1991, Effects of landslide–dam-break floods on channel morphology.

Snohomish Co., Wash. – Soil mechanics, *see* **SNOHOMISH CO., WASH. – ENGINEERING GEOLOGY**

SNOHOMISH CO., WASH. – SOILS, SEDIMENTS, AND STRATIGRAPHY

Fuller, S. R.; Sondergaard, J. N.; Fuglevand, P. F., 1989, Stratigraphy and Holocene stability of the Snohomish Rivermouth delta near Port Gardner, Everett, Washington.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

Malek, J. F.; Palermo, M. R., 1987, Application of a management strategy for dredging and disposal of contaminated sediments to proposed U.S. Navy Homeport Project at East Waterway, Everett Harbor, Washington.

Purser, M. D., 1988, The impact of clearcut logging with high-lead yarding on spatial distribution and variability of infiltration capacities on a forest hillslope.

SNOHOMISH CO., WASH. – STRUCTURAL GEOLOGY AND TECTONICS

Longtine, M. W., 1991, Mid- to Late Cretaceous structural, metamorphic, and magmatic evolution of the Sloan Peak area, North Cascades, Washington.

Longtine, M. W.; Walker, N. W., 1990, Evidence for Late Cretaceous N-S dextral shear in the west-central crystalline core, North Cascades, Washington [abstract].

Reller, G. J., 1986, Structure and petrology of the Deer Peaks area, western North Cascades, Washington.

Zollweg, J. E.; Johnson, P. A., 1989, The Darrington seismic zone of northwestern Washington.

SNOHOMISH CO., WASH. – VOLCANISM

Beget, J. E., 1990, Volcanoes of Washington—Glacier Peak, Washington.

Soil mechanics,
see
EARTHQUAKE-INDUCED LANDSLIDES
EARTHQUAKE-INDUCED LIQUEFACTION
ENGINEERING GEOLOGY – SOIL MECHANICS and ROCK MECHANICS
FOREST SOIL AND SLOPE STABILITY

SOILS

see also
LOESS
SEDIMENTS AND SEDIMENTOLOGY

Burke, R. M.; Carver, G. A., 1987, Soil development used as an indicator of fault scarp age and interseismic time, northwest California [abstract].

Burke, R. M.; Carver, G. A., 1989, The degree of soil development from buried soils formed in fault-generated colluviums reflect interseismic time, northern California [abstract].

Dethier, D. P., 1988, The soil chronosequence along the Cowlitz River, Washington.

Goldin, Alan, 1988, Statistical comparison of the 1941 and 1983 soil survey maps of Whatcom County, Washington.

Haagen, Edward; and others, 1990, Soil survey of Skamania County area, Washington.

Klungland, M. W.; McArthur, Michael, 1989, Soil survey of Skagit County area, Washington.

Pringle, R. F., 1990, Soil survey of Thurston County, Washington.

Purser, M. D., 1988, The impact of clearcut logging with high-lead yarding on spatial distribution and variability of infiltration capacities on a forest hillslope.

Sabol, M. A.; Turney, G. L.; Ryals, G. N., 1988, Evaluation of available data on the geohydrology, soil chemistry, and ground-water chemistry of Gas Works Park and surrounding region, Seattle, Washington.

Sugden, B. D.; Cundy, T. W., 1990, Characterization of soils in a forested hollow in the Cascade mountains, Washington State [abstract].

SOUTHWESTERN WASHINGTON

Note: Regional materials on Southwestern Washington are listed here. Specific materials within Southwestern Washington are listed under the counties:

CLARK CO., WASH.

COWLITZ CO., WASH.

GRAYS HARBOR CO., WASH.

KLICKITAT CO., WASH.

LEWIS CO., WASH.

PACIFIC CO., WASH.

SKAMANIA CO., WASH.

WAHKIAKUM CO., WASH.

Atwater, B. F., 1988, Geologic studies for seismic zonation of the Puget Lowland.

Cohee, B. P.; Somerville, P. G.; Sen, M. K., 1989, Strong ground motions in the Seattle–Portland region from hypothesized M_w=8 subduction earthquake [abstract].

Egbert, G. D.; Booker, J. R., 1990, Geomagnetic array studies in southwestern Washington [abstract].

Finn, Carol, 1989, Structure of the convergent Washington margin.

Palmer, S. P., 1989, Stratigraphic and structural interpretation of Willapa Basin [abstract].

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Yelin, T. S.; Patton, H. J., 1989, Seismotectonics of the Portland, Oregon region [abstract].

STRAIGHT CREEK FAULT

Ague, J. J.; Brandon, M. T., 1990, Restoration of offset along the Straight Creek–Fraser fault system, Washington State and British Columbia [abstract].

Miller, M. G., 1988, Possible pre-Cenozoic left-lateral slip on the Yalakom fault, southwestern British Columbia.

Varnes, D. J.; Radbruch-Hall, D. H.; Savage, W. Z., 1989, Topographic and structural conditions in areas of gravitational spreading of ridges in the western United States.

Strait of Georgia, *see* **BRITISH COLUMBIA – STRAIT OF GEORGIA**

STRAIT OF JUAN DE FUCA

Currie, R. G.; Verhoef, J., 1989, Marine magnetic anomalies off western Canada—The Strait of Juan de Fuca to Dixon entrance [abstract].

Galster, R. W., 1987, A survey of coastal engineering geology in the Pacific Northwest.

Galster, R. W., 1989, Ediz Hook—A case history of coastal erosion and mitigation.

Harding, S. T., 1988, Investigation of seismic-wave propagation for determination of crustal structure.

Harding, S. T.; Agena, W.; Nichols, D.; Lee, M., 1989, Small-boat, multi-channel, high-resolution seismic reflection survey in Puget Sound and the Strait of Juan de Fuca.

Kilby, C. E., 1990, Nearshore surficial geology and heavy mineral assemblages, northern Strait of Juan de Fuca [abstract].

Kluesberg, Alfred; Georgiadou, Yola; Dragert, Herb, 1988, Establishment of crustal deformation networks using GPS—A case study.

Lisowski, Michael; Prescott, W. H.; Dragert, Herb; Holdahl, S. R., 1989, Results from 1986 and 1987 GPS surveys across the Strait of Juan de Fuca, Washington and British Columbia [abstract].

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; Dragert, Herb, 1987, Strain accumulation across the Strait of Juan de Fuca and in the Olympic Mountains, Washington [abstract].

Murty, T. S.; Hebenstreit, G. T., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America, Part 2—Strait of Georgia, Juan de Fuca Strait, and Puget Sound.

Prescott, W. H.; Savage, J. C.; Lisowski, Michael; Davis, J. L.; Svarc, J. L.; Gross, W. K., 1989, Crustal strain.

STRATIGRAPHIC CORRELATION

Mothersill, J. S., 1990, The paleomagnetic and tephra record of Mara Lake, south-central British Columbia [abstract].

Mothersill, J. S.; Fraser, J. D., 1989, The postglacial paleomagnetic record for Vancouver Island [abstract].

STRATIGRAPHIC NOMENCLATURE

England, T. D. J., 1989, Lithostratigraphy of the Nanaimo Group, Georgia Basin, southwestern British Columbia.

Noble, J. B., 1990, Proposed revision of nomenclature for the Pleistocene stratigraphy of coastal Pierce County, Washington.

STRATIGRAPHY – BRITISH COLUMBIA

Bazett, D. J.; McCammon, N. R., 1986, Foundations of the Annacis cable-stayed bridge.

Bustin, R. M., 1990, Stratigraphy, sedimentology, and petroleum source rock potential of the Georgia Basin, southwest British Columbia and northwest Washington State.

England, T. D. J., 1989, Lithostratigraphy of the Nanaimo Group, Georgia Basin, southwestern British Columbia.

England, T. D. J.; Hiscott, R. N., 1991, Upper Nanaimo Group and younger strata, outer Gulf Islands, southwestern British Columbia.

Haggart, J. W., 1991, A new assessment of the age of the basal Nanaimo Group, Gulf Islands, British Columbia.

Hamilton, T. S., 1991, Seismic stratigraphic evidence for the distribution and facies of thick glaciomarine deposits beneath the Strait of Georgia and adjacent fjords [abstract].

Hamilton, T. S.; Hart, B. S., 1991, The physiography, structure and growth of the Fraser Delta front—Strait of Georgia, British Columbia [abstract].

Luternauer, J. L.; Clague, J. J.; Feeney, T. D., 1991, A 367 m core from southwestern Fraser River delta, British Columbia.

Luternauer, J. L.; Finn, W. D. L., 1983, Stability of the Fraser River delta front.

Lynch, J. V. G., 1990, Georgia Basin project—Stratigraphy and structure of Gambier Group rocks in the Howe Sound–Mamquam River area, southwest Coast Belt, British Columbia.

Mothersill, J. S., 1990, The paleomagnetic and tephra record of Mara Lake, south-central British Columbia [abstract].

Mothersill, J. S.; Fraser, J. D., 1989, The postglacial paleomagnetic record for Vancouver Island [abstract].

Nobes, D. C.; Hamilton, T. S.; Cartwright, P., 1990, Structure of the southwestern Fraser River delta as determined from geoelectric sounding.

Roberts, M. C., 1990, Sedimentary framework of the northern section of Fraser River delta, British Columbia [abstract].

Roberts, M. C.; Williams, H. F. L.; Luternauer, J. L.; Cameron, B. E. B., 1985, Sedimentary framework of the Fraser River delta, British Columbia—Preliminary field and laboratory results.

Williams, H. F. L.; Luternauer, J. L., 1990, Shallow structure and growth of the southern Fraser River delta—Preliminary field results.

STRATIGRAPHY – OREGON

Ake, Jon; Markiewicz, R. D.; Butler, David; Harrell, H. C., 1988, Impact of shallow seismic exploration on engineering decisions at Cold Springs Dam, Oregon [abstract].

Barber, J. H., Jr.; Nelson, C. H., 1987, Seismic stratigraphy of post-collapse sediments in Crater Lake caldera [abstract].

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Nelson, A. R.; Personius, S. F., 1988, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late-Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.

Smith, G. A.; Snee, L. W., 1984, Revised stratigraphy of the Deschutes basin, Oregon—Implications for the Neogene development of the central Oregon Cascades [abstract].

STRATIGRAPHY – WASHINGTON

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Buchanan-Banks, J. M., 1990, Depth to bedrock map in the greater Tacoma area, Washington.*

Bustin, R. M., 1990, Stratigraphy, sedimentology, and petroleum source rock potential of the Georgia Basin, southwest British Columbia and northwest Washington State.

Dengler, Lori; Montgomery, D. R., 1989, Estimating the thickness of colluvial fill in unchanneled valleys from surface topography.

Dethier, D. P., 1988, The soil chronosequence along the Cowlitz River, Washington.

Dragovich, J. D.; Cary, J. A.; Brown, E. H., 1989, Stratigraphic and structural relations of the Cascade River schist, North Cascades, Washington [abstract].

England, T. D. J., 1989, Lithostratigraphy of the Nanaimo Group, Georgia Basin, southwestern British Columbia.

Haase, P. C., 1987, Glacial stratigraphy and landscape evolution of the north-central Puget Lowland, Washington.

Johnson, S. Y., 1985, Stratigraphy and sedimentology of the Eocene Chuckanut Formation on Bellingham Bay, Washington.

Korosec, M. A., 1989, New K-Ar age dates, geochemistry, and stratigraphic data for the Indian Heaven Quaternary volcanic field, south Cascade Range, Washington.

McCrory, P. A., 1990, Active margin tectonics, Pacific Northwest region.

Miller, D. J.; Parks, D. S., 1990, The use of refraction seismology in the characterization of bedrock morphology under a forest soils horizon [abstract].

Noble, J. B., 1990, Proposed revision of nomenclature for the Pleistocene stratigraphy of coastal Pierce County, Washington.

Palmer, S. P., 1989, Stratigraphic and structural interpretation of Willapa Basin [abstract].

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

Peterson, C. D.; Phipps, J. B., 1987, Seismic stratigraphy of the Holocene transgressive sequence in Grays Harbor, Washington, a shelf-barrier–estuarine transect from an active-margin coast [abstract].

Pettit, D. J., 1990, The use of seismic refraction in determining sand thickness at selected beach sites in the Pacific Northwest [abstract].

Stine, C. M., 1987, Stratigraphy of the Ohanapecosh Formation north of Hamilton Buttes, southcentral Washington.

West, L. M.; Noble, J. B., 1989, Hydrostratigraphy of the Clover/Chambers Creek basin, Pierce County, Washington.

Yount, J. C.; Vick, G. S.; McCoy, Gail, 1990, Geotechnical drill-hole logs from the southern Seattle area, Washington.

Stream morphology, ***see*** **RIVER MORPHOLOGY**

STREAM SEDIMENTS

Berger, G. W.; Luternauer, J. L.; Clague, J. J., 1990, Zeroing tests and application of thermoluminescence dating to Fraser River delta sediments.*

Brierley, G. J., 1991, Bar sedimentology of the Squamish River, British Columbia—Definition and application of morpho-strati-graphic units.

Brown, B. J., 1987, Sediment transport in hyperconcentrated flows in sand-bed streams of volcanic origin.*

Dietrich, W. E., 1982, Construction of sediment budgets for drainage basins.

Eide, Jerry, 1990, A 48-year sediment budget (1942-1989) for Deer Creek basin, Washington.

Ilersich, S. A.; Kostaschuk, R. A.; Luternauer, J. L., 1990, Relationships between bed-material load and bedform migration—Fraser River estuary, British Columbia [abstract].

Kostaschuk, R. A.; Church, M. A.; Luternauer, J. L., 1991, Acoustic images of turbulent flow structures in Fraser River estuary, British Columbia.

Kostaschuk, R. A.; Ilersich, S. A.; Luternauer, J. L., 1990, Relationships between bed-material load and bedform migration, Fraser River estuary, British Columbia.

Kostaschuk, R. A.; Luternauer, J. L.; McKenna, G. T.; Moslow, T. F., 1990, Morphology and sediment transport in a submarine channel system—Fraser River delta, British Columbia [abstract].

Kostaschuk, R. A.; Stephan, B. A.; Luternauer, J. L., 1989, Sediment dynamics and implications for submarine landslides at the mouth of the Fraser River, British Columbia.

Lasmanis, Raymond, 1990, Mount St. Helens sediment retention structure.

MacDonald, Anne; Ritland, K. W., 1989, Sediment dynamics in type 4 and 5 waters—A review and synthesis.

Madej, M. A., 1982, Sediment transport and channel changes in an aggrading stream in the Puget Lowland, Washington.

Maloy, J. A., 1988, Changes in grain-size distribution in a gravel-bed stream due to a point-source influx of fine sediment.

McCracken, Bruce, 1989, Storing sediment and freeing fish.

Meyer, D. F., 1990, Effects of the release from Spirit Lake on South Fork Coldwater Valley.

Moslow, T. F.; Luternauer, J. L.; Kostaschuk, R. A., 1991, Patterns and rates of sedimentation on the Fraser River delta slope, British Columbia.

Perkins, S. J., 1989, Interactions of landslide-supplied sediment with channel morphology in forested watersheds.

Schreier, H., 1987, Asbestos fibres introduce trace metals into streamwater and sediments.

Swanson, F. J.; Benda, L. E.; Duncan, S. H.; Grant, G. E.; Megahan, W. F.; Reid, L. M.; Ziemer, R. R., 1987, Mass failures and other processes of sediment production in Pacific Northwest forest landscapes.

STRUCTURAL GEOLOGY AND TECTONICS [GENERAL OR REGIONAL WORKS]

Atwater, Tanya, 1989, Plate tectonic history of the northeast Pacific and western North America.

Bilodeau, W. L., 1988, Sedimentation and basin evolution along the Mesozoic margin of western North America [abstract].

Booker, J. R.; Chave, A. D., 1989, Introduction to the special section on the EMSLAB–Juan de Fuca experiment.

Braile, L. W.; Hinze, W. J.; Von Frese, R. R. B.; Keller, G. R., 1989, Seismic properties of the crust and uppermost mantle of the conterminous United States and adjacent Canada.

Catchings, R. D., 1989, Crustal structure and tectonics of the northwestern U.S. [abstract].

Drummond, K. J., chairman; and others, 1982, rev. 1984, Plate-tectonic map of the circum-Pacific region, Pacific Basin sheet.

Elison, M. W., 1991, Intracontinental contraction in western North America—Continuity and episodicity.

Fox, K. F., Jr.; Engebretson, D. C., 1982, Tectonic analysis, Washington [abstract].

Hamilton, W. B., 1989, Crustal geologic processes of the United States.

Hearn, Thomas; Beghoul, Noureddine; Barazangi, Muawia, 1991, Tomography of the western United States from regional arrival times.

Howell, D. G.; Moore, G. W.; Wiley, T. J., 1987, Tectonics and basin evolution of western North America—An overview.

Humphreys, E. D., 1989, Tectonic activity in the western U.S.—The role of the mantle [abstract].

Hyndman, R. D.; Weichert, D. H., 1983, Seismicity and rates of relative motion on the plate boundaries of western North America.

Iyer, H. M.; Hitchcock, T., 1989, Upper-mantle velocity structure in the continental U.S. and Canada.

Jachens, R. C.; Simpson, R. W.; Blakely, R. J.; Saltus, R. W., 1989, Isostatic residual gravity and crustal geology of the United States.

Jurdy, D. M.; Stefanick, Michael, 1986, Errors in plate reconstruction [abstract].

Kane, M. F.; Godson, R. H., 1989, A crust/-mantle structural framework of the conterminous United States based on gravity and magnetic trends.

Keller, G. V., 1989, Electrical structure of the crust and upper mantle beneath the United States; Part 2, Survey of data and interpretation.

McCrumb, D. R.; Galster, R. W.; Crosson, R. S.; Ludwin, R. S.; West, D. O.; Hancock, W. E.; Mann, L. V., 1989, Tectonics, seismicity, and engineering seismology in Washington.

Mooney, W. D.; Weaver, C. S., 1989, Regional crustal structure and tectonics of the Pacific coastal states; California, Oregon, and Washington.

Moore, G. W., 1984, Plate-tectonic map of the circum-Pacific region explanatory notes [abstract].

Mundal, Ivar; Ukawa, Motoo; Crosson, R. S., 1989, Investigation of deep crustal and uppermost mantle structure in the Pacific Northwest through subcrustal earthquakes [abstract].

Pollitz, F. F., 1988, Episodic North America and Pacific plate motions.

Rubin, C. M.; Saleeby, J. B.; Cowan, D. S.; McGroder, M. F.; Brandon, M. T., 1988, Late Mesozoic compressional tectonism—Development of a west-vergent thrust system in the northwestern Cordillera [abstract].

Shedlock, K. M.; Weaver, C. S.; Oppenheimer, D.; King, G. C. P., 1989, Seismic deformation in the Pacific Northwest [abstract].

Smithson, S. B.; Johnson, R. A., 1989, Crustal structure of the western U.S. based on reflection seismology.

Stock, Joann; Molnar, Peter, 1986, Quantified uncertainties in the relative positions of the Pacific, Farallon, Kula, and North American plates in the Tertiary [abstract].

Wernicke, B. P.; Christiansen, R. L.; England, P. C.; Sonder, L. J., 1987, Tectonomagmatic evolution of Cenozoic extension in the North American Cordillera.

Zen, E-an, 1988, Tectonic significance of high-pressure plutonic rocks in the western cordillera of North America.

STRUCTURAL GEOLOGY AND TECTONICS – ACCRETION AND ACCRETED TERRANES [REGIONAL WORKS]

Avé Lallemant, H. G.; Oldow, J. S., 1988, Early Mesozoic southward migration of Cordilleran transpressional terranes.

Byrne, Tim; Hibbard, Jim, 1987, Landward vergence in accretionary prisms—The role of the backstop and thermal history.

Coney, P. J.; Jones, D. L.; Monger, J. W. H., 1980, Cordilleran suspect terranes.

Potter, C. J., 1989, The deep structure of North American accreted terranes from deep seismic reflection data.

Silberling, N. J.; Jones, D. L.; Blake, M. C., Jr.; Howell, D. B., 1987, Lithotectonic terrane map of the western conterminous United States.

STRUCTURAL GEOLOGY AND TECTONICS – ACCRETION AND ACCRETED TERRANES – BRITISH COLUMBIA

Brandon, M. T., 1984, Deformational processes affecting unlithified sediments at active margins—A field study and a structural model.

Brandon, M. T., 1986, Comment and reply on "Comments on the growth of accretionary wedges"—Comment.

Calvert, A. J.; Clowes, R. M., 1989, The reflectivity of the accretionary complex of western Canada [abstract].

Calvert, A. J.; Clowes, R. M., 1990, Reflections from the accreted margin western Canada—Evidence for the migration of fluids and a major shear zone above the subducting plate [abstract].

Clowes, R. M., 1984, Transect B2—Lithospheric structure across an accretionary margin off western Canada [abstract].

Danner, W. R., 1988, Paleontological constraints on the accreted terranes of British Columbia and Washington [abstract].

Dehler, S. A.; Clowes, R. M., 1990, Structure of the Cascadia accretionary margin of western Canada from geophysical analyses [abstract].

Hyndman, R. D.; Davis, E. E., 1989, The Cascadia accretionary prism at Vancouver Island—Thermal and pore pressure constraints on the zone of subduction thrust earthquake failure [abstract].

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Clowes, R. M., 1989, The northern Cascadia subduction zone at Vancouver Island—Structure, history and sediment accretion processes [abstract].

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Rohr, K. M. M.; Law, L. K., 1989, Vancouver Island accretionary sedimentary prism [abstract].

Lambert, R. St J.; Chamberlain, V. E., 1988, Cordilleria revisited, with a three-dimensional model for Cretaceous tectonics in British Columbia.

Monger, J. W. H., 1988, Accretionary complexes—Structures forming Cordilleran crust [abstract].

Silver, E. A.; Breen, N. A.; Ellis, M. J.; Shipley, T. H., 1986, Comment and reply on "Comments on the growth of accretionary wedges"—Reply.

Umhoefer, P. J., 1987, Northward translation of "Baja British Columbia" along a Late Cretaceous to Paleocene transform margin at the western edge of North America [abstract].

Umhoefer, P. J.; Dragovich, J. D.; Cary, J. A.; Engebretson, D. C., 1989, Refinements of the "Baja British Columbia" plate-tectonic model for northward translation along the margin of western North America.

Yorath, C. J.; Davis, E. E., 1988, Cenozoic accretion history of the Vancouver Island continental margin [abstract].

Yorath, C. J.; Hyndman, R. D.; Clowes, R. M., 1987, Structure and accretion style of the modern convergent margin of western Canada [abstract].

Yorath, C. J.; Massey, N. W. D., 1989, Tertiary accretion history of the Vancouver Island continental margin [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – ACCRETION AND ACCRETED TERRANES – OREGON

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Cochrane, G. R.; Moore, J. C.; MacKay, M. E.; Moore, G. F., 1990, Fluid flow in the Oregon accretionary prism from seismic data and vents [abstract].

Heller, P. L., 1984, Tectonic rotation and basin development during mid-Tertiary extension in the Pacific Northwest [abstract].

Henry, P.; Wang, C.-Y., 1990, Modeling of fluid flow and pore pressure at the toe of the Oregon and Barbados accretionary wedges [abstract].

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

MacKay, M. E.; Moore, G. F.; Cochrane, G. R.; Moore, J. C.; Kulm, L. D., 1990, Landward vergence, oblique structural trends, and tectonic segmentation in the Oregon margin accretionary prism [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – ACCRETION AND ACCRETED TERRANES – WASHINGTON

Bogue, S. W.; Cowan, D. S.; Garver, J. I., 1989, Paleomagnetic evidence for poleward transport of Upper Jurassic rocks in the Decatur terrane, San Juan Islands, Washington.

Boyer, S. E.; Lingley, W. S., Jr., 1991, Structure and kinematics of the Olympic subduction complex, NW Washington, and implications for mechanical models of accretionary prisms [abstract].

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Danner, W. R., 1988, Paleontological constraints on the accreted terranes of British Columbia and Washington [abstract].

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

McGroder, M. F., 1988, Structural evolution of the eastern Cascades foldbelt—Implications for late Mesozoic accretionary tectonics in the Pacific Northwest.*

Tabor, R. W.; Haugerud, R. A.; Brown, E. H.; Babcock, R. S.; Miller, R. B., 1989, Accreted terranes of the North Cascades Range, Washington—Spokane to Seattle, Washington July 21-29, 1989.

STRUCTURAL GEOLOGY AND TECTONICS – BLOCK ROTATION

Butler, R. F.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1989, Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?*

Heller, P. L., 1984, Tectonic rotation and basin development during mid-Tertiary extension in the Pacific Northwest [abstract]

Irving, E.; Yole, R. W., 1987, Tectonic rotations and translations in western Canada—New evidence from Jurassic rocks of Vancouver Island.

Weaver, C. S.; Guffanti, Marianne, 1990, The fabric of late Cenozoic volcanism in the Cascade Range, Mount Rainier to Mount Hood—Crustal blocks, crustal tectonics and subduction zone considerations [abstract].

Wells, R. E., 1984, Paleomagnetic constraints on the interpretation of early Cenozoic Pacific Northwest paleogeography.

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.*

STRUCTURAL GEOLOGY AND TECTONICS – BRITISH COLUMBIA [REGIONAL WORKS]

Calvert, A. J.; Clowes, R. M., 1989, The reflectivity of the accretionary complex of western Canada [abstract].

Clowes, R. M., 1984, Transect B2—Lithospheric structure across an accretionary margin off western Canada [abstract].

Cumming, W. B.; Clowes, R. M.; Ellis, R. M., 1979, Crustal structure from a seismic refraction profile across southern British Columbia.

Danner, W. R., 1988, Paleontological constraints on the accreted terranes of British Columbia and Washington [abstract].

Dehler, S. A.; Clowes, R. M., 1990, Structure of the Cascadia accretionary margin of western Canada from geophysical analyses [abstract].

Dragert, Herb, 1989, Crustal deformation measurements on Canada's west coast—An update [abstract].

Gough, D. I., 1991, New evidence that upper mantle convection drives the plates and implications for the Canadian Cordillera [abstract].

Hyndman, R. D., 1987, A review of the present plate regime along the British Columbia and Washington margin [abstract].

Irving, E.; Thorkelson, D. J., 1990, On determining paleohorizontal and latitudinal shifts—Paleomagnetism of Spences Bridge Group, British Columbia.

Kanasewich, E. R.; Burianyk, M. J. A., 1990, Western Canadian LITHOPROBE profiles and seismicity [abstract].

Lambert, R. St J.; Chamberlain, V. E., 1988, Cordilleria revisited, with a three-dimensional model for Cretaceous tectonics in British Columbia.

McKirdy, D. M.; Gough, D. I.; Woods, D. V.; Geiger, H. D., 1987, Conductive structures beneath the EMSLAB land array [abstract].

Monger, J. W. H., 1988, Accretionary complexes—Structures forming Cordilleran crust [abstract].

Monger, J. W. H.; Clowes, R. M.; Currie, R. G.; Höy, Trygve; Hyndman, R. D.; Preto, V. A.; Price, R. A.; Riddihough, R. P.; Simony, P. S.; and others, 1982, Southern Canadian Cordillera—Transect B2 [abstract].

Morgan, Joanna; Warner, Mike, 1990, Interpretation of a combined refraction and reflection profile across the western Canadian active margin.

Riddihough, R. P., 1982, Contemporary vertical movements and tectonics on Canada's west coast [abstract].

Riddihough, R. P., 1982, One hundred million years of plate tectonics in western Canada.

Rogers, J. S.; Jones, F. W.; Dragert, Herb; Hutchence, K., 1983, Tiltmeter measurements in western Canada [abstract].

Savage, J. C.; Lisowski, Michael, 1988, Geodetic deformation measured in Washington and British Columbia.

Umhoefer, P. J., 1987, Northward translation of "Baja British Columbia" along a Late Cretaceous to Paleocene transform margin at the western edge of North America [abstract].

Umhoefer, P. J.; Dragovich, J. D.; Cary, J. A.; Engebretson, D. C., 1989, Refinements of the "Baja British Columbia" plate-tectonic model for northward translation along the margin of western North America.

Varsek, J. L.; Cook, F. A.; Clowes, R. M.; Spencer, C.; Kanasewich, E. R., 1989, LITHOPROBE reflection traverse of southern British Columbia [abstract].

Wheeler, J. O.; McFeely, P., 1987, Tectonic assemblage map of the Canadian cordillera and adjacent parts of the United States of America.*

Wickens, A. J., 1977, The upper mantle of southern British Columbia.

Yorath, C. J.; Hyndman, R. D.; Clowes, R. M., 1987, Structure and accretion style of the modern convergent margin of western Canada [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – BRITISH COLUMBIA – CASCADE MOUNTAINS and COAST PLUTONIC COMPLEX

Ague, J. J.; Brandon, M. T., 1990, Restoration of offset along the Straight Creek–Fraser fault system, Washington State and British Columbia [abstract].

Brown, E. H., 1988, Metamorphic and structural history of the northwest Cascades, Washington and British Columbia.

Brown, E. H.; Talbot, J. L., 1989, Late Mesozoic kinematic history of the North Cascades, Washington, and southern Coast Mountains, British Columbia [abstract].

Butler, R. F.; Dickinson, W. R.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Reply.

Butler, R. F.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1989, Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?*

Coleman, M. E.; Parrish, R. R., 1990, Eocene deformation in the Bridge River terrane, B.C.—Constraints on dextral movement on the Fraser fault [abstract].

Journeay, J. M., 1989, Late Mesozoic and Cenozoic fault systems of the southern coast belt [abstract].

Journeay, J. M.; Csontos, L., 1989, Preliminary report on the structural setting along the southeast flank of the Coast Belt, British Columbia.

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1989, Thermal structure of the northern (Canadian) Cascades.

Lowes, B. E., 1972, Metamorphic petrology and structural geology of the area east of Harrison Lake, British Columbia.

Maxon, J. A., 1991, $^{40}Ar/^{39}Ar$ evidence for the timing and tectonics of basin closure—Tyaughton basin, southwest British Columbia [abstract].

McGroder, M. F., 1989, Structural geometry and kinematic evolution of the eastern Cascades foldbelt, Washington and British Columbia.

McGroder, M. F., 1991, Reconciliation of two-sided thrusting, burial metamorphism, and diachronous uplift in the Cascades of Washington and British Columbia.

Miller, M. G., 1988, Possible pre-Cenozoic left-lateral slip on the Yalakom fault, southwestern British Columbia.

Miller, R. B.; Johnson, S. Y.; McDougall, J. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Comment.

Monger, J. W. H.; Journeay, J. M.; Mustard, P. S.; Friedman, R. M., 1991, Nature of the Coast Belt, western Canadian Cordillera [abstract].

Monger, J. W. H.; Price, R. A., 1979, Geodynamic evolution of the Canadian Cordillera—Progress and problems.

Parrish, R. R., 1982, Application of fission track dating to the Cenozoic tectonic and thermal history of the Coast Mountains of British Columbia, southwest Canada [abstract].

Rusmore, M. E.; Woodsworth, G. J., 1988, Eastern margin of the Coast Plutonic Complex, Mount Waddington map area, B.C.

Rusmore, M. E.; Woodsworth, G. J., 1991, Coast Plutonic Complex—A mid-Cretaceous contractional orogen.

Talbot, J. L.; Hurban, G. K., 1990, Transition from orogen-normal contraction to orogen-parallel shear in the Cascade core, WA, and the southern Coast Plutonic Complex, BC [abstract].

Umhoefer, P. J.; Magloughlin, J. F., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large-scale displacement?"; Comment.

Van der Heyden, Peter; Woodworth, G. J., 1988, Tectonic evolution of the coast plutonic complex, British Columbia—Implications of new U-Pb and K-Ar dates [abstract].

White, D. J.; Clowes, R. M., 1984, Seismic investigation of the Coast Plutonic Complex–Insular Belt boundary beneath the Strait of Georgia.

STRUCTURAL GEOLOGY AND TECTONICS – BRITISH COLUMBIA – CONTINENTAL MARGIN

Clowes, R. M.; Spence, G. D.; Ellis, R. M.; Waldron, D. A., 1986, Structure of the lithosphere in a young subduction zone—Results from reflection and refraction studies.

DeLaurier, J. M.; Auld, D. R.; Law, L. K., 1983, The geomagnetic response across the continental margin off Vancouver Island—Comparison of results from numerical modelling and field data.

Hyndman, R. D.; Herzer, R. H.; Riddihough, R. P., 1978, The Nootka fault zone—A new plate boundary off western Canada [abstract].

Kurtz, R. D.; Gupta, J. C.; DeLaurier, J. M., 1987, The electrical conductivity structure in the active subduction zone beneath Vancouver Island [abstract].

Riddihough, R. P., 1977, Recent plate tectonics off Canada's west coast [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – BRITISH COLUMBIA – FRASER DELTA–GEORGIA BASIN AREA (Northern Puget Sound)

Bustin, R. M., 1990, Stratigraphy, sedimentology, and petroleum source rock potential of the Georgia Basin, southwest British Columbia and northwest Washington State.

England, T. D. J., 1988, Stratigraphy and structure of the Nanaimo Basin, southwestern British Columbia [abstract].

England, T. D. J.; Calon, T. J., 1990, Late Cretaceous to Paleogene structural evolution of Georgia Basin, southwestern British Columbia [abstract].

Hamilton, T. S.; Monger, J. W. H., 1990, Georgia Basin—Regional geology, tectonics and hydrocarbon potential [abstract].

Lynch, J. V. G., 1990, Georgia Basin project—Stratigraphy and structure of Gambier Group rocks in the Howe Sound–Mamquam River area, southwest Coast Belt, British Columbia.

Monger, J. W. H., 1990, Georgia Basin project—Structural evolution of parts of southern Insular and southwestern Coast belts, British Columbia.

Monger, J. W. H., 1990, Georgia Basin—Regional setting and adjacent Coast Mountains geology, British Columbia.

Monger, J. W. H., 1990, Regional structural setting of Vancouver, British Columbia [abstract].

Monger, J. W. H., 1991, Continent-ocean interactions built Vancouver's foundations.

Mustard, P. S.; Monger, J. W. H., 1991, Upper Cretaceous–Tertiary Georgia Basin, British Columbia—Forearc or foreland? [abstract].

Rogers, G. C., 1983, Seismotectonics of British Columbia [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – BRITISH COLUMBIA – VANCOUVER ISLAND

Agarwal, A.; Dosso, H. W., 1990, A three dimensional thin sheet numerical model study of EM induction in the Vancouver Island region [abstract].

Armstrong, R. L.; Muller, J. E.; Harakal, J. E.; Muehlenbachs, K., 1985, The Neogene Alert Bay volcanic belt of northern Vancouver Island, Canada—Descending-plate-edge volcanism in the arc-trench gap.

Bobrowsky, P. T.; Clague, J. J., 1990, Neotectonic investigations on western Vancouver Island, British Columbia.

Brandon, M. T., 1984, Deformational processes affecting unlithified sediments at active margins—A field study and a structural model.

Brandon, M. T., 1986, Comment and reply on "Comments on the growth of accretionary wedges"—Comment.

Brandon, M. T., 1989, Deformational styles in a sequence of olistostromal melanges, Pacific Rim Complex, western Vancouver Island, Canada.

Brandon, M. T.; Davis, E. E.; Dragert, Herb; Hudson, R. D., 1987, The potential for geodetic monitoring of aseismic slip at the surface trace of the Vancouver Island subduction thrust [abstract].

Calvert, A. J.; Clowes, R. M., 1990, Deep, high-amplitude reflections from a major shear zone above the subducting Juan de Fuca plate.

Calvert, A. J.; Clowes, R. M., 1990, Reflections from the accreted margin western Canada—Evidence for the migration of fluids and a major shear zone above the subducting plate [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, The subduction geometry beneath southwestern British Columbia determined from teleseismic P-waveform analysis [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, Teleseismic P wave receiver function analysis in the Cascadia subduction zone [abstract].

Cassidy, J. F.; Ellis, R. M., 1990, The shear-velocity structure of the crust and upper mantle across the northern Cascadia subduction zone [abstract].

Chiu, S. K. L.; Kanasewich, E. R.; Phadke, Suhas, 1986, Three-dimensional determination of structure and velocity by seismic tomography.

Clowes, R. M., 1984, Phase 1 LITHOPROBE—A coordinated national geoscience project.

Clowes, R. M., 1985, Southern Vancouver Island—Seismic reflection imaging of Wrangellia and Tertiary underthrusting [abstract].

Clowes, R. M., 1990, Structure and tectonic evolution of the westernmost Canadian Cordillera—A multidisciplinary approach [abstract].

Clowes, R. M.; Brandon, M. T.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1986, LITHOPROBE—Vancouver Island—Cenozoic subduction complex imaged by deep seismic reflections [abstract].*

Clowes, R. M.; Ellis, R. M.; Spence, G. D., 1982, VISP I—The Vancouver Island Seismic Project—Reflections from the subducting lithosphere [abstract].

Clowes, R. M.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Brandon, M. T.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1985, LITHOPROBE – Vancouver Island—Wrangellia and Cenozoic subduction complex imaged by deep seismic reflections [abstract].

Clowes, R. M.; Spence, G. D.; Ellis, R. M.; Waldron, D. A., 1986, Structure of the lithosphere in a young subduction zone—Results from reflection and refraction studies.

Dehler, S. A.; Clowes, R. M., 1989, Structural models across the northern Cascadia subduction zone—An integration of geophysical data [abstract].

DeLaurier, J. M.; Kurtz, R. D.; Gupta, J. C., 1985, A magnetotelluric survey over the subduction zone under Vancouver Island, B.C. [abstract].

Dosso, H. W.; Chen, J.; Nienaber, W., 1990, Comparison of analogue model and field station EM responses on southern Vancouver Island.

Dosso, H. W.; Nienaber, W.; Hu, W. B., 1985, Electromagnetic modeling of coastal regions [abstract].

Dragert, Herb, 1986, A summary of recent geodetic measurement of surface deformation on central Vancouver Island, British Columbia.

Dragert, Herb, 1987, Contemporary crustal deformation measurements on central Vancouver Island. [abstract].

Dragert, Herb, 1987, The fall (and rise) of central Vancouver Island—1930-1985.

Dragert, Herb, 1989, Temporal changes in observed crustal strain in central Vancouver Island, British Columbia [abstract].

Dragert, Herb; Duval, R.; Lisowski, Michael, 1990, GPS crustal strain networks in coastal British Columbia [abstract].

Drew, J. J.; Clowes, R. M., 1987, The Vancouver Island (Canada) seismic refraction experiment—Reinterpretation using constraints from LITHOPROBE reflection data [abstract].

England, T. D. J.; Calon, T. J., 1991, The Cowichan fold and thrust system, Vancouver Island, southwestern British Columbia.

Fowler, C. M. R.; Pandit, B. I., 1990, Analysis of CCSS data set I—Reflection-refraction data from the Vancouver Island continental margin of western Canada.

Fuis, G. S.; Clowes, R. M., 1991, A comparison of deep continental-margin structure along transects in southern Alaska, southern Vancouver Island, and central California [abstract].*

Fyfe, W. S.; Kerrich, R.; Hicock, S. R.; Colloza, F. C., 1987, LITHOPROBE—Faults and fluids.

Gilliland, J. M.; Coleborn, R. J.; Brandon, M. T., 1985, Magnetic models of the geologic structure of southern Vancouver Island near the Leech River fault [abstract].

Green, A. G., 1985, Phase I—Mapping deep crustal structure beneath Vancouver Island [abstract].

Green, A. G., 1988, Tectonic and magmatic underplating as deduced from seismic reflection and refraction profiling [abstract].

Green, A. G.; Clowes, R. M.; Ellis, R. M., 1990, Crustal studies across Vancouver Island and adjacent offshore margin.

Green, A. G.; Clowes, R. M.; Yorath, C. J.; Spencer, C.; Kanasewich, E. R.; Sutherland Brown, A.; Brandon, M. T.; Massey, N. W. D.; Hyndman, R. D., 1985, LITHOPROBE—Phase 3—Mapping of an active subduction zone [abstract].

Hawthorne, R., 1990, Reprocessing Vancouver Island LITHOPROBE data.

Holdahl, S. R.; Faucher, Francois; Dragert, Herb, 1987, Recent vertical crustal motion in the Pacific Northwest [abstract].

Hyndman, R. D., 1988, Dipping seismic reflectors, electrically conductive zones, and trapped water in the crust over a subducting plate.

Hyndman, R. D.; Davis, E. E., 1989, The Cascadia accretionary prism at Vancouver Island—Thermal and pore pressure constraints on the zone of subduction thrust earthquake failure [abstract].

Hyndman, R. D.; Rogers, G. C.; Dragert, Herb, 1989, Thermal, pore pressure and vertical deformation limits on the zone of major thrust earthquake failure beneath the Vancouver Island subduction zone [abstract].

Hyndman, R. D.; Yorath, C. J.; Clowes, R. M.; Davis, E. E., 1990, The northern Cascadia subduction zone at Vancouver Island—Seismic structure and tectonic history.

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Clowes, R. M., 1989, The northern Cascadia subduction zone at Vancouver Island—Structure, history and sediment accretion processes [abstract].

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Rohr, K. M. M.; Law, L. K., 1989, Vancouver Island accretionary sedimentary prism [abstract].

Irving, E.; Yole, R. W., 1987, Tectonic rotations and translations in western Canada—New evidence from Jurassic rocks of Vancouver Island.

Iwasaki, Takaya; Shimamura, Hideki, 1990, Velocity structure model determined from onshore-offshore seismic profiling across Vancouver Island and adjacent continental margin.

Jones, A. G.; Kurtz, R. D.; Gupta, J. C., 1988, Magnetotelluric studies across selected key targets in Canada [abstract].

Kouba, J.; Dragert, Herb, 1989, Crustal deformation measurements by satellite techniques on Canada's west coast [abstract].

Kurtz, R. D.; DeLaurier, J. M.; Gupta, J. C., 1990, The electrical conductivity distribution beneath Vancouver Island—A region of active plate subduction.

Kurtz, R. D.; Gupta, J. C.; DeLaurier, J. M., 1985, A magnetotelluric survey over an active subduction zone [abstract].

Kurtz, R. D.; Gupta, J. C.; DeLaurier, J. M., 1987, The electrical conductivity structure in the active subduction zone beneath Vancouver Island [abstract].

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1988, Subduction of the Juan de Fuca plate—Thermal consequences.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1989, Thermal structure of the northern (Canadian) Cascades.

Lisowski, Michael, 1985, Geodetic strain measurements in central Vancouver Island.

Marshall, Jocelyn, 1985, LITHOPROBE maps subduction zone.

Mereu, R. F., 1990, An interpretation of CCSS data set I using the triangular block model method.

Milkereit, Bernd; Spencer, Carl; Mayrand, L. J., 1990, Migration and amplitude analysis of deep seismic reflection data—Processing results of CCSS data sets II and III.

Muller, J. E., 1977, Evolution of the Pacific margin, Vancouver Island, and adjacent regions.

Muller, J. E.; Armstrong, R. L.; Harakal, J. E.; Muehlenbachs, K., 1982, The Neogene Alert Bay volcanic belt of northern Vancouver Island [abstract].

Nienaber, W.; Hibbs, R. D.; Dosso, H. W.; Law, L. K., 1982, An estimate of the conductivity structure for the Vancouver Island region from geomagnetic results.

Nyland, E.; Li, Quin, 1986, Analysis of seismic instability of the Vancouver Island LITHOPROBE transect.

Phadke, Suhas, 1988, Imaging crustal diffraction zones and seismic tomography.

Phadke, Suhas; Kanasewich, E. R., 1989, Tomographic determination of crustal structure and velocity gradients [abstract].

Phadke, Suhas; Kanasewich, E. R., 1990, Seismic tomography to obtain velocity gradients and three-dimensional structure and its application to reflection data on Vancouver Island.

Riddihough, R. P., 1985, A symposium on the deep structure of southern Vancouver Island—Results of LITHOPROBE Phase 1—19 April 1985.

Riddihough, R. P., 1987, Predicted present plate motions in the Vancouver Island region [abstract].

Riddihough, R. P.; Hyndman, R. D., 1989, Queen Charlotte Islands margin.

Rogers, G. C., 1979, Earthquake fault plane solutions near Vancouver Island.

Rogers, G. C., 1989, Geometry of the Juan de Fuca plate beneath Vancouver Island from seismicity [abstract].

Silver, E. A.; Breen, N. A.; Ellis, M. J.; Shipley, T. H., 1986, Comment and reply on "Comments on the growth of accretionary wedges"—Reply.

Spence, G. D.; Clowes, R. M.; Ellis, R. M., 1985, Seismic structure across the active subduction zone of western Canada.*

Spence, G. D.; Ellis, R. M.; Clowes, R. M., 1982, VISP III—Ray tracing and iterative inversion of traveltimes for structure across the Juan de Fuca/America plate margin [abstract].

Valasek, P. A.; Finckh, P.; Demartin, M., 1990, Reprocessing of seismic reflection data recorded on Vancouver Island, BC—CCSS data set III.

Wahlstrom, Rutger; Rogers, G. C., 1990, Source parameters for earthquakes in the Vancouver Island region of the Cascadia subduction zone [abstract].

Walters, L. K., 1987, A geological interpretation of LITHOPROBE seismic reflection profile 3, southern Vancouver Island, B.C.

Weber, M. H., 1990, Application of the Gaussian beam method to refraction data from the subduction zone beneath Vancouver Island and the North American mainland.

Yorath, C. J.; Clowes, R. M.; Green, A. G.; Sutherland Brown, A.; Brandon, M. T.; Massey, N. W. D.; Spencer, C.; Kanasewich, E. R.; Hyndman, R. D., 1985, LITHOPROBE—Phase 1—Southern Vancouver Island—Preliminary analyses of reflection seismic profiles and surface geological studies.*

Yorath, C. J.; Davis, E. E., 1988, Cenozoic accretion history of the Vancouver Island continental margin [abstract].

Yorath, C. J.; Green, A. G.; Clowes, R. M.; Sutherland Brown, A.; Brandon, M. T.; Kanasewich, E. R.; Hyndman, R. D.; Spencer, C. P., 1985, LITHOPROBE, southern Vancouver Island—Seismic reflection sees through Wrangellia to the Juan de Fuca plate.

Yorath, C. J.; Hyndman, R. D.; Davis, E. E.; Clowes, R. M., 1989, The northern Cascadia subduction zone at Vancouver Island—Seismic structure and tectonic history [abstract].

Yorath, C. J.; Massey, N. W. D., 1989, Tertiary accretion history of the Vancouver Island continental margin [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – CALIFORNIA

Benz, H. M.; Zandt, G., 1991, Lithospheric structure and seismicity of northern California—Evolution of the crustal margin with passage of the Mendocino triple junction [abstract].*

Benz, H. M.; Zandt, G.; Oppenheimer, D., 1990, Seismic imaging of the subduction plate and the slabless window beneath northern California [abstract].

Berge, P. A.; Stauber, D. A., 1985, Seismic refraction profile across Lassen Peak [abstract].

Blake, M. C., Jr.; Jayko, A. S., 1986, Tectonic evolution of northwest California and southwest Oregon.

Blake, M. C., Jr.; Jones, D. L.; Wentworth, C. M., 1984, Continent-ocean transects C-1 and C-2—Accretionary history of the California coast ranges [abstract].

Breen, N. A.; Lisowski, Michael; Prescott, W. H., 1987, Spatially varying pattern of crustal strain near the Mendocino triple junction, California [abstract].

Carver, G. A., 1989, Paleoseismicity of the southern part of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M., 1986, Investigations of late Pleistocene and Holocene thrust faulting in coastal California north of Cape Mendocino.

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Pleistocene and Holocene paleoseismicity of Little Salmon and Mad River thrust systems, N.W. California—Implications to the seismic potential of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M.; Kelsey, H. M., 1986, Late Quaternary tectonics of coastal California north of the Mendocino triple junction [abstract].

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].

Coleman, R. G.; Manning, C. E.; Mortimer, N.; Donato, M. M.; Hill, L. B., 1988, Tectonic and regional metamorphic framework of the Klamath Mountains and adjacent Coast Ranges, California and Oregon.

Crum, S. V., 1987, The mechanics of subduction zone topography—A study of age effect in the Pacific Northwest.

Kelsey, H. M.; Carver, G. A., 1986, Studies of Quaternary faulting through the analysis of small faults and fractures, north coastal California.

Knapp, J. S., Jr., 1982, Seismicity, crustal structure, and tectonics near the northern termination of the San Andreas fault.

Lajoie, K. R., 1986, Rapid tectonic uplift near the Mendocino triple junction recorded by emergent marine strandlines [abstract].

Merritts, Dorothy, 1986, Late Quaternary tectonism in coastal northern California—A geomorphic approach [abstract].

Niazi, Mansour; Karageorgi, Eleni, 1986, 3-D structure of the crust near Mendocino triple junction from teleseismic P-delays [abstract].

O'Dea, K. M., 1989, Terrace formation and deformation on Yager Creek—Late Pleistocene fluvial and tectonic activity at the southern end of the Cascadia subduction zone [abstract].

O'Dea, K. M.; Vick, G. S.; Craven, G. F.; Linberg, D. N., 1987, An analysis of style of deformation and surface expression of late Quaternary thrust faults, coastal northern California [abstract].

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Wilson, D. S., 1986, Deformation of the Juan de Fuca plate near the Mendocino triple junction [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – CASCADIA SUBDUCTION ZONE [REGIONAL WORKS]

Acharya, Hemendra, 1989, Comparison of seismicity rates in subduction zones and implications for Juan de Fuca plate [abstract].*

Bostrom, R. C., 1984, Is Pacific NW subduction active, decaying or incipient? The 2-m geoid [abstract].

Byrne, D. E.; Sykes, L. R.; Davis, D. M., 1987, Seismic and aseismic subduction, Part 1—The role of young sediments in controlling the mode of slip along the plate boundary [abstract].

Chen, J.; Dosso, H. W., 1989, EM modelling of the subducting Juan de Fuca plate region of the Pacific Northwest [abstract].

Chen, J.; Dosso, H. W.; Nienaber, W., 1989, Laboratory electromagnetic model for the EMSLAB region.

Chiao, L.-Y.; Creager, K. C., 1990, Geometric constraints on Cascadia subduction [abstract].

Couch, R. W.; Riddihough, R. P., 1989, The crustal structure of the western continental margin of North America.

Crosson, R. S., 1988, Seismicity and structure of the Cascadia subduction zone.

Crosson, R. S.; Creager, K. C., 1990, Earthquake hazard investigations in the Pacific Northwest.*

Dosso, H. W.; Nienaber, W., 1986, A laboratory electromagnetic model study of the Juan de Fuca plate region.

Dosso, H. W.; Nienaber, W.; Chen, J., 1989, Laboratory electromagnetic modelling of the subducting Juan de Fuca plate.

Gabrielov, A. M.; Li, Quin; Nazer, N.; Nyland, E., 1989, A time dependent model of seismicity for a subduction zone [abstract].

Heaton, T. H.; Hartzell, S. H., 1987, repr. 1988, Earthquake hazards on the Cascadia subduction zone.

Heaton, T. H.; Kanamori, Hiroo, 1984, repr. 1988, Seismic potential associated with subduction in the northwestern United States.

Kanamori, Hiroo, 1988, Plate motion and seismicity.

Melosh, H. J., 1989, Stress and strain in the Cascadia subduction zone [abstract].

Monastersky, Richard, 1987, The Juan de Fuca plate—A sticky situation.

Mundal, Ivar; Ukawa, Motoo; Crosson, R. S., 1990, Evidence of subducting Juan de Fuca plate in apparent velocities observed from subcrustal earthquakes [abstract].

Rieken, E. R.; Rohay, A. C.; Thiessen, R. L., 1991, Analysis of the Cascadia subduction zone using alignments of earthquake foci, western Washington [abstract].*

Rogers, G. C., 1988, An assessment of the megathrust earthquake potential of the Cascadia subduction zone.*

Rogers, G. C., 1988, Seismic potential of the Cascadia subduction zone.

Satake, K.; Kanamori, Hiroo, 1989, The depth distribution of coseismic slip along the Nankai trough and its implications for the Cascadia subduction zone [abstract].

Spence, William, 1988, Anomalous subduction and the origins of stresses at Cascadia—A review.

Spence, William, 1988, Seismicity and tectonics.

Spence, William, 1989, Stress origins and earthquake potentials in Cascadia.

Sykes, L. R.; Byrne, D. E.; Davis, D. M., 1987, Seismic and aseismic subduction, Part 2—Aseismic slip at zones of massive sediment supply and nature of great asperities at convergent margins [abstract].

Thorkelson, D. J.; Taylor, R. P., 1989, Cordilleran slab windows.

Ukawa, Motoo, 1989, Subcrustal seismic activity along the Nankai–Suruga trough in comparison with along the Cascadia subduction zone [abstract].

VanDecar, J. C.; Crosson, R. S.; Creager, K. C., 1990, Deep three-dimensional velocity structure of the Cascadia subduction zone [abstract].*

Weaver, C. S., 1987, Seismological constraints on the geometry of the Juan de Fuca plate [abstract].

Weaver, C. S.; Shedlock, K. M., 1989, Potential subduction, probable intraplate, and known crustal earthquake source areas in the Cascadia subduction zone.*

West, D. O.; McCrumb, D. R.; Kiel, W. A., 1987, Geomorphology, convergent margins and earthquakes.

STRUCTURAL GEOLOGY AND TECTONICS – CASCADIA SUBDUCTION ZONE – BRITISH COLUMBIA

Agarwal, A.; Dosso, H. W., 1990, A three dimensional thin sheet numerical model study of EM induction in the Vancouver Island region [abstract].

Armstrong, R. L.; Muller, J. E.; Harakal, J. E.; Muehlenbachs, K., 1985, The Neogene Alert Bay volcanic belt of northern Vancouver Island, Canada—Descending-plate-edge volcanism in the arc-trench gap.

Brandon, M. T., 1984, Deformational processes affecting unlithified sediments at active margins—A field study and a structural model.

Brandon, M. T., 1986, Comment and reply on "Comments on the growth of accretionary wedges"—Comment.

Calvert, A. J.; Clowes, R. M., 1989, The reflectivity of the accretionary complex of western Canada [abstract].

Calvert, A. J.; Clowes, R. M., 1990, Deep, high-amplitude reflections from a major shear zone above the subducting Juan de Fuca plate.

Calvert, A. J.; Clowes, R. M., 1990, Reflections from the accreted margin western Canada—Evidence for the migration of fluids and a major shear zone above the subducting plate [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, Modelling of broadband teleseismic P-waveforms to obtain the subduction geometry beneath southwestern British Columbia [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, The subduction geometry beneath southwestern British Columbia determined from teleseismic P-waveform analysis [abstract].

Cassidy, J. F.; Ellis, R. M., 1989, Teleseismic P wave receiver function analysis in the Cascadia subduction zone [abstract].

Cassidy, J. F.; Ellis, R. M., 1990, The shear-velocity structure of the crust and upper mantle across the northern Cascadia subduction zone [abstract].

Clowes, R. M., 1984, Transect B2—Lithospheric structure across an accretionary margin off western Canada [abstract].

Clowes, R. M., 1990, Structure and tectonic evolution of the westernmost Canadian Cordillera—A multidisciplinary approach [abstract].

Clowes, R. M.; Brandon, M. T.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1986, LITHOPROBE—Vancouver Island—Cenozoic subduction complex imaged by deep seismic reflections [abstract].*

Clowes, R. M.; Ellis, R. M.; Spence, G. D., 1982, VISP I—The Vancouver Island Seismic Project—Reflections from the subducting lithosphere [abstract].

Clowes, R. M.; Hyndman, R. D.; Yorath, C. J.; Davis, E. E., 1989, The structure of the western Canada subduction zone—Implications for the tectonic history of the Canadian Cordillera [abstract].

Clowes, R. M.; LITHOPROBE Team (Green, A. G.; Yorath, C. J.; Brandon, M. T.; Kanasewich, E. R.; Sutherland Brown, A.; Spencer, C.), 1985, LITHOPROBE – Vancouver Island—Wrangellia and Cenozoic subduction complex imaged by deep seismic reflections [abstract].

Clowes, R. M.; Spence, G. D.; Ellis, R. M.; Waldron, D. A., 1986, Structure of the lithosphere in a young subduction zone—Results from reflection and refraction studies.

Dehler, S. A.; Clowes, R. M., 1989, Structural models across the northern Cascadia subduction zone—An integration of geophysical data [abstract].

Dehler, S. A.; Clowes, R. M., 1990, Structure of the Cascadia accretionary margin of western Canada from geophysical analyses [abstract].

DeLaurier, J. M.; Auld, D. R.; Law, L. K., 1983, The geomagnetic response across the continental margin off Vancouver Island—Comparison of results from numerical modelling and field data.

Dosso, H. W.; Chen, J.; Nienaber, W., 1990, Comparison of analogue model and field station EM responses on southern Vancouver Island.

Dosso, H. W.; Nienaber, W.; Hu, W. B., 1985, Electromagnetic modeling of coastal regions [abstract].

Dragert, Herb; Kouba, J.; Lisowski, Michael, 1990, GPS measurement of crustal deformation in the northern Cascadia subduction zone [abstract].

Drew, J. J.; Clowes, R. M., 1990, A re-interpretation of the seismic structure across the active subduction zone of western Canada.

Egger, A.; Ansorge, J., 1990, Interpretation of seismic refraction data–CCSS data set I—Vancouver Island–continental margin.

Fowler, C. M. R.; Pandit, B. I., 1990, Analysis of CCSS data set I—Reflection-refraction data from the Vancouver Island continental margin of western Canada.

Green, A. G.; Clowes, R. M.; Ellis, R. M., 1990, Crustal studies across Vancouver Island and adjacent offshore margin.

Green, A. G.; Clowes, R. M.; Yorath, C. J.; Spencer, C.; Kanasewich, E. R.; Sutherland Brown, A.; Brandon, M. T.; Massey, N. W. D.; Hyndman, R. D., 1985, LITHOPROBE—Phase 3—Mapping of an active subduction zone [abstract].

Green, N. L., 1980, Spatial coexistence of two distinct magmatic associations, S.W. British Columbia—Implications for subduction zone magma genesis [abstract].

Hasselgren, E. O.; Clowes, R. M., 1989, Crustal structure of the northern Juan de Fuca plate from multichannel seismic reflection data [abstract].

Hyndman, R. D., 1988, Dipping seismic reflectors, electrically conductive zones, and trapped water in the crust over a subducting plate.

Hyndman, R. D.; Davis, E. E., 1989, The Cascadia accretionary prism at Vancouver Island—Thermal and pore pressure constraints on the zone of subduction thrust earthquake failure [abstract].

Hyndman, R. D.; Rogers, G. C.; Dragert, Herb, 1989, Thermal, pore pressure and vertical deformation limits on the zone of major thrust earthquake failure beneath the Vancouver Island subduction zone [abstract].

Hyndman, R. D.; Yorath, C. J.; Clowes, R. M.; Davis, E. E., 1990, The northern Cascadia subduction zone at Vancouver Island—Seismic structure and tectonic history.

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Clowes, R. M., 1989, The northern Cascadia subduction zone at Vancouver Island—Structure, history and sediment accretion processes [abstract].

Hyndman, R. D.; Yorath, C. J.; Davis, E. E.; Rohr, K. M. M.; Law, L. K., 1989, Vancouver Island accretionary sedimentary prism [abstract].

Iwasaki, Takaya; Shimamura, Hideki, 1990, Velocity structure model determined from onshore-offshore seismic profiling across Vancouver Island and adjacent continental margin.

Jones, A. G.; Kurtz, R. D.; Gupta, J. C., 1988, Magnetotelluric studies across selected key targets in Canada [abstract].

Kurtz, R. D.; Gupta, J. C.; DeLaurier, J. M., 1985, A magnetotelluric survey over an active subduction zone [abstract].

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1988, Subduction of the Juan de Fuca plate—Thermal consequences.

Lewis, T. J.; Bentkowski, W. H.; Davis, E. E.; Hyndman, R. D.; Souther, J. G.; Wright, J. A., 1989, Thermal structure of the northern (Canadian) Cascades.

Marshall, Jocelyn, 1985, LITHOPROBE maps subduction zone.

Mereu, R. F., 1990, An interpretation of CCSS data set I using the triangular block model method.

Muller, J. E.; Armstrong, R. L.; Harakal, J. E.; Muehlenbachs, K., 1982, The Neogene Alert Bay volcanic belt of northern Vancouver Island [abstract].

Nyland, E.; Li, Quin, 1986, Analysis of seismic instability of the Vancouver Island LITHOPROBE transect.

Riddihough, R. P., 1985, A symposium on the deep structure of southern Vancouver Island—Results of LITHOPROBE Phase 1—19 April 1985.

Rogers, G. C., 1986, Seismotectonics of western Canada [abstract].

Rogers, G. C.; Dragert, Herb, 1989, The current potential for major earthquakes in southwest British Columbia [abstract].

Silver, E. A.; Breen, N. A.; Ellis, M. J.; Shipley, T. H., 1986, Comment and reply on "Comments on the growth of accretionary wedges"—Reply.

Spence, G. D.; Clowes, R. M.; Ellis, R. M., 1985, Seismic structure across the active subduction zone of western Canada.*

Thybo, Hans, 1990, Interpretation of coincident seismic reflection and refraction profiles across the active subduction zone of western Canada.

Wahlstrom, Rutger; Rogers, G. C., 1990, Source parameters for earthquakes in the Vancouver Island region of the Cascadia subduction zone [abstract].

Waldron, D. A.; Clowes, R. M., 1982, VISP II—Structural characteristics of the subducting oceanic plate off western Canada [abstract].

Waldron, D. A.; Clowes, R. M.; White, D. J., 1990, Seismic structure of a subducting oceanic plate off western Canada.

Yorath, C. J.; Clowes, R. M.; Green, A. G.; Sutherland Brown, A.; Brandon, M. T.; Massey, N. W. D.; Spencer, C.; Kanasewich, E. R.; Hyndman, R. D., 1985, LITHOPROBE—Phase 1—Southern Vancouver Island—Preliminary analyses of reflection seismic profiles and surface geological studies.*

Yorath, C. J.; Davis, E. E., 1988, Cenozoic accretion history of the Vancouver Island continental margin [abstract].

Yorath, C. J.; Hyndman, R. D.; Davis, E. E.; Clowes, R. M., 1989, The northern Cascadia subduction zone at Vancouver Island—Seismic structure and tectonic history [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – CASCADIA SUBDUCTION ZONE – CALIFORNIA

Benz, H. M.; Zandt, G., 1991, Lithospheric structure and seismicity of northern California—Evolution of the crustal margin with passage of the Mendocino triple junction [abstract].*

Benz, H. M.; Zandt, G.; Oppenheimer, D., 1990, Seismic imaging of the subduction plate and the slabless window beneath northern California [abstract].

Breen, N. A.; Lisowski, Michael; Prescott, W. H., 1987, Spatially varying pattern of crustal strain near the Mendocino triple junction, California [abstract].

Carver, G. A., 1989, Paleoseismicity of the southern part of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Pleistocene and Holocene paleoseismicity of Little Salmon and Mad River thrust systems, N.W. California—Implications to the seismic potential of the Cascadia subduction zone [abstract].

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].

Crum, S. V., 1987, The mechanics of subduction zone topography—A study of age effect in the Pacific Northwest.

Niazi, Mansour; Karageorgi, Eleni, 1986, 3-D structure of the crust near Mendocino triple junction from teleseismic P-delays [abstract].

O'Dea, K. M., 1989, Terrace formation and deformation on Yager Creek—Late Pleistocene fluvial and tectonic activity at the southern end of the Cascadia subduction zone [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – CASCADIA SUBDUCTION ZONE – OREGON

Atwater, B. F., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Comment.

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Cochrane, G. R.; Moore, J. C.; MacKay, M. E.; Moore, G. F., 1990, Fluid flow in the Oregon accretionary prism from seismic data and vents [abstract].

Couch, R. W., 1987, The structure of western Oregon [abstract].

Crum, S. V., 1987, The mechanics of subduction zone topography—A study of age effect in the Pacific Northwest.

Goldfinger, Chris; Appelgate, T. B., Jr.; Kulm, L. D.; Yeats, R. S., 1989, Sidescan sonar imaging of probable active faults on the Juan de Fuca plate adjacent to the central Oregon continental margin [abstract].

Goldfinger, Chris; MacKay, M. E.; Kulm, L. D.; Yeats, R. S., 1990, Neotectonics and possible segmentation of the Juan de Fuca plate and Cascadia subduction zone off central Oregon [abstract].

Grant, W. C.; McLaren, D. D., 1987, Evidence for Holocene subduction earthquakes along the northern Oregon coast [abstract].

Harris, R. A.; Iyer, H. M.; Dawson, P. B.; Berge, P. A.; Michaelson, C. A., 1989, Imaging the Juan de Fuca slab beneath southern Oregon using teleseismic residuals [abstract].

Henry, P.; Wang, C.-Y., 1990, Modeling of fluid flow and pore pressure at the toe of the Oregon and Barbados accretionary wedges [abstract].

Humphreys, E. D.; Dueker, K. G.; Biasi, G. P., 1990, Upper mantle P-wave velocity structure of the western U.S. [abstract].

Keach, R. W., II, 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Keach, R. W., II; Potter, C. J., 1989, Eocene to present active margin tectonics, western Oregon, as revealed by deep reflection profiles [abstract].

Keach, R. W., II; Potter, C. J.; Oliver, J. E.; Brown, L. D., 1986, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon [abstract].

Kulm, L. D.; Embley, R. W., 1988, Nature of the deformation front along the Oregon–Washington subduction zone.

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Priest, G. R., 1989, Model for volcanic arc migration and uplift in the Cascades [abstract].

Priest, G. R., 1989, Volcanic and tectonic evolution of the Cascade volcanic arc, 44° 00′ to 44° 52′ 30″ N.

Rasmussen, J. R., 1989, The seismic P-wave velocity structure of the upper mantle beneath Washington and western Oregon.

Rasmussen, J. R.; Humphreys, E. D., 1988, Tomographic image of the Juan de Fuca plate beneath Washington and western Oregon using teleseismic P-wave travel times.

Tillson, D. D., 1988, Computer graphical analysis of remote sensing data and some aspects of the geometry of the Juan de Fuca subducting plate, western Washington and Oregon [abstract].

Trehu, A. M.; Holt, T.; Shi, J.; Nakamura, Y.; Brocher, T.; Moses, M., 1990, Preliminary results from the 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Trehu, A. M.; Nakamura, Y.; Brocher, T.; Moses, M., 1991, 1989 Oregon onshore-offshore seismic imaging experiment [abstract].

Vincent, Paul, 1989, Geodetic deformation of the southern Cascadia margin.

Vincent, Paul; Richards, M. A.; Weldon, R. J., II, 1990, Vertical deformation of the Oregon Cascadia margin [abstract].*

Waff, H. S.; Rygh, J. T.; Livelybrooks, D. W.; Clingman, W. W., 1988, Results of a magnetotelluric traverse across western Oregon—Crustal resistivity structure and the subduction of the Juan de Fuca plate.

Wannamaker, P. E.; Booker, J. R.; Filloux, J. H.; Jones, A. G.; Chave, A. D., 1989, Uncovering deep structure, fluid movement and melting in the Cascadia subduction system from geomagnetic induction measurements [abstract].

Weaver, C. S., 1990, Geothermal seismotectonic studies.*

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

West, D. O.; McCrumb, D. R., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Reply.

Structural geology and tectonics – Cascadia subduction zone – Subsidence and uplift, *see* **SUBSIDENCE AND UPLIFT**

STRUCTURAL GEOLOGY AND TECTONICS – CASCADIA SUBDUCTION ZONE – WASHINGTON

Applegate, J. D. R., 1989, An upper plate origin for basalt blocks in the Cenozoic subduction complex of the Olympic Mountains, northwest Washington State.

Applegate, J. D. R.; Brandon, M. T., 1989, An upper plate origin for basalt blocks in the Cenozoic subduction complex of the Olympic Mountains, northwest Washington State [abstract].

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].

Atwater, B. F., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Comment.

Bourgeois, Joanne; Reinhart, M. A., 1989, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Boyer, S. E.; Lingley, W. S., Jr., 1991, Structure and kinematics of the Olympic subduction complex, NW Washington, and implications for mechanical models of accretionary prisms [abstract].

Brandon, M. T., 1990, Exhumation of young metamorphic rocks in the Olympic subduction complex, NW Washington State [abstract].

Brandon, M. T.; Calderwood, A. R., 1990, High-pressure metamorphism and uplift of the Olympic subduction complex.*

Calderwood, A. R., 1991, The uplift of subduction complexes; Constraints from the Cascadia convergent margin [abstract].*

Calderwood, A. R.; Brandon, M. T., 1990, Structure and tectonics of the Olympic Mountains subduction complex, Cascadia convergent margin [abstract].

Chiao, L.-Y.; Creager, K. C., 1989, Kinematic deformation of the subducted Cascadia slab [abstract].

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Cohee, B. P.; Somerville, P. G., 1989, Simulated strong ground motions for hypothetical M_w=8.0 earthquakes on the Cascadia plate interface [abstract].

Crosson, R. S., 1988, Seismic hazard from intraplate earthquakes in the Puget Sound region.

Crosson, R. S.; Creager, K. C., 1991, Earthquake hazard investigations in the Pacific Northwest.

Crosson, R. S.; Owens, T. J., 1989, Testing the arch model for slab geometry of the Cascadia subduction zone in the vicinity of Puget Sound, Washington [abstract].

Duncan, R. A.; Kulm, L. D., 1989, Plate tectonic evolution of the Cascades arc–subduction complex.

Farrar, Edward; Dixon, J. M., 1991, Ridge subduction and the thermal nature of spreading ridges [abstract].

Finn, Carol, 1988, Structure of the Washington convergent margin, implications for other subduction zones and for continental growth processes.*

Finn, Carol, 1990, Geophysical constraints on Washington convergent margin structure.

Humphreys, E. D.; Dueker, K. G.; Biasi, G. P., 1990, Upper mantle P-wave velocity structure of the western U.S. [abstract].

Kerr, R. A., 1991, Big squeeze points to a big quake.

Kulm, L. D.; Embley, R. W., 1988, Nature of the deformation front along the Oregon–Washington subduction zone.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Leeman, W. P.; Smith, D. R.; Hildreth, Wes; Palacz, Zen; Rogers, Nick, 1990, Compositional diversity of late Cenozoic basalts in a transect across the southern Washington Cascades—Implications for subduction zone magmatism.*

Ma, Li, 1988, Regional tectonic stress in western Washington from focal mechanisms of crustal and subcrustal earthquakes.

Rasmussen, J. R., 1989, The seismic P-wave velocity structure of the upper mantle beneath Washington and western Oregon.

Rasmussen, J. R.; Humphreys, E. D., 1988, Tomographic image of the Juan de Fuca plate beneath Washington and western Oregon using teleseismic P-wave travel times.

Rieken, E. R.; Thiessen, R. L., 1990, SEISPLN analysis of the Juan de Fuca plate beneath western Washington [abstract].

Roden, M. K.; Brandon, M. T., 1990, Apatite fission-track thermochronology of the Olympic subduction complex, Washington [abstract].

Savage, J. C.; Lisowski, Michael, 1991, Strain measurements and the potential for a great subduction earthquake off the coast of Washington.*

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Tillson, D. D., 1988, Computer graphical analysis of remote sensing data and some aspects of the geometry of the Juan de Fuca subducting plate, western Washington and Oregon [abstract].

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

Weaver, C. S., 1989, What controls the segmentation of the Cascade volcanic arc? [abstract].

Weaver, C. S., 1991, Geothermal seismotectonic studies.*

West, D. O.; McCrumb, D. R., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Reply.

Structural geology and tectonics – Continental margin, *see* **MARINE GEOLOGY – STRUCTURES AND TECTONICS**

STRUCTURAL GEOLOGY AND TECTONICS – FAULTS AND LINEAMENTS [REGIONAL WORKS]

Dewey, J. E.; Hill, D. P.; Ellsworth, W. L.; Engdahl, E. R., 1989, Earthquakes, faults, and the seismotectonic framework of the contiguous United States.

STRUCTURAL GEOLOGY AND TECTONICS – FAULTS AND LINEAMENTS – BRITISH COLUMBIA

Ague, J. J.; Brandon, M. T., 1990, Restoration of offset along the Straight Creek–Fraser fault system, Washington State and British Columbia [abstract].

Clague, J. J., 1987, The use of geological evidence in reconstructing recent crustal movements in British Columbia—Potential and problems [abstract].

Coleman, M. E.; Parrish, R. R., 1990, Eocene deformation in the Bridge River terrane, B.C.—Constraints on dextral movement on the Fraser fault [abstract].

Dehler, S. A.; Clowes, R. M., 1987, Seismic refraction modelling of the Queen Charlotte fault zone [abstract].

Hyndman, R. D.; Riddihough, R. P.; Herzer, R., 1979, The Nootka fault zone—A new plate boundary off western Canada.

Journeay, J. M., 1989, Late Mesozoic and Cenozoic fault systems of the southern coast belt [abstract].

Mathews, W. H., 1987, Recent fault scarps in southern British Columbia [abstract].

Miller, M. G., 1988, Possible pre-Cenozoic left-lateral slip on the Yalakom fault, southwestern British Columbia.

Rusmore, M. E.; Woodsworth, G. J., 1988, Eastern margin of the Coast Plutonic Complex, Mount Waddington map area, B.C.

Thorkelson, D. J., 1989, Eocene sedimentation and volcanism in the Fig Lake graben, southwestern British Columbia.

STRUCTURAL GEOLOGY AND TECTONICS – FAULTS AND LINEAMENTS – CALIFORNIA

Carver, G. A.; Burke, R. M., 1986, Investigations of late Pleistocene and Holocene thrust faulting in coastal California north of Cape Mendocino.

Carver, G. A.; Burke, R. M., 1987, Late Holocene paleoseismicity of the southern end of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M., 1987, Late Pleistocene and Holocene paleoseismicity of Little Salmon and Mad River thrust systems, N.W. California—Implications to the seismic potential of the Cascadia subduction zone [abstract].

Carver, G. A.; Burke, R. M.; Kelsey, H. M., 1986, Late Quaternary tectonics of coastal California north of the Mendocino triple junction [abstract].

Clarke, S. H., Jr.; Carver, G. A., 1989, Onshore-offshore characteristics and seismic potential of structures along the Gorda segment of the Cascadia subduction zone [abstract].

Kelsey, H. M.; Carver, G. A., 1986, Studies of Quaternary faulting through the analysis of small faults and fractures, north coastal California.

O'Dea, K. M.; Vick, G. S.; Craven, G. F.; Linberg, D. N., 1987, An analysis of style of deformation and surface expression of late Quaternary thrust faults, coastal northern California [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – FAULTS AND LINEAMENTS – OREGON

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Nazy, D. J., 1987, A seismic refraction study of a portion of the northeastern margin of the Tualatin Valley, Oregon.

Ryberg, P. T., 1984, Structural influence on early Tertiary sedimentary basin geometry, southwestern Oregon [abstract].

Werner, K. S.; Nabelek, J. L.; Yeats, R. S.; Malone, S. D., 1990, The Mt. Angel fault—Implications of August, 1990, Woodburn, Oregon earthquake sequence [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – FAULTS AND LINEAMENTS – WASHINGTON

Ague, J. J.; Brandon, M. T., 1990, Restoration of offset along the Straight Creek–Fraser fault system, Washington State and British Columbia [abstract].

Bogart, L. E.; Reiddy, L. A., 1987, Importance of fault mapping to mineral/geothermal exploration—Relationship to fluid migration and ore formation—Northwest Washington.

Bucknam, R. C., 1990, Puget Sound paleoseismicity.

Clayton, G. A.; Zollweg, J. E., 1987, Tertiary–Quaternary faults and the 1981 magnitude 5 earthquake in the Goat Rocks Wilderness, south-central Cascade Range, Washington [abstract].

Couch, R. W.; MacFarlane, William, 1971, A fault plane solution of the October 1969 Mt. Rainier earthquake and tectonics movements in the Pacific Northwest derived from fault plane and first motion studies.

Cowan, D. S.; Brandon, M. T., 1990, New techniques for determining the slip direction in brittle fault zones—An application to the Late Cretaceous nappes of the San Juan Islands, WA [abstract].

DiLeonardo, C. G., 1991, Timing and kinematics of bounding structures of the North Creek block, northeastern Cascades Washington—Implications for the evolution of the southern Ross Lake fault zone [abstract].

Evans, J. E., 1986, Influence of syndepositional tectonics on fluvial facies in a Tertiary wrench-fault basin, Chumstick Formation, Cascades Range, Washington [abstract].

Geomatrix Consultants, Inc., 1989, Seismotectonic evaluation—Northwest Rocky Mountains–Okanogan Uplands geomorphic province; Final report.

Harding, S. T., 1989, Investigation of seismic-wave propagation for determination of crustal structure.*

Harding, S. T.; Urban, T. C.; Barnhard, T. P., 1988, Preliminary evidence of possible Quaternary faulting in Puget Sound, Washington, from a multichannel marine seismic reflection survey.

Haugerud, R. A.; Miller, R. B.; Tabor, R. W.; Phillips, W. M., 1991, Ross Lake fault near Gabriel Peak, north Cascades Range, Washington [abstract].

Hooper, P. R.; Conrey, R. M., 1989, The Olympic-Wallowa-lineament (OWL) as a Basin and Range-related megashear, and its control of magmatism during the eruption of the Columbia River basalts [abstract].

Hurlow, H. A., 1989, Polyphase kinematic history of the Pasayten fault in Washington—Preliminary report [abstract].

Hurlow, H. A.; Nelson, B. K., 1991, Late Cretaceous–Eocene dextral transpression in the North Cascades metamorphic core, Washington—Structural styles, U-Pb chronologic constraints, and relation to plate motions [abstract].

Kriens, B. J.; Wernicke, B. P., 1990, Nature of the contact zone between the North Cascades crystalline core and the Methow sequence in the Ross Lake area, Washington—Implications for Cordilleran tectonics.

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Miller, R. B., 1988, Possible role of ductile shear zones in linking overstepping strike-slip faults, Ross Lake fault zone, North Cascades, Washington [abstract].

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

Zollweg, J. E.; Johnson, P. A., 1989, The Darrington seismic zone of northwestern Washington.

STRUCTURAL GEOLOGY AND TECTONICS – OREGON [REGIONAL WORKS]

Blake, M. C., Jr.; Jayko, A. S., 1986, Tectonic evolution of northwest California and southwest Oregon.

Cohee, B. P.; Somerville, P. G.; Abrahamson, N. A., 1990, Ground motions from hypothesized M_w=8 subduction earthquakes in the Pacific Northwest [abstract].

Crosson, R. S., 1990, Regional seismicity and tectonics [abstract].

Crum, S. V., 1987, The mechanics of subduction zone topography—A study of age effect in the Pacific Northwest.

Gough, D. I.; McKirdy, D. M.; Woods, D. V.; Geiger, H. D., 1989, Conductive structures and tectonics beneath the EMSLAB land array.

Rasmussen, J. R.; Humphreys, E. D., 1990, Tomographic image of the upper mantle P-wave velocity structure beneath Washington and western Oregon [abstract].*

Weaver, C. S., 1991, Geothermal seismotectonic studies.

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

STRUCTURAL GEOLOGY AND TECTONICS – OREGON – CASCADE RANGE

Bacon, C. R., 1983, Eruptive history of Mount Mazama and Crater Lake caldera, Cascade Range, U.S.A.

Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.*

Catchings, R. D.; Mooney, W. D., 1988, Crustal structure of east central Oregon—Relation between Newberry Volcano and regional crustal structure.

Coleman, R. G.; Manning, C. E.; Mortimer, N.; Donato, M. M.; Hill, L. B., 1988, Tectonic and regional metamorphic framework of the Klamath Mountains and adjacent Coast Ranges, California and Oregon.

Cotton, J. A.; Catchings, R. D., 1989, Data report for the 1983 U.S. Geological Survey east-central Oregon seismic refraction experiment.

Dawson, P. B.; Stauber, D. A., 1986, Data report for a three-dimensional high-resolution P-velocity structural investigation of Newberry Volcano, Oregon, using seismic tomography.

Gutmanis, J. C., 1989, Wrench faults, pull-apart basins, and volcanism in central Oregon—A new tectonic model based on image interpretation.

Hill, B. E., 1988, The Bull Springs inlier and its significance to Oregon central High Cascade tectonics [abstract].

Hughes, S. S., 1984, Structural and petrochemical indicators for an extensional tectonic regime imposed on central High Cascade volcanism [abstract].

Hughes, S. S., 1990, Mafic magmatism and associated tectonism of the central High Cascade Range, Oregon.*

Keach, R. W., II; Oliver, J. E.; Brown, L. D.; Kaufman, Sidney, 1989, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Kohler, W. M.; Healy, J. H.; Wegener, S. S., 1982, Upper crustal structure of the Mount Hood, Oregon region as revealed by time term analysis.*

Leaver, D. S., 1984, Mixed stochastic and deterministic modeling of the crustal structure in the vicinity of Mt. Hood, Ore. [abstract].

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1983, Seismic studies between Crater Lake and Mount Hood [abstract].

Leaver, D. S.; Mooney, W. D.; Kohler, W. M., 1984, A seismic refraction study of the Oregon Cascades.

Neumann, G. A.; Hermance, J. F., 1989, The deep crustal structure of the Oregon Cascades—Electromagnetic constraints [abstract].

Priest, G. R., 1990, Volcanic and tectonic evolution of the Cascade volcanic arc—Central Oregon.

Sherrod, D. R.; Pickthorn, L. B. G., 1989, Some notes on the Neogene structural evolution of the Cascade Range in Oregon.

Smith, G. A.; Vincent, K. R.; Snee, L. W., 1989, An isostatic model for basin formation in and adjacent to the central Oregon High Cascade Range.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Stauber, D. A.; Berge, P. A., 1985, Comparison of the P-velocity structures of Mt. Shasta, California, and Newberry Volcano, Oregon [abstract].

Stauber, D. A.; Green, S. M.; Iyer, H. M., 1988, Three-dimensional P velocity structure of the crust below Newberry Volcano, Oregon.

Taylor, E. M., 1990, Volcanic history and tectonic development of the central High Cascade Range, Oregon.*

Weaver, C. S.; Green, S. M.; Iyer, H. M., 1982, Seismicity of Mount Hood and structure as determined from teleseismic P wave delay studies.

Weaver, C. S.; Guffanti, Marianne, 1990, The fabric of late Cenozoic volcanism in the Cascade Range, Mount Rainier to Mount Hood—Crustal blocks, crustal tectonics and subduction zone considerations [abstract].

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.*

STRUCTURAL GEOLOGY AND TECTONICS – OREGON – COAST RANGE

Babcock, R. S.; Engebretson, D. C., 1991, Kula–Farallon–North America plate interactions and basalt extrusion in the Oregon–Washington Coast Range [abstract].

Heller, P. L., 1984, Tectonic rotation and basin development during mid-Tertiary extension in the Pacific Northwest [abstract].

Keach, R. W., II; Oliver, J. E.; Brown, L. D.; Kaufman, Sidney, 1989, Cenozoic active margin and shallow Cascades structure—COCORP results from western Oregon.

Ryberg, P. T., 1989, Paleocene to early Eocene depositional systems along a tectonically active continental margin, southwestern Oregon [abstract].

Souza, M. E., 1927, Physiography and structure of the Oregon Coast Range province.

STRUCTURAL GEOLOGY AND TECTONICS – OREGON – CONTINENTAL MARGIN

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Cochrane, G. R.; Moore, J. C.; MacKay, M. E.; Moore, G. F., 1990, Fluid flow in the Oregon accretionary prism from seismic data and vents [abstract].

Henry, P.; Wang, C.-Y., 1990, Modeling of fluid flow and pore pressure at the toe of the Oregon and Barbados accretionary wedges [abstract].

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

MacKay, M. E.; Moore, G. F.; Cochrane, G. R.; Moore, J. C.; Kulm, L. D., 1990, Landward vergence, oblique structural trends, and tectonic segmentation in the Oregon margin accretionary prism [abstract].

Ryberg, P. T., 1989, Paleocene to early Eocene depositional systems along a tectonically active continental margin, southwestern Oregon [abstract].

Stoddard, P. R.; Woods, M. T., 1989, Master event relocations of Gorda plate earthquakes [abstract].

Weaver, C. S.; Baker, G. E., 1988, Geometry of the Juan de Fuca plate beneath Washington and northern Oregon from seismicity.

STRUCTURAL GEOLOGY AND TECTONICS – OREGON – PORTLAND AREA–WILLAMETTE VALLEY

Davis, S. A., 1988, An analysis of the eastern margin of the Portland basin using gravity surveys.

Langston, C. A., 1981, Evidence for the subducting lithosphere under southern Vancouver Island and western Oregon from teleseismic P wave conversions.

Nazy, D. J., 1987, A seismic refraction study of a portion of the northeastern margin of the Tualatin Valley, Oregon.

Titus, W. S.; Beeson, M. H., 1988, Structural development of the Portland Basin inferred from geochemical and paleomagnetic trends in the Boring volcanics [abstract].

Werner, K. S.; Graven, E. P.; Berkman, T. A.; Parker, M. J., 1988, Direction of maximum horizontal compression in northwestern Oregon as determined by borehole breakouts [abstract].

Werner, K. S.; Nabelek, J. L.; Yeats, R. S.; Malone, S. D., 1990, The Mt. Angel fault—Implications of August, 1990, Woodburn, Oregon earthquake sequence [abstract].

Yeats, R. S., 1990, A search for active faults in the Willamette Valley, Oregon.*

STRUCTURAL GEOLOGY AND TECTONICS – OREGON – SOUTHWESTERN

Bruemmer, J. L., 1964, Gravity models for peridotite injection and local metamorphism along north-northeast-trending zones of tectonism, southwest Oregon.

Langston, C. A., 1977, Corvallis, Oregon, crustal and upper mantle receive structure from teleseismic P and S waves.

Riddihough, R. P., 1985, The Roseburg–Pendleton (ROPE) lineament, Oregon [abstract].

Ryberg, P. T., 1984, Structural influence on early Tertiary sedimentary basin geometry, southwestern Oregon [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – STRESS AND STRAIN

Adams, J. E.; Bell, J. S., 1988, Crustal stresses in North America [abstract].

Breen, N. A.; Lisowski, Michael; Prescott, W. H., 1987, Spatially varying pattern of crustal strain near the Mendocino triple junction, California [abstract].

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Dragert, Herb, 1986, A summary of recent geodetic measurement of surface deformation on central Vancouver Island, British Columbia.

Dragert, Herb, 1987, Contemporary crustal deformation measurements on central Vancouver Island. [abstract].

Dragert, Herb, 1989, Temporal changes in observed crustal strain in central Vancouver Island, British Columbia [abstract].

Dragert, Herb; Duval, R.; Lisowski, Michael, 1990, GPS crustal strain networks in coastal British Columbia [abstract].

Dragert, Herb; Kouba, J.; Lisowski, Michael, 1990, GPS measurement of crustal deformation in the northern Cascadia subduction zone [abstract].

Kerr, R. A., 1991, Big squeeze points to a big quake.

Lisowski, Michael, 1985, Geodetic strain measurements in central Vancouver Island.

Lisowski, Michael; Prescott, W. H., 1990, Crustal deformation networks monitored with GPS by the U.S. Geological Survey [abstract].

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; Dragert, Herb, 1987, Strain accumulation across the Strait of Juan de Fuca and in the Olympic Mountains, Washington [abstract].

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E., 1990, Crustal strain.

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E.; Svarc, J. L., 1991, Crustal strain.

Ma, Li, 1988, Regional tectonic stress in western Washington from focal mechanisms of crustal and subcrustal earthquakes.

Magee, M. E.; Zoback, M. L., 1989, Present state of stress in the Pacific Northwest [abstract].

Melosh, H. J., 1989, Stress and strain in the Cascadia subduction zone [abstract].

Paterson, S. R.; Brandon, M. T., 1990, The significance of strains associated with cleavage development in the Olympic Mountains, Washington [abstract].

Savage, J. C.; Lisowski, Michael, 1988, Geodetic deformation measured in Washington and British Columbia.

Savage, J. C.; Lisowski, Michael, 1991, Strain measurements and the potential for a great subduction earthquake off the coast of Washington.*

Sbar, M. L., 1983, An explanation for contradictory geodetic strain and fault plane solution data in western North America.

Spence, William, 1988, Anomalous subduction and the origins of stresses at Cascadia—A review.

Spence, William, 1989, Stress origins and earthquake potentials in Cascadia.

Zoback, M. L., 1990, Intraplate stress and deformation.*

Zoback, M. L.; Zoback, M. D., 1989, Tectonic stress field of the continental United States.

Zoback, M. L.; Zoback, M. D.; Adams, John; Bell, S.; Suter, M.; Suarez, G.; Jacob, K.; Estabrook, C.; Magee, M., 1991, Stress map of North America.

Structural geology and tectonics – Tilt, *see* **GEOPHYSICS – GEODESY AND GEODETIC SURVEYS**

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON [REGIONAL WORKS]

Chiao, L.-Y.; Creager, K. C., 1989, Kinematic deformation of the subducted Cascadia slab [abstract].

Cohee, B. P.; Somerville, P. G., 1989, Simulated strong ground motions for hypothetical M_w=8.0 earthquakes on the Cascadia plate interface [abstract].

Cohee, B. P.; Somerville, P. G.; Abrahamson, N. A., 1990, Ground motions from hypothesized M_w=8 subduction earthquakes in the Pacific Northwest [abstract].

Crosson, R. S., 1990, Regional seismicity and tectonics [abstract].

Danner, W. R., 1988, Paleontological constraints on the accreted terranes of British Columbia and Washington [abstract].

Farrar, Edward; Dixon, J. M., 1991, Ridge subduction and the thermal nature of spreading ridges [abstract].

Finn, Carol; Weaver, C. S.; Stanley, W. D., 1989, Relation of earthquakes and aeromagnetic anomalies to crustal structure in western Washington [abstract].

Gough, D. I., 1991, New evidence that upper mantle convection drives the plates and implications for the Canadian Cordillera [abstract].

Gough, D. I.; McKirdy, D. M.; Woods, D. V.; Geiger, H. D., 1989, Conductive structures and tectonics beneath the EMSLAB land array.

Hooper, P. R.; Conrey, R. M., 1989, The Olympic-Wallowa-lineament (OWL) as a Basin and Range-related megashear, and its control of magmatism during the eruption of the Columbia River basalts [abstract].

Humphreys, E. D.; Dueker, K. G.; Biasi, G. P., 1990, Upper mantle P-wave velocity structure of the western U.S. [abstract].

Irving, E.; Thorkelson, D. J., 1990, On determining paleohorizontal and latitudinal shifts—Paleomagnetism of Spences Bridge Group, British Columbia.

Lees, J. M.; Crosson, R. S., 1989, Tomographic imaging of local earthquake delay times for 3-D velocity variation in western Washington [abstract].

Potter, C. J.; Prussen, E. I.; Yoos, T. R.; Sanford, W. E.; Keach, R. W., II; Thigpen, J. L.; Oliver, J. E., 1986, Deep seismic reflection traverse of the North American Cordillera at latitude 49° N [abstract].

Rasmussen, J. R., 1989, The seismic P-wave velocity structure of the upper mantle beneath Washington and western Oregon.

Rasmussen, J. R.; Humphreys, E. D., 1988, Tomographic image of the Juan de Fuca plate beneath Washington and western Oregon using teleseismic P-wave travel times.

Rasmussen, J. R.; Humphreys, E. D., 1990, Tomographic image of the upper mantle P-wave velocity structure beneath Washington and western Oregon [abstract].*

Riddihough, R. P., 1982, One hundred million years of plate tectonics in western Canada.

Rieken, E. R.; Thiessen, R. L., 1990, SEISPLN analysis of the Juan de Fuca plate beneath western Washington [abstract].

Savage, J. C.; Lisowski, Michael, 1988, Geodetic deformation measured in Washington and British Columbia.

Savage, J. C.; Lisowski, Michael; Prescott, W. H., 1991, Strain accumulation in western Washington.

Thiessen, R. L.; Rieken, E. R., 1991, Integration of seismic foci, digital topography, and lineaments to define three-dimensional crustal fractures in western Washington [abstract].

Tillson, D. D., 1988, Computer graphical analysis of remote sensing data and some aspects of the geometry of the Juan de Fuca subducting plate, western Washington and Oregon [abstract].

Umhoefer, P. J.; Dragovich, J. D.; Cary, J. A.; Engebretson, D. C., 1989, Refinements of the "Baja British Columbia" plate-tectonic model for northward translation along the margin of western North America.

Weaver, C. S., 1991, Geothermal seismotectonic studies.*

Wheeler, J. O.; McFeely, P., 1987, Tectonic assemblage map of the Canadian cordillera and adjacent parts of the United States of America.*

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON – CASCADE RANGE (including the Okanogan Highlands)

Ague, J. J.; Brandon, M. T., 1990, Restoration of offset along the Straight Creek–Fraser fault system, Washington State and British Columbia [abstract].

Babcock, R. S.; Misch, Peter, 1988, Evolution of the crystalline core of the north Cascade Range.

Bazard, D. R.; Burmester, R. F.; Beck, M. E., Jr.; Granirer, J. L.; Schwarz, C. G., 1990, Paleomagnetism of the Methow region, north-central Washington—Structural application of paleomagnetic data in a complexly deformed, variably remagnetized terrane.

Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.*

Brown, E. H., 1988, Metamorphic and structural history of the northwest Cascades, Washington and British Columbia.

Brown, E. H.; Talbot, J. L., 1989, Late Mesozoic kinematic history of the North Cascades, Washington, and southern Coast Mountains, British Columbia [abstract].

Brown, E. H.; Talbot, J. L., 1989, Orogen-parallel extension in the North Cascades crystalline core, Washington.

Butler, R. F.; Dickinson, W. R.; Gehrels, G. E.; McClelland, W. C.; May, S. R.; Klepacki, D. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Reply.

Clayton, G. A.; Zollweg, J. E., 1987, Tertiary–Quaternary faults and the 1981 magnitude 5 earthquake in the Goat Rocks Wilderness, south-central Cascade Range, Washington [abstract].

Couch, R. W.; MacFarlane, William, 1971, A fault plane solution of the October 1969 Mt. Rainier earthquake and tectonics movements in the Pacific Northwest derived from fault plane and first motion studies.

DiLeonardo, C. G., 1991, Timing and kinematics of bounding structures of the North Creek block, northeastern Cascades Washington—Implications for the evolution of the southern Ross Lake fault zone [abstract].

Dragovich, J. D., 1989, Petrology and structure of the Cascade River Schist in the Sibley Creek area, northern Cascades, Washington.

Duncan, R. A.; Kulm, L. D., 1989, Plate tectonic evolution of the Cascades arc–subduction complex.

Evans, J. E., 1986, Influence of syndepositional tectonics on fluvial facies in a Tertiary wrench-fault basin, Chumstick Formation, Cascades Range, Washington [abstract].

Evans, J. E., 1988, Depositional environments, basin evolution and tectonic significance of the Eocene Chumstick Formation, Cascade Range, Washington.

Finn, Carol, 1988, Structure of the Washington convergent margin, implications for other subduction zones and for continental growth processes.*

Fournier, R. O., 1989, Maximum depths of earthquakes as an aid in evaluating convective and conductive heat fluxes from the Cascade province and adjacent regions.

Gallagher, M. P.; Brown, E. H.; Walker, N. W., 1988, A new structural and tectonic interpretation of the western part of the Shuksan blueschist terrane, northwestern Washington.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation of the northern Cascade mountains geomorphic province for Bumping Lake, Tieton, Keechelus, Kachess, Cle Elum, and Clear Lake dams.

Geomatrix Consultants, Inc., 1989, Seismotectonic evaluation—Northwest Rocky Mountains–Okanogan Uplands geomorphic province; Final report.

Guffanti, Marianne; Weaver, C. S., 1988, Distribution of late Cenozoic volcanic vents in the Cascade Range (USA)—Volcanic arc segmentation and regional tectonic considerations.

Haugerud, R. A., 1989, Middle Eocene orogeny in the northern Chelan block, north Cascades Range—Gravitational collapse of the Cretaceous orogen? [abstract].

Haugerud, R. A.; Miller, R. B.; Tabor, R. W.; Phillips, W. M., 1991, Ross Lake fault near Gabriel Peak, north Cascades Range, Washington [abstract].

Haugerud, R. A.; Tabor, R. W.; Stacey, J. S.; Van der Heyden, Peter, 1988, What is in the core of the North Cascades, Washington?—A new look at the structure and metamorphic history of the Skagit Gneiss of Misch (1966) [abstract].

Holden, J. C., 1980, A shifting Earth, a fiery mountain.

Hopkins, W. N., 1987, Geology of the Newby Group and adjacent units in the southern Methow trough, northeast Cascades, Washington.

Hurban, G. K., 1991, Fabric study and structural history of deformed plutonic and metamorphic rocks in the Holden area, North Cascades, Washington.

Hurban, G. K.; Talbot, J. L., 1990, Middle to Late Cretaceous change from contractional to strike-parallel shear deformation in the Holden area, North Cascades, Washington [abstract].

Hurlow, H. A., 1989, Polyphase kinematic history of the Pasayten fault in Washington—Preliminary report [abstract].

Hurlow, H. A.; Nelson, B. K., 1991, Late Cretaceous–Eocene dextral transpression in the North Cascades metamorphic core, Washington—Structural styles, U-Pb chronologic constraints, and relation to plate motions [abstract].

Irving, E., 1989, Towards an answer to Beck's question [abstract].

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Kriens, B. J., 1990, The Skagit–Methow vertical crustal section, North Cascades, Washington—A relatively intact section [abstract].

Kriens, B. J., 1991, Constraints on mid-Cretaceous thrust displacements in NW Washington based on identification of a foredeep in the Methow region [abstract].

Kriens, B. J.; Wernicke, B. P., 1990, Characteristics of a continental margin magmatic arc as a function of depth—The Skagit–Methow crustal section.*

Kriens, B. J.; Wernicke, B. P., 1990, Nature of the contact zone between the North Cascades crystalline core and the Methow sequence in the Ross Lake area, Washington—Implications for Cordilleran tectonics.

Lawrence, R. D., 1973, Plate tectonic interpretation of major structures, northern Cascade Range, Washington [abstract].

Leeman, W. P.; Smith, D. R.; Hildreth, Wes; Palacz, Zen; Rogers, Nick, 1990, Compositional diversity of late Cenozoic basalts in a transect across the southern Washington Cascades—Implications for subduction zone magmatism.*

Longtine, M. W., 1991, Mid- to Late Cretaceous structural, metamorphic, and magmatic evolution of the Sloan Peak area, North Cascades, Washington.

Longtine, M. W.; Walker, N. W., 1990, Evidence for Late Cretaceous N-S dextral shear in the west-central crystalline core, North Cascades, Washington [abstract].

Magloughlin, J. F., 1989, New perspectives on the deformational history of the Nason Terrane and the White River shear zone [abstract].

Magloughlin, J. F., 1990, Late-metamorphic non-coaxial regional deformation—Evidence for Cretaceous tectonic unroofing of the Nason terrane? [abstract].

Magloughlin, J. F., 1990, The Rock Lake shear zone—A partial solution to the geologic split personality of the Nason terrane [abstract].

Magloughlin, J. F.; McEwan, R. F., 1988, The White River shear zone—A major North Cascades terrane boundary and compressional structure [abstract].

McGroder, M. F., 1988, Structural evolution of the eastern Cascades foldbelt—Implications for late Mesozoic accretionary tectonics in the Pacific Northwest.*

McGroder, M. F., 1989, Elements of the Cascades 'collisional' orogen—Introduction to a transect from the Methow Basin to the San Juan Islands, Washington.

McGroder, M. F., 1989, Structural geometry and kinematic evolution of the eastern Cascades foldbelt, Washington and British Columbia.

McGroder, M. F., 1989, Where does the Shuksan thrust root? [abstract].

McGroder, M. F., 1991, Reconciliation of two-sided thrusting, burial metamorphism, and diachronous uplift in the Cascades of Washington and British Columbia.

Miller, M. G., 1988, Possible pre-Cenozoic left-lateral slip on the Yalakom fault, southwestern British Columbia.

Miller, R. B., 1988, Possible role of ductile shear zones in linking overstepping strike-slip faults, Ross Lake fault zone, North Cascades, Washington [abstract].

Miller, R. B., 1989, Evolution of the northeastern margin of the crystalline core of the North Cascades [abstract].

Miller, R. B., 1990, Reverse slip shear zones in the crystalline core of the North Cascades [abstract].

Miller, R. B.; Bowring, S. A.; Hoppe, W. J., 1989, Paleocene plutonism and its tectonic implications, North Cascades, Washington.

Miller, R. B.; Johnson, S. Y.; McDougall, J. W., 1990, Comment and reply on "Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex—Regional tilt rather than large displacement?"; Comment.

Misch, Peter, 1988, Tectonic and metamorphic evolution of the North Cascades—An overview.

Monger, J. W. H.; Price, R. A., 1979, Geodynamic evolution of the Canadian Cordillera—Progress and problems.

Muffler, L. J. P., 1990, Introduction to special section on the geological, geophysical, and tectonic setting of the Cascade Range.

Potter, C. J., 1989, Structure of the northern part of the Okanogan Complex, north-central Washington [abstract].

Reller, G. J., 1986, Structure and petrology of the Deer Peaks area, western North Cascades, Washington.

Rubin, C. M.; Saleeby, J. B.; Cowan, D. S.; Brandon, M. T.; McGroder, M. F., 1989, Regionally extensive mid-Cretaceous west-vergent thrust system in the northwestern Cordillera—Implications for continent-margin tectonism.

Sanford, W. E., 1986, Detailed three-dimensional structure of the deep crust in the U.S. Cordillera in north-central Washington based on COCORP data.

Sanford, W. E.; Potter, C. J.; Oliver, J. E., 1988, Detailed three-dimensional structure of the deep crust based on COCORP data in the Cordilleran interior, north-central Washington.

Sevigny, J. H.; Brown, E. H., 1989, Geochemistry and tectonic interpretation of some metavolcanic rock units of the western North Cascades, Washington.

Smith, M. T., 1988, Deformational geometry and tectonic significance of a portion of the Chilliwack Group, northwestern Cascades, Washington.

Stanley, W. D.; Fuis, G. S.; Mooney, W. D., 1989, Details of crustal structure in the Cascade Range and surrounding regions from seismic and magnetotelluric data.

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1989, Model of the midcrust in the Cascade Range region from seismic and magnetotelluric data [abstract].

Stanley, W. D.; Mooney, W. D.; Fuis, G. S., 1990, Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data.

Tabor, R. W.; Haugerud, R. A.; Brown, E. H.; Babcock, R. S.; Miller, R. B., 1989, Accreted terranes of the North Cascades Range, Washington—Spokane to Seattle, Washington July 21-29, 1989.

Talbot, J. L.; Hurban, G. K., 1990, Transition from orogen-normal contraction to orogen-parallel shear in the Cascade core, WA, and the southern Coast Plutonic Complex, BC [abstract].

Walker, N. W.; Brown, E. H., 1990, Zircon U/Pb geochronometry of mid-Cretaceous plutonic rocks in the western crystalline core, North Cascades, Washington—Implications for timing and nature of orogenesis [abstract].

Weaver, C. S., 1988, Geometry of the Juan de Fuca plate from seismicity and segmentation of the Cascade Range based on the distribution of volcanic vents.

Weaver, C. S., 1989, What controls the segmentation of the Cascade volcanic arc? [abstract].

Weaver, C. S.; Guffanti, Marianne, 1990, The fabric of late Cenozoic volcanism in the Cascade Range, Mount Rainier to Mount Hood—Crustal blocks, crustal tectonics and subduction zone considerations [abstract].

Wells, R. E., 1990, Paleomagnetic rotations and the Cenozoic tectonics of the Cascade arc, Washington, Oregon, and California.*

Whitney, D. L., 1989, Geobarometry of the Skagit Gneiss, North Cascades—Tectonic implications [abstract].

Whitney, D. L.; McGroder, M. F., 1989, Cretaceous crustal section through the proposed Insular–Intermontane suture, north Cascades, Washington.

Zollweg, J. E.; Johnson, P. A., 1989, The Darrington seismic zone of northwestern Washington.

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON – OLYMPIC PENINSULA

Applegate, J. D. R., 1989, An upper plate origin for basalt blocks in the Cenozoic subduction complex of the Olympic Mountains, northwest Washington State.

Applegate, J. D. R.; Brandon, M. T., 1989, An upper plate origin for basalt blocks in the Cenozoic subduction complex of the Olympic Mountains, northwest Washington State [abstract].

Babcock, R. S.; Engebretson, D. C., 1991, Kula–Farallon–North America plate interactions and basalt extrusion in the Oregon–Washington Coast Range [abstract].

Bogart, L. E.; Reiddy, L. A., 1987, Importance of fault mapping to mineral/geothermal exploration—Relationship to fluid migration and ore formation—Northwest Washington.

Boyer, S. E.; Lingley, W. S., Jr., 1991, Structure and kinematics of the Olympic subduction complex, NW Washington, and implications for mechanical models of accretionary prisms [abstract].

Brandon, M. T., 1990, Exhumation of young metamorphic rocks in the Olympic subduction complex, NW Washington State [abstract].

Brandon, M. T.; Calderwood, A. R., 1990, High-pressure metamorphism and uplift of the Olympic subduction complex.*

Cady, W. M.; Tabor, R. W., 1972, Olympic Peninsula in the light of plate tectonics [abstract].

Calderwood, A. R., 1991, The uplift of subduction complexes; Constraints from the Cascadia convergent margin [abstract].*

Calderwood, A. R.; Brandon, M. T., 1990, Structure and tectonics of the Olympic Mountains subduction complex, Cascadia convergent margin [abstract].

Calvert, A. J.; Clowes, R. M., 1990, Deep, high-amplitude reflections from a major shear zone above the subducting Juan de Fuca plate.

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Einarsen, J. M., 1987, The petrography and tectonic significance of the Blue Mountain unit, Olympic Peninsula, Washington.

England, T. D. J.; Calon, T. J., 1991, The Cowichan fold and thrust system, Vancouver Island, southwestern British Columbia.

Green, A. G.; Clowes, R. M.; Ellis, R. M., 1990, Crustal studies across Vancouver Island and adjacent offshore margin.

Kerr, R. A., 1991, Big squeeze points to a big quake.

Lisowski, Michael; Prescott, W. H., 1990, Crustal deformation networks monitored with GPS by the U.S. Geological Survey [abstract].

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; Dragert, Herb, 1987, Strain accumulation across the Strait of Juan de Fuca and in the Olympic Mountains, Washington [abstract].

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E., 1990, Crustal strain.

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; King, N. E.; Svarc, J. L., 1991, Crustal strain.

Ma, Li, 1988, Regional tectonic stress in western Washington from focal mechanisms of crustal and subcrustal earthquakes.

Monger, J. W. H., 1990, Regional structural setting of Vancouver, British Columbia [abstract].

Nyland, E.; Li, Quin, 1986, Analysis of seismic instability of the Vancouver Island LITHOPROBE transect.

Paterson, S. R.; Brandon, M. T., 1990, The significance of strains associated with cleavage development in the Olympic Mountains, Washington [abstract].

Roden, M. K.; Brandon, M. T., 1990, Apatite fission-track thermochronology of the Olympic subduction complex, Washington [abstract].

Savage, J. C.; Lisowski, Michael, 1991, Strain measurements and the potential for a great subduction earthquake off the coast of Washington.*

Yorath, C. J.; Davis, E. E., 1988, Cenozoic accretion history of the Vancouver Island continental margin [abstract].

Yorath, C. J.; Massey, N. W. D., 1989, Tertiary accretion history of the Vancouver Island continental margin [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON – PACIFIC COAST AND CONTINENTAL MARGIN

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].

Atwater, B. F., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Comment.

Cochrane, G. R.; Lewis, B. T. R.; McClain, K. J., 1988, Structure and subduction processes along the Oregon–Washington margin.

Finn, Carol, 1990, Geophysical constraints on Washington convergent margin structure.

Kulm, L. D.; Embley, R. W., 1988, Nature of the deformation front along the Oregon–Washington subduction zone.

Kulm, L. D.; Yeats, R. S., 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1990, Cascadia subduction zone—Neotectonics of the accretionary wedge and adjacent abyssal plain off Oregon and Washington.

Kulm, L. D.; Yeats, R. S.; Goldfinger, Chris, 1991, Accretionary wedge and adjacent abyssal plain off Oregon and Washington.

West, D. O., 1989, Coastal terraces and subduction earthquakes.

West, D. O.; McCrumb, D. R., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Reply.

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON – PUGET LOWLAND

Bucknam, R. C., 1990, Puget Sound paleoseismicity.

Bustin, R. M., 1990, Stratigraphy, sedimentology, and petroleum source rock potential of the Georgia Basin, southwest British Columbia and northwest Washington State.

Chiao, L.-Y.; Creager, K. C.; Boyd, T. M., 1989, Membrane and bending strains associated with subduction of the Cascadia slab [abstract].

Crosson, R. S., 1988, Seismic hazard from intraplate earthquakes in the Puget Sound region.

Crosson, R. S.; Owens, T. J., 1989, Testing the arch model for slab geometry of the Cascadia subduction zone in the vicinity of Puget Sound, Washington [abstract].

Hamilton, T. S.; Monger, J. W. H., 1990, Georgia Basin—Regional geology, tectonics and hydrocarbon potential [abstract].

Harding, S. T., 1989, Investigation of seismic-wave propagation for determination of crustal structure.*

Harding, S. T.; Urban, T. C.; Barnhard, T. P., 1988, Preliminary evidence of possible Quaternary faulting in Puget Sound, Washington, from a multichannel marine seismic reflection survey.

Harding, S. T.; Urban, T. C.; Diment, W. H., 1988, Evidence of recent tectonic deformation in Puget Sound from seismic-reflection profiles [abstract].

Lisowski, Michael; Prescott, W. H., 1990, Crustal deformation networks monitored with GPS by the U.S. Geological Survey [abstract].

Ma, Li, 1988, Regional tectonic stress in western Washington from focal mechanisms of crustal and subcrustal earthquakes.

Monger, J. W. H., 1991, Continent-ocean interactions built Vancouver's foundations.

Muller, J. E., 1977, Evolution of the Pacific margin, Vancouver Island, and adjacent regions.

Mustard, P. S.; Monger, J. W. H., 1991, Upper Cretaceous–Tertiary Georgia Basin, British Columbia—Forearc or foreland? [abstract].

Rogers, G. C., 1983, Seismotectonics of British Columbia [abstract].

Zoback, M. L., 1990, Intraplate stress and deformation.*

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON – SAN JUAN ISLANDS

Bogue, S. W.; Cowan, D. S.; Garver, J. I., 1989, Paleomagnetic evidence for poleward transport of Upper Jurassic rocks in the Decatur terrane, San Juan Islands, Washington.

Brandon, M. T.; Cowan, D. S.; Vance, J. A., 1988, The Late Cretaceous San Juan thrust system, San Juan Islands, Washington.

Cowan, D. S.; Brandon, M. T., 1990, New techniques for determining the slip direction in brittle fault zones—An application to the Late Cretaceous nappes of the San Juan Islands, WA [abstract].

Gallagher, M. P.; Brown, E. H.; Walker, N. W., 1988, A new structural and tectonic interpretation of the western part of the Shuksan blueschist terrane, northwestern Washington.

Maekawa, Hirokazu; Brown, E. H., 1991, Kinematic analysis of the San Juan thrust system, Washington.*

Palumbo, G. T. X.; Brandon, M. T., 1990, Gravity modeling of the geometry of the frontal thrust to the Late Cretaceous San Juan nappes, NW Washington State [abstract].

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON – SOUTHWESTERN WASHINGTON

Bourgeois, Joanne; Reinhart, M. A., 1989, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Tabor, R. W., 1986, Changing concepts of geologic structure and the problem of siting nuclear reactors—Examples from Washington State.

Washington Public Power Supply System, 1988, Cascadia subduction zone—An evaluation of the earthquake potential and implications to WNP-3; Washington Public Power Supply System response to NRC questions 230.1 and 230.2.

STRUCTURAL GEOLOGY AND TECTONICS – WASHINGTON – STRAIT OF JUAN DE FUCA

Lisowski, Michael; Savage, J. C.; Prescott, W. H.; Dragert, Herb, 1987, Strain accumulation across the Strait of Juan de Fuca and in the Olympic Mountains, Washington [abstract].

SUBSIDENCE AND UPLIFT – PACIFIC COAST [REGIONAL]

Atwater, B. F., 1988, Probable local precedent for earthquakes of magnitude 8 or 9 in the Pacific Northwest.

Grant, W. C.; Atwater, B. F.; Carver, G. A.; Darienzo, M. E.; Nelson, A. R.; Peterson, C. D.; Vick, G. S., 1989, Radiocarbon dating of late Holocene coastal subsidence above the Cascadia subduction zone—Compilation for Washington, Oregon, and northern California [abstract].

Holdahl, S. R.; Faucher, Francois; Dragert, Herb, 1989, Contemporary vertical crustal motion in the Pacific Northwest.

West, D. O., 1989, Coastal terraces and subduction earthquakes.

West, D. O.; McCrumb, D. R.; Kiel, W. A., 1987, Geomorphology, convergent margins and earthquakes.

SUBSIDENCE AND UPLIFT – PACIFIC COAST – BRITISH COLUMBIA

Brandon, M. T.; Davis, E. E.; Dragert, Herb; Hudson, R. D., 1987, The potential for geodetic monitoring of aseismic slip at the surface trace of the Vancouver Island subduction thrust [abstract].

DeYoung, E. J.; Clark, J. A., 1990, Glacioisostatic deformation caused by the Cordilleran ice sheet as an indicator of mantle viscosity in British Columbia [abstract].

Holdahl, S. R.; Faucher, Francois; Dragert, Herb, 1987, Recent vertical crustal motion in the Pacific Northwest [abstract].

Riddihough, R. P., 1982, Contemporary vertical movements and tectonics on Canada's west coast [abstract].

SUBSIDENCE AND UPLIFT – PACIFIC COAST – CALIFORNIA

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Berger, G. W.; Burke, R. M.; Carver, G. A.; Easterbrook, D. J., 1988, Thermoluminescence analyses and paleomagnetic signatures—Techniques for establishing numerical age estimates on tectonically deformed marine terraces, northern California [abstract].

Berger, G. W.; Easterbrook, D. J., 1988, Dating marine terrace deformation north of the Mendocino triple junction.*

Carver, G. A., 1989, Paleoseismicity of the southern part of the Cascadia subduction zone [abstract].

Carver, G. A., 1991, Active subduction tectonics north of the Mendocino triple junction, northwestern California [abstract].*

Carver, G. A.; Vick, G. S.; Burke, R. M., 1989, Late Holocene paleoseismicity of the Gorda segment of the Cascadia subduction zone [abstract].

Lajoie, K. R., 1986, Rapid tectonic uplift near the Mendocino triple junction recorded by emergent marine strandlines [abstract].

Merritts, Dorothy, 1986, Late Quaternary tectonism in coastal northern California—A geomorphic approach [abstract].

Vick, G. S.; Carver, G. A., 1988, Late Holocene paleoseismicity, northern Humboldt Bay, California [abstract].

SUBSIDENCE AND UPLIFT – PACIFIC COAST – OREGON

Atwater, B. F., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Comment.

Darienzo, M. E., 1989, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1987, Episodic tectonic subsidence recorded in late-Holocene salt-marshes, northwest Oregon [abstract].

Darienzo, M. E.; Peterson, C. D., 1988, Investigation of salt marsh stratigraphic response to climatic, oceanographic and tectonic-subsidence forcing processes in the Pacific Northwest region.

Darienzo, M. E.; Peterson, C. D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin.

Darienzo, M. E.; Peterson, C. D., 1990, Evidence for and implications of small-scale (m) tectonic subsidence in salt marshes of Alsea Bay, Oregon, central Cascadia margin [abstract].

Darienzo, M. E.; Peterson, C. D., 1990, Investigation of coastal neotectonics and paleoseismicity of the southern Cascadia margin as recorded in coastal marsh systems.

Grant, W. C., 1988, Evidence for late Holocene subduction earthquakes recorded in tidal marsh deposits along the Nehalem and Salmon Rivers, northern Oregon [abstract].

Grant, W. C., 1989, More evidence from tidal-marsh stratigraphy for multiple late Holocene subduction earthquakes along the northern Oregon coast [abstract].

Kelsey, H. M., 1990, Late Quaternary deformation of marine terraces on the Cascadia subduction zone near Cape Blanco, Oregon.

McInelly, G. W., 1989, Holocene and late-Pleistocene tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from marine wave-cut platforms.

McInelly, G. W.; Kelsey, H. M., 1990, Late Quaternary tectonic deformation in the Cape Arago–Bandon region of coastal Oregon as deduced from wave-cut platforms.

McInelly, G. W.; Kelsey, H. M.; Nelson, A. R., 1989, Late Pleistocene and Holocene tectonic deformation of the Whiskey Run wave-cut platform in the Cape Arago–Coos Bay area, coastal Oregon [abstract].

Muhs, D. R.; Kelsey, H. M.; Miller, G. H.; Kennedy, G. L.; Whelan, J. F.; McInelly, G. W., 1990, Age estimates and uplift rates for late Pleistocene marine terraces—Southern Oregon portion of the Cascadia forearc.

Nelson, A. R., 1987, Apparent gradual rise in relative sea level on the south-central Oregon coast during the late Holocene—Implications for the great Cascadia earthquake hypothesis [abstract].

Nelson, A. R., 1987, Earthquake recurrence and Quaternary deformation on the Cascadia subduction zone—Coastal Oregon.

Nelson, A. R., 1988, Implications of late Holocene salt-marsh stratigraphy for earthquake recurrence along the coast of south-central Oregon.*

Nelson, A. R.; Personius, S. F., 1991, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.

Nelson, A. R.; Personius, S. F.; Rhea, Susan, 1990, Earthquake recurrence and Quaternary deformation in the Cascadia subduction zone, coastal Oregon.*

Peterson, C. D., 1989, Megathrust and upper-plate paleoseismicity of the southern Cascadia margin.

Peterson, C. D.; Darienzo, M. E., 1988, Discrimination of flood, storm and tectonic events in coastal marsh records of the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1988, Episodic tectonic subsidence of late Holocene salt marshes in Oregon—Clear evidence of abrupt strain release and gradual strain accumulation in the southern Cascadia margin during the last 3,500 years.*

Peterson, C. D.; Darienzo, M. E., 1989, Episodic, abrupt tectonic subsidence recorded in late Holocene deposits of the South Slough syncline—An on-land expression of shelf fold belt deformation from the southern Cascadia margin [abstract].

Peterson, C. D.; Darienzo, M. E., 1990, Evidence of subduction zone paleoseismicity from the central Oregon margin—Alsea Bay, Oregon [abstract].

Peterson, C. D.; Darienzo, M. E.; Parker, M., 1988, Coastal neotectonic field trip guide for Netarts Bay, Oregon.

Rhea, Susan, 1988, Fluvial morphology of the Oregon coast.

Weldon, Ray; Humphreys, E. D., 1991, Crustal deformation of western Oregon.

West, D. O.; McCrumb, D. R., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Reply.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

SUBSIDENCE AND UPLIFT – PACIFIC COAST – WASHINGTON

Atwater, B. F., 1987, Coastal-wetland record of great Holocene earthquakes in Washington [abstract].

Atwater, B. F., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Comment.

Atwater, B. F., 1988, Evidence for great Holocene earthquakes along the outer coast of Washington State.

Atwater, B. F., 1988, Summary, as of 2 April 1987, of radiocarbon ages on episodes of rapid coastal subsidence in westernmost Washington State.

Atwater, B. F., 1990, Geologic studies for seismic zonation of the Puget Sound lowland.*

Atwater, B. F., 1990, Holocene paleoseismology of coastal Washington State.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.*

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

Hemphill-Haley, Eileen, 1989, Investigation into the use of estuarine microfossil zones for determining amounts of coseismic subsidence in southwestern Washington [abstract].

Holdahl, S. R.; Faucher, Francois; Dragert, Herb, 1987, Recent vertical crustal motion in the Pacific Northwest [abstract].

McCrory, P. A., 1990, Active margin tectonics, Pacific Northwest region.

Peterson, C. D.; Darienzo, M. E., 1989, Potential evidence of subduction zone tectonics from stacked peat horizons in late Pleistocene coastal terraces of the northern Cascadia margin [abstract].

Phipps, J. B.; Peterson, C. D., 1989, General submergence of Grays Harbor, Washington during the Holocene [abstract].

Shipman, Hugh, 1989, Vertical land movements in coastal Washington—Implications for relative sea level changes.*

West, D. O.; McCrumb, D. R., 1988, Comment and reply on "Coastline uplift in Oregon and Washington and the nature of Cascadia subduction-zone tectonics"; Reply.

Yamaguchi, D. K., 1991, Use of ring patterns in buried spruce stumps to test for sudden synchronous submergence of the Washington and Oregon coasts 300 years B.P.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring dating of late Holocene subsidence along the Washington and Oregon coasts—A progress report.

Yamaguchi, D. K.; Woodhouse, C. A.; Reid, M. S., 1989, Tree-ring evidence for synchronous rapid submergence of the southwestern Washington coast 300 years B.P. [abstract].

SUBSIDENCE AND UPLIFT – PUGET LOWLAND

Bucknam, R. C., 1991, Puget Sound paleoseismicity.*

Bucknam, R. C.; Barnhard, T. P., 1990, Evidence of sudden late Holocene uplift in the central Puget Lowland, Washington [abstract].*

DeYoung, E. J.; Clark, J. A., 1990, Glacio-isostatic deformation caused by the Cordilleran ice sheet as an indicator of mantle viscosity in British Columbia [abstract].

SUBSIDENCE AND UPLIFT – TERRESTRIAL

Brandon, M. T.; Calderwood, A. R., 1990, High-pressure metamorphism and uplift of the Olympic subduction complex.*

Calderwood, A. R., 1991, The uplift of subduction complexes; Constraints from the Cascadia convergent margin [abstract].*

Dragert, Herb, 1987, Contemporary crustal deformation measurements on central Vancouver Island. [abstract].

Dragert, Herb, 1987, The fall (and rise) of central Vancouver Island—1930-1985.

McGroder, M. F., 1991, Reconciliation of two-sided thrusting, burial metamorphism, and diachronous uplift in the Cascades of Washington and British Columbia.

Murphy, T. M.; Niem, A. R., 1982, Tectonic and paleoenvironmental significance and magnetic-geochemical stratigraphy of the Columbia River basalt at the middle Miocene shoreline, northwestern Oregon Coast Range [abstract].

Priest, G. R., 1989, Model for volcanic arc migration and uplift in the Cascades [abstract].

Rhea, Susan, 1988, Differential Quaternary uplift of the western Oregon Coast Range indicated by river gradient and river valley shape.

Smith, G. A.; Vincent, K. R.; Snee, L. W., 1989, An isostatic model for basin formation in and adjacent to the central Oregon High Cascade Range.

Walsh, T. J.; Logan, R. L., 1989, Land subsidence in Washington.

TACOMA, WASH. (Pierce Co.)

Baier, T. L., 1990, Spatial analysis of the public's attitudes and behaviors toward the earthquake hazard in Tacoma and Puyallup, Washington.

Buchanan-Banks, J. M., 1990, Depth to bedrock map in the greater Tacoma area, Washington.*

Herman, L. J., 1989, Chambers Creek tunnel dewatering and impact on groundwater users near Tacoma.

Medak, Alan, 1990, Lifeline panel #3.

Mikkelsen, P. E., 1989, Geotechnical monitoring during construction of two highway embankments on soft ground in Tacoma.

Rieke, R. D.; Crowser, J. C., 1987, Interpretation of pile load test considering residual stresses.

Trotman, Kenneth, 1989, Hydrogeologic investigation of the Reichhold Chemicals, Inc., facility in Tacoma, Washington.

University of Puget Sound Geology Department, 1983, Geology of Owens Beach—Fifth annual field trip, May 14, 1983.

Washington Surveying and Rating Bureau, 1966, Tacoma, Washington earthquake map, showing general areas of filled or unstable ground.

West, L. M.; Noble, J. B., 1989, Hydrostratigraphy of the Clover/Chambers Creek basin, Pierce County, Washington.

TECHNOLOGY TRANSFER

Kockelman, W. J., 1989, Reducing earthquake hazards in Oregon and Washington—An introduction to the five components necessary for effective hazard reduction.

Tephrochronology, *see* GEOCHRONOLOGY – TEPHROCHRONOLOGY

TERRACES

see also PACIFIC COAST – TERRACES

Dethier, D. P., 1988, The soil chronosequence along the Cowlitz River, Washington.

Personius, S. F., 1988, Fluvial terraces in the Oregon Coast Range—Preliminary assessment as indicators of Quaternary deformation.

TERTIARY

Evans, J. E., 1986, Influence of syndepositional tectonics on fluvial facies in a Tertiary wrench-fault basin, Chumstick Formation, Cascades Range, Washington [abstract].

Heller, P. L., 1984, Tectonic rotation and basin development during mid-Tertiary extension in the Pacific Northwest [abstract].

Jurdy, D. M.; Stefanick, Michael, 1986, Errors in plate reconstruction [abstract].

Miller, P. R., 1984, Mid Tertiary history of the Oregon western Cascades [abstract].

Ryberg, P. T., 1984, Structural influence on early Tertiary sedimentary basin geometry, southwestern Oregon [abstract].

Stock, Joann; Molnar, Peter, 1986, Quantified uncertainties in the relative positions of the Pacific, Farallon, Kula, and North American plates in the Tertiary [abstract].

Yorath, C. J.; Massey, N. W. D., 1989, Tertiary accretion history of the Vancouver Island continental margin [abstract].

Thematic mapper surveys, *see* GEOPHYSICS – THEMATIC MAPPER SURVEYS

Thermal surveys,
see
GEOPHYSICS – THERMAL SURVEYS
GEOTHERMAL RESOURCES
MARINE GEOLOGY – GEOPHYSICS – THERMAL SURVEYS and GEOTHERMAL RESOURCES
and also *see* subdivision GEOPHYSICS – THERMAL SURVEYS under specific regions, e.g., BRITISH COLUMBIA – GEOPHYSICS – THERMAL SURVEYS

Thermoluminescence dating, *see* GEOCHRONOLOGY – THERMOLUMINESCENCE DATING

THESIS BIBLIOGRAPHY

Manson, C. J., compiler, 1991, Geologic and geophysical mapping of Washington, 1984 through 1990, and, Theses on the geology of Washington, 1984 through 1990.*

THURSTON CO., WASH.

Bennett, L. C., Jr.; Bostrom, R. C.; Burk, R.; Carver, G. A.; Coombs, H. A.; Frost, B. R.; Hales, P. O.; Johnson, D.; Leo, R.; Markham, D.; and others, 1972, Nisqually delta—A report [abstract].

Berg, A. W., 1989, Formation of Mima mounds—A seismic hypothesis.*

Berg, A. W., 1991, Comment and reply on "Formation of Mima mounds—A seismic hypothesis"; Reply.*

Bodle, T. R., 1990, The relation of earthquake intensity to surface geology and elevation in western Washington State.*

Buchanan-Banks, J. M., 1989, Depth to bedrock map in the greater Tacoma area, Washington.

Coombs, H. A., 1989, The Nisqually projects—La Grande and Alder Dams.

Cox, G. W., 1990, Comment and reply on "Formation of Mima mounds—A seismic hypothesis"; Comment.

Denby, G. M.; Bangash, A. A.; Brigham, J. E.; Fragazsy, R. J., 1989, Field test to evaluate load transfer for soil anchors.

Fajfar, Peter; Vidic, Tomaz; Fischinger, Matej, 1990, A measure of earthquake motion capacity to damage medium-period structures.

Galster, R. W.; Trantham, C. I., 1989, Skookumchuck Dam.

Hecht, Jeff, 1990, Earthquakes leave loose material all shook up.

Johnson, A. C., 1991, Effects of landslide–dam-break floods on channel morphology.

King, K. W.; Tarr, A. C., 1989, Urban hazards seismic field investigations and the study of the effects of site geology on ground shaking.*

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1988, Geophysical studies in support of seismic hazards assessment of Seattle and Olympia, Washington.

King, K. W.; Tarr, A. C.; Carver, D. L.; Williams, R. A.; Worley, D. M., 1990, Seismic ground-response studies in Olympia, Washington, and vicinity.

Liu, T.-K., 1980, A spectral density and response spectra analysis of some earthquake records.

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Thurston County, Washington.

Pringle, P. T., 1990, The Nisqually landslide of September 1990.

Pringle, R. F., 1990, Soil survey of Thurston County, Washington.

Saucier, R. T., 1991, Comment and reply on "Formation of Mima mounds—A seismic hypothesis"; Comment.

Science News, 1990, Mysterious Mima mounds—Seismic source?.

Tarr, A. C.; King, K. W., 1988, U.S. Geological Survey begins seismic ground response experiments in Washington State.

Tinsley, J. C., 1988, Quaternary framework for earthquake studies, Los Angeles, California.

Tsukada, Matsuo; Schlichte, Ken, 1973, Quaternary Research Center field trip, June 2, 1973.

Washburn, A. L., 1988, Mima mounds—An evaluation of proposed origins with special reference to the Puget Lowland.

Tidal marshes, *see* **PACIFIC COAST – MARSH STRATIGRAPHY and SUBSIDENCE AND UPLIFT**

Tidal waves, *see* **TSUNAMIS**

TOMOGRAPHY

Achauer, Ulrich; Evans, J. R.; Stauber, D. A., 1988, High-resolution seismic tomography of compressional wave velocity structure at Newberry Volcano, Oregon Cascade Range.

Chiu, S. K. L.; Kanasewich, E. R.; Phadke, Suhas, 1986, Three-dimensional determination of structure and velocity by seismic tomography.

Hearn, Thomas; Beghoul, Noureddine; Barazangi, Muawia, 1991, Tomography of the western United States from regional arrival times.

Lees, J. M., 1989, Seismic tomography in western Washington.

Lees, J. M., 1990, Comparison of local tomographic P-wave velocity variations in California and Washington—Can we image fault asperities? [abstract].

Lees, J. M.; Crosson, R. S., 1989, Bayesian ART versus conjugate gradient tomographic imaging in application to delay times from local earthquakes in western Washington [abstract].*

Lees, J. M.; Crosson, R. S., 1989, Tomographic inversion for three-dimensional velocity structure at Mount St. Helens using earthquake data.

Lees, J. M.; Crosson, R. S., 1990, Tomographic imaging of local earthquake delay times for three-dimensional velocity variation in western Washington.*

Lees, J. M.; VanDecar, J. C., 1989, Seismic tomography constrained by Bouguer gravity anomalies [abstract].

Phadke, Suhas, 1988, Imaging crustal diffraction zones and seismic tomography.

Phadke, Suhas; Kanasewich, E. R., 1989, Tomographic determination of crustal structure and velocity gradients [abstract].

Rasmussen, J. R., 1989, The seismic P-wave velocity structure of the upper mantle beneath Washington and western Oregon.

Rasmussen, J. R.; Humphreys, E. DD 1988, Tomographic image of the Juan de Fuca plate beneath Washington and western Oregon using teleseismic P-wave travel times.

Rasmussen, J. R.; Humphreys, E. D., 1990, Tomographic image of the upper mantle P-wave velocity structure beneath Washington and western Oregon [abstract].*

White, D. J.; Clowes, R. M., 1989, 2D seismic refraction tomography—Application to the Juan de Fuca Ridge [abstract].

TOPOGRAPHY

Bodle, T. R., 1990, The relation of earthquake intensity to surface geology and/or elevation in western Washington State [abstract].

Crum, S. V., 1987, The mechanics of subduction zone topography—A study of age effect in the Pacific Northwest.

Ungar, S. G.; Merry, C. J.; Irish, Richard; McKim, H. L.; Miller, M. S., 1988, Extraction of topography from side-looking satellite systems—A case study with SPOT simulation data.

Tree-ring dating, *see* **GEOCHRONOLOGY – DENDROCHRONOLOGY**

TSUNAMIS

Atwater, B. F., 1988, Probable local precedent for earthquakes of magnitude 8 or 9 in the Pacific Northwest.

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.*

Bourgeois, Joanne; Reinhart, M. A., 1988, Potentially damaging waves associated with earthquakes, coastal Washington.

Bourgeois, Joanne; Reinhart, M. A., 1989, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.*

Bourgeois, Joanne; Reinhart, M. A.; Campbell, K. A., 1991, Evidence for co-seismic subsidence and tsunamis, (Mio-) Pliocene Quinault Formation, coastal Washington, USA [abstract].

Bourgeois, Joanne; Reinhart, M. A.; Wiberg, P. L., 1988, Sedimentologic effects of tsunamis—From seismogenic to impact-generated [abstract].

Heaton, T. H.; Snavely, P. D., Jr., 1985, repr. 1988, Possible tsunami along the northwestern coast of the United States inferred from Indian traditions.

Hebenstreit, G. T., 1988, Projecting the risk from a tsunami generated in the Juan de Fuca region.

Hebenstreit, G. T.; Murty, T. S., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America; Part 1—The outer coast.

Hebenstreit, G. T.; Preuss, Jane, 1988, Loss estimation methodology—Projecting the risk from a tsunami generated by a Juan de Fuca plate earthquake.

Hebenstreit, G. T.; Preuss, Jane, 1989, Projecting risks from a tsunami generated in the Juan de Fuca region.

Kozuch, M. J.; Lander, J. F., 1991, Historic tsunamis along the west coast of the United States [abstract].

Lander, J. F.; Lockridge, P. A., 1989, United States tsunamis (including United States possessions), 1690-1988.

Murty, T. S.; Boilard, Lise, 1969, The tsunami in Alberni Inlet caused by the Alaska earthquake of March 1964.

Murty, T. S.; Crean, P. B., 1986, Numerical simulation of the tsunami of June 23, 1946 in British Columbia, Canada.

Murty, T. S.; Hebenstreit, G. T., 1989, Tsunami amplitudes from local earthquakes in the Pacific Northwest region of North America, Part 2—Strait of Georgia, Juan de Fuca Strait, and Puget Sound.

Ng, M. K.-F.; LeBlond, P. H.; Murty, T. S., 1990, Simulation of tsunamis from great earthquakes on the Cascadia subduction zone.

Obee, Bruce, 1989, Tsunami!

Pattullo, J. G.; Burt, W. V.; Burdwell, G. B., 1968, Tsunami on the Oregon coast from an earthquake near Japan.

Preuss, Jane, 1988, Coastal effects of a great subduction earthquake—Regional land use implications.

Preuss, Jane; Hebenstreit, G. T., 1989, The tsunami threat in the Pacific Northwest under today's land use conditions.

Preuss, Jane; Hebenstreit, G. T., 1990, Integrated hazard assessment for a coastal community—Grays Harbor, Washington.

Reinhart, M. A.; Bourgeois, Joanne, 1989, Tsunami favored over storm or seiche for sand deposit overlying buried Holocene peat, Willapa Bay, WA [abstract].

Sokolowski, T. J.; Fuller, G. W.; Blackford, M. E.; Jorgensen, W. J., 1983, The Alaska Tsunami Warning Center's automatic earthquake processing system.

Thorsen, G. W., 1989, Overview of earthquake-induced water waves in Washington and Oregon.*

Urban Regional Research, 1988, Planning for risk—Comprehensive planning for tsunami hazard areas.

White, W. R. H., 1966, The Alaska earthquake—Its effect in Canada.

Witten, Don, 1984, Tsunami—A wave like no others.

Tunnels, *see* **ENGINEERING GEOLOGY – TUNNELS AND PIPELINES**

TURBIDITES

Adams, John, 1989, Turbidites off the Oregon–Washington margin record paleoearthquakes on the Cascadia subduction zone.*

Adams, John, 1990, Paleoseismicity of the Cascadia subduction zone—Evidence from turbidites off the Oregon–Washington margin.

Nelson, C. H.; Larsen, M. C.; Thor, D. R.; Wright, A. A., 1980, Sedimentary history of the floor of Crater Lake, Oregon—A restricted basin with non-channelized turbidites [abstract].

Tuzo Wilson Seamount, *see* **JUAN DE FUCA RIDGE – TUZO WILSON SEAMOUNT**

Uranium-lead dating, *see* **GEOCHRONOLOGY – URANIUM-LEAD DATING**

Vance Segment, *see* **JUAN DE FUCA RIDGE – VANCE SEGMENT**

Vancouver, B.C., *see* **BRITISH COLUMBIA – VANCOUVER**

Vancouver Island, B.C., *see* **BRITISH COLUMBIA – VANCOUVER ISLAND**

VANCOUVER, WASH.

Jacksha, Jerry; Roth, L. H.; Harwood, Allen, 1989, Subsurface conditions and load testing for the Glenn Jackson Bridge (Interstate Highway 205) across the Columbia River.

Madin, I. P., 1990, Earthquake-hazard geology maps of the Portland metropolitan area, Oregon—Text and map explanation.

Victoria, B.C., *see* **BRITISH COLUMBIA – VICTORIA**

Volcanic ash dating, *see* **GEOCHRONOLOGY – TEPHROCHRONOLOGY**

VOLCANISM RELATED TO EARTHQUAKES, PLATE TECTONICS, AND SUBDUCTION

see also **STRUCTURAL GEOLOGY AND TECTONICS – CASCADIA SUBDUCTION ZONE – VOLCANISM**

Armstrong, R. L.; Muller, J. E.; Harakal, J. E.; Muehlenbachs, K., 1985, The Neogene Alert Bay volcanic belt of northern Vancouver Island, Canada—Descending-plate-edge volcanism in the arc-trench gap.

Babcock, R. S.; Engebretson, D. C., 1991, Kula–Farallon–North America plate interactions and basalt extrusion in the Oregon–Washington Coast Range [abstract].

Bacon, C. R., 1983, Eruptive history of Mount Mazama and Crater Lake caldera, Cascade Range, U.S.A.

Bacon, C. R.; Lanphere, M. A.; O'Neil, J. R., 1989, Strontium and oxygen isotopes in volcanic rocks near Crater Lake, Oregon, and their bearing on arc magmatism.

Blakely, R. J.; Jachens, R. C., 1990, Volcanism, isostatic residual gravity, and regional tectonic setting of the Cascade volcanic province.*

Duncan, R. A.; Kulm, L. D., 1989, Plate tectonic evolution of the Cascades arc–subduction complex.

Ferrick, M. G.; Qamar, A. I.; St. Lawrence, W. F., 1982, Source mechanism of volcanic tremor.

Green, N. L., 1980, Spatial coexistence of two distinct magmatic associations, S.W. British Columbia—Implications for subduction zone magma genesis [abstract].

Guffanti, Marianne; Weaver, C. S., 1987, Late Cenozoic volcanism in the Pacific Northwest—Cascade arc segmentation, subducting-plate geometry, and basin-range extension [abstract].

Guffanti, Marianne; Weaver, C. S., 1988, Distribution of late Cenozoic volcanic vents in the Cascade Range (USA)—Volcanic arc segmentation and regional tectonic considerations.

Gutmanis, J. C., 1989, Wrench faults, pull-apart basins, and volcanism in central Oregon—A new tectonic model based on image interpretation.

Holden, J. C., 1980, A shifting Earth, a fiery mountain.

Hooper, P. R.; Conrey, R. M., 1989, The Olympic-Wallowa-lineament (OWL) as a Basin and Range-related megashear, and its control of magmatism during the eruption of the Columbia River basalts [abstract].

Hughes, S. S., 1984, Structural and petrochemical indicators for an extensional tectonic regime imposed on central High Cascade volcanism [abstract].

Hughes, S. S., 1990, Mafic magmatism and associated tectonism of the central High Cascade Range, Oregon.*

Kriens, B. J.; Wernicke, B. P., 1990, Characteristics of a continental margin magmatic arc as a function of depth—The Skagit–Methow crustal section.

Leeman, W. P.; Smith, D. R.; Hildreth, Wes; Palacz, Zen; Rogers, Nick, 1990, Compositional diversity of late Cenozoic basalts in a transect across the southern Washington Cascades—Implications for subduction zone magmatism.*

Morris, I., 1989, Geomorphology and evolution of the Quaternary stratovolcanoes in the High Cascades and Japan [abstract].

Muffler, L. J. P., 1990, Introduction to special section on the geological, geophysical, and tectonic setting of the Cascade Range.

Muffler, L. J. P.; and others, 1989, South Cascades arc volcanism, California and southern Oregon—Red Bluff to Redding, California, July 20-26, 1989.

Muller, J. E.; Armstrong, R. L.; Harakal, J. E.; Muehlenbachs, K., 1982, The Neogene Alert Bay volcanic belt of northern Vancouver Island [abstract].

Priest, G. R., 1989, Model for volcanic arc migration and uplift in the Cascades [abstract].

Priest, G. R., 1990, Volcanic and tectonic evolution of the Cascade volcanic arc—Central Oregon.*

Taylor, E. M., 1990, Volcanic history and tectonic development of the central High Cascade Range, Oregon.*

Verplanck, E. P.; Duncan, R. A., 1985, Temporal geochemical variations in the Western Cascades and the effect of slowing convergence rate [abstract].

Weaver, C. S., 1988, Geometry of the Juan de Fuca plate from seismicity and segmentation of the Cascade Range based on the distribution of volcanic vents.

Weaver, C. S., 1989, What controls the segmentation of the Cascade volcanic arc? [abstract].

Weaver, C. S., 1991, Geothermal seismotectonic studies.

Weaver, C. S.; Guffanti, Marianne, 1990, The fabric of late Cenozoic volcanism in the Cascade Range, Mount Rainier to Mount Hood—Crustal blocks, crustal tectonics and subduction zone considerations [abstract].

Wernicke, B. P.; Christiansen, R. L.; England, P. C.; Sonder, L. J., 1987, Tectonomagmatic evolution of Cenozoic extension in the North American Cordillera.

VOLCANOES AND VOLCANIC HAZARDS

see also names of specific volcanoes, e.g.,
MOUNT HOOD
MOUNT ST. HELENS

Armstrong, R. L.; Ward, Peter, 1991, Evolving geographic patterns of Cenozoic magmatism in the North American Cordillera—The temporal and spatial association of magmatism and metamorphic core complexes.

Beget, J. E., 1980, Tephrochronology of late-glacial and Holocene moraines in the central north Cascade Range, Washington State [abstract].

Beget, J. E., 1990, Volcanoes of Washington—Glacier Peak, Washington.

Blakely, R. J.; Wells, R. E., 1990, Cascade Range evolution—Constraints from gravity and magnetic anomalies [abstract].

Cameron, K. A.; Pringle, P. T., 1987, A detailed chronology of the most recent major eruptive period at Mount Hood, Oregon.

Evarts, R. C.; Ashley, R. P., 1989, Geology of the Cascade volcanic arc near Mount St. Helens, southwestern Washington [abstract].

Frank, D. G., 1986, Hydrothermal processes at Mount Rainier, Washington [abstract].

Friedman, J. D.; Realmuto, V. J.; Frank, D. G., 1991, Comparison of thermal features of Cordilleran volcanoes using airborne sensing systems, with special reference to Mount St. Helens, WA [abstract].*

Hammond, P. E., 1990, Volcanoes of Washington—Indian Heaven, Washington.

Hammond, P. E., 1990, Volcanoes of Washington—Marble Mountain-Trout Creek Hill zone, Washington.

Hammond, P. E.; Hooper, P. R., 1990, Program report on mapping Fifes Peaks volcano, Washington, a stratovolcano model for the western Cascades [abstract].

Hildreth, Wes, 1990, Volcanoes of Washington—Adams, Washington.

Hickson, C. J., 1990, Can it happen here? A major volcanic eruption could occur in the Canadian Cordillera—It might significantly affect our environment.

Hickson, C. J., 1991, Holocene volcanism in the Canadian Cordillera [abstract].

Hickson, C. J.; Smith, J. G.; Sherrod, D. R., 1987, Quaternary volcanic vent map—Central British Columbia to California—A progress report [abstract].

Miller, C. D., 1988, Development of volcanic-hazard-zonation maps for the Cascade Range, northwestern United States.

Miller, C. D., 1990, Volcanic hazards in the Pacific Northwest.*

Miller, T. P.; Davies, J. N., 1991, Volcanic hazards and earthquake potential of the North Pacific [abstract].

Pringle, P. T., 1990, Volcanoes of Washington—Rainier, Washington.

Scott, W. E., 1990, Patterns of post-15-ka volcanism in the Cascade arc [abstract].

Sherrod, D. R., 1987, New compilation map of the Cascade Range in Oregon.

Sherrod, D. R.; Smith, J. G., 1990, Quaternary extrusion rates of the Cascade Range, northwestern United States and southern British Columbia.*

Smith, J. G.; Sherrod, D. R., 1989, Changes in Quaternary extrusion rate and volcanic style along the Cascade arc from Mount Garibaldi to Lassen Peak [abstract].

Stauber, D. A., 1984, Oregon seismic experiment.

Swanson, D. A., 1989, Tumtum–Badger Ridge line of Quaternary vents, southern Cascades of Washington [abstract].

Swanson, D. A., 1990, Volcanoes of Washington—Goat Rocks, Washington.

Swanson, D. A., 1990, Volcanoes of Washington—St. Helens, Washington.

Swanson, D. A.; and others, 1989, Cenozoic volcanism in the Cascade Range and Columbia Plateau, southern Washington and northernmost Oregon, Seattle, Washington to Portland, Oregon, July 3-8, 1989.

Waldron, H. H., 1989, Volcanic hazards in Washington.

Westhusing, J. K., 1974, Reconnaissance surveys of near-event seismic activity in the volcanoes of the Cascade Range, Oregon.

Wolfe, E. W.; Miller, C. D., 1990, Volcano hazards in the Pacific Northwest [abstract].

Wolfe, E. W.; Miller, T. P.; Wright, T. L., 1991, The status of volcano monitoring and hazards assessment in the western United States [abstract].*

Wood, C. A., 1990, Volcanoes of Washington—Baker, Washington.

Wood, C. A., 1990, Volcanoes of Washington—Simcoe, Washington.

Wood, C. A.; Kienle, Juergen, compilers and editors, 1990, Volcanoes of North America—United States and Canada.

WAHKIAKUM CO., WASH.

Lowell, S. M., 1990, The K M Mountain landslide near Skamokawa.

Washington State
see more specific headings throughout the Index, e.g.,
EARTHQUAKES AND SEISMOLOGY - WASHINGTON
KING CO., WASH.
PUGET LOWLAND

Waste disposal, *see* ENGINEERING GEOLOGY - WASTE AND SEWAGE DISPOSAL

WHATCOM CO., WASH. - AREAL GEOLOGY

Brown, E. H., 1990, Geology of the Skagit crystalline core and northwest Cascades system.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Hamilton, T. S.; Monger, J. W. H., 1990, Georgia Basin—Regional geology, tectonics and hydrocarbon potential [abstract].

Hart-Crowser and Associates, Inc., 1976, Hydrogeologic review and reconnaissance, Point Roberts, Washington.

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

McGroder, M. F., 1988, Structural evolution of the eastern Cascades foldbelt—Implications for late Mesozoic accretionary tectonics in the Pacific Northwest.*

McGroder, M. F.; Miller, R. B., 1989, Geology of the eastern North Cascades.

WHATCOM CO., WASH. - BIBLIOGRAPHY

Manson, C. J., compiler, 1990, Bibliography of the geology and mineral resources of Whatcom County, Washington.

WHATCOM CO., WASH. - EARTHQUAKES AND SEISMOLOGY

Finn, W. D. L.; Woeller, D. J.; Davies, M. P.; Luternauer, J. L.; Hunter, J. A.; Pullan, S. E., 1989, New approaches for assessing liquefaction potential of the Fraser River delta, British Columbia.

Luternauer, J. L., 1990, 1989 field activities and accomplishments of geophysical and geotechnical land-based operations and marine/fluvial surveys, Fraser River delta, British Columbia.

Person, W. J., 1981, Earthquakes, May-June 1981.

Qamar, A. I.; Zollweg, J. E., 1990, The 1990 Deming, Washington earthquakes—A sequence of shallow thrust earthquakes in the Pacific Northwest [abstract].

Washington Surveying and Rating Bureau, compiler, 1966, Bellingham and vicinity earthquake map, showing general areas of unstable ground.

WHATCOM CO., WASH. - ENGINEERING GEOLOGY (including rock mechanics, soil mechanics, and liquefaction)

Coombs, H. A., 1989, The Baker project.

Coombs, H. A., 1989, The Skagit projects—Ross, Diablo, and Gorge Dams.

Finn, W. D. L.; Woeller, D. J.; Davies, M. P.; Luternauer, J. L.; Hunter, J. A.; Pullan, S. E., 1989, New approaches for assessing liquefaction potential of the Fraser River delta, British Columbia.

Jurich, David; Harris, Craig; Moody, Thomas, 1989, Investigation and improvement of the Upper Baker Dam foundation drainage system—A case history [abstract].

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

Thorsen, G. W., 1989, Splitting and sagging mountains.

Washington Surveying and Rating Bureau, compiler, 1966, Bellingham and vicinity earthquake map, showing general areas of unstable ground.

WHATCOM CO., WASH. - ENVIRONMENTAL IMPACT STATEMENTS

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

WHATCOM CO., WASH. - GEOCHRONOLOGY

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

WHATCOM CO., WASH. – GLACIAL GEOLOGY

Clague, J. J.; Saunders, I. R.; Roberts, M. C., 1988, Ice-free conditions in southwestern British Columbia at 16,000 years BP.

Danner, W. R., 1969, Pleistocene stratigraphy and sedimentary structures at the southeastern side of Point Roberts, Washington [abstract].

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

WHATCOM CO., WASH. – GUIDEBOOKS

Brown, E. H., 1990, Geology of the Skagit crystalline core and northwest Cascades system.

Easterbrook, D. J., 1966, Glaciomarine environments and the Fraser glaciation in northwest Washington—Guidebook for first Annual Field Conference, Pacific Coast Section, Friends of the Pleistocene, September 24-25, 1966.

Johnson, S. Y., 1985, Stratigraphy and sedimentology of the Eocene Chuckanut Formation on Bellingham Bay, Washington.

McGroder, M. F.; Miller, R. B., 1989, Geology of the eastern North Cascades.

WHATCOM CO., WASH. – LANDSLIDES AND SLOPE STABILITY

Buchanan, Peter; Savigny, K. W., 1990, Factors controlling debris avalanche initiation.

Buchanan, Peter; Savigny, K. W.; De Vries, J., 1990, A method for modeling water tables at debris avalanche headscarps.

Gowan, M. E., 1989, Landslides as debris sources for floods in a mountain basin [abstract].

Gowan, M. E., 1989, The mechanisms of landslide initiation and flood generation in the Boulder Creek basin, Whatcom County, Washington.

Orme, A. R., 1989, The nature and rate of alluvial fan aggradation in a humid temperate environment, northwest Washington.

Orme, A. R., 1990, Recurrence of debris production under coniferous forest, Cascade foothills, northwest United States.

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

Schreier, H., 1987, Asbestos fibres introduce trace metals into streamwater and sediments.

Thorsen, G. W., 1989, Splitting and sagging mountains.

WHATCOM CO., WASH. – MAPS – GEOLOGIC

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Kriens, B. J.; Wernicke, B. P., 1990, Nature of the contact zone between the North Cascades crystalline core and the Methow sequence in the Ross Lake area, Washington—Implications for Cordilleran tectonics.

McGroder, M. F., 1988, Structural evolution of the eastern Cascades foldbelt—Implications for late Mesozoic accretionary tectonics in the Pacific Northwest.*

WHATCOM CO., WASH. – SEA LEVEL

Grabert, G. F.; Larsen, C. E., 1975, Marine transgressions and cultural adaptation—Preliminary tests of an environmental model.

Whatcom Co., Wash. – Soil mechanics, *see* **WHATCOM CO., WASH. – ENGINEERING GEOLOGY**

WHATCOM CO., WASH. – SOILS, SEDIMENTS, and STRATIGRAPHY

Bustin, R. M., 1990, Stratigraphy, sedimentology, and petroleum source rock potential of the Georgia Basin, southwest British Columbia and northwest Washington State.

Danner, W. R., 1969, Pleistocene stratigraphy and sedimentary structures at the southeastern side of Point Roberts, Washington [abstract].

England, T. D. J., 1989, Lithostratigraphy of the Nanaimo Group, Georgia Basin, southwestern British Columbia.

Goldin, Alan, 1988, Statistical comparison of the 1941 and 1983 soil survey maps of Whatcom County, Washington.

Johnson, S. Y., 1985, Stratigraphy and sedimentology of the Eocene Chuckanut Formation on Bellingham Bay, Washington.

Peck, C. A., and Associates, 1976, Draft environmental impact statement for Seacliff, residential development.

Schreier, H., 1987, Asbestos fibres introduce trace metals into streamwater and sediments.

WHATCOM CO., WASH. – STRUCTURAL GEOLOGY AND TECTONICS

Bustin, R. M., 1990, Stratigraphy, sedimentology, and petroleum source rock potential of the Georgia Basin, southwest British Columbia and northwest Washington State.

DiLeonardo, C. G., 1991, Timing and kinematics of bounding structures of the North Creek block, northeastern Cascades Washington—Implications for the evolution of the southern Ross Lake fault zone [abstract].

Gallagher, M. P.; Brown, E. H.; Walker, N. W., 1988, A new structural and tectonic interpretation of the western part of the Shuksan blueschist terrane, northwestern Washington.

Hamilton, T. S.; Monger, J. W. H., 1990, Georgia Basin—Regional geology, tectonics and hydrocarbon potential [abstract].

Haugerud, R. A., 1989, Middle Eocene orogeny in the northern Chelan block, north Cascades Range—Gravitational collapse of the Cretaceous orogen? [abstract].

Kriens, B. J., 1988, Tectonic evolution of the Ross Lake area, northwest Washington–southwest British Columbia.*

Kriens, B. J., 1990, The Skagit–Methow vertical crustal section, North Cascades, Washington—A relatively intact section [abstract].

Kriens, B. J.; Wernicke, B. P., 1990, Characteristics of a continental margin magmatic arc as a function of depth—The Skagit–Methow crustal section.*

Kriens, B. J.; Wernicke, B. P., 1990, Nature of the contact zone between the North Cascades crystalline core and the Methow sequence in the Ross Lake area, Washington—Implications for Cordilleran tectonics.

Maekawa, Hirokazu; Brown, E. H., 1991, Kinematic analysis of the San Juan thrust system, Washington.

McGroder, M. F., 1988, Structural evolution of the eastern Cascades foldbelt—Implications for late Mesozoic accretionary tectonics in the Pacific Northwest.*

Sevigny, J. H.; Brown, E. H., 1989, Geochemistry and tectonic interpretation of some metavolcanic rock units of the western North Cascades, Washington.

WHATCOM CO., WASH. – VOLCANISM

Kriens, B. J.; Wernicke, B. P., 1990, Characteristics of a continental margin magmatic arc as a function of depth—The Skagit–Methow crustal section.*

Wood, C. A., 1990, Volcanoes of Washington—Baker, Washington.

WILLAPA BAY (Pacific Co., Wash.)

Atwater, B. F., 1988, Evidence for great Holocene earthquakes along the outer coast of Washington State.

Atwater, B. F., 1990, Geologic studies for seismic zonation of the Puget Sound lowland.

Atwater, B. F., 1991, Holocene paleoseismology, western Washington.

Atwater, B. F.; Stuiver, Minze, 1991, Precise ^{14}C ages for sudden Holocene submergence in Washington [abstract].

Atwater, B. F.; Yamaguchi, D. K., 1991, Sudden, probably coseismic submergence of Holocene trees and grass in coastal Washington State.

Bourgeois, Joanne, 1988, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.*

Bourgeois, Joanne; Reinhart, M. A., 1988, Potentially damaging waves associated with earthquakes, coastal Washington.

Bourgeois, Joanne; Reinhart, M. A., 1989, Sedimentological analysis of postulated tsunami-generated deposits from great-subduction earthquakes along Washington's outer coast.

Clifton, H. E.; Phillips, R. L., 1974, Coastal sedimentation [abstract].

Hemphill-Haley, Eileen, 1989, Investigation into the use of estuarine microfossil zones for determining amounts of coseismic subsidence in southwestern Washington [abstract].

Reinhart, M. A.; Bourgeois, Joanne, 1989, Tsunami favored over storm or seiche for sand deposit overlying buried Holocene peat, Willapa Bay, WA [abstract].

YAKIMA CO., WASH.

Geomatrix Consultants, Inc., 1988, Seismotectonic evaluation of the northern Cascade mountains geomorphic province for Bumping Lake, Tieton, Keechelus, Kachess, Cle Elum, and Clear Lake dams.

Hammond, P. E.; Hooper, P. R., 1990, Program report on mapping Fifes Peaks volcano, Washington, a stratovolcano model for the western Cascades [abstract].

Hildreth, Wes, 1990, Volcanoes of Washington—Adams, Washington.

Hildreth, Wes; Fierstein, Judy, 1989, Preliminary geologic map of the Mount Adams volcanic field, Cascade Range of southern Washington [abstract].

Jonientz-Trisler, Chris; Qamar, A. I., 1989, Debris flow seismograms from Mt. Rainier and Mt. Adams [abstract].

Miller, R. B., 1989, The Mesozoic Rimrock Lake inlier, southern Washington Cascades—Implications for the basement to the Columbia Embayment.

Person, W. J., 1981, Earthquakes, May-June 1981.

Smith, G. A.; Fritz, W. J., 1989, Penrose Conference report—Volcanic influences on terrestrial sedimentation.

Swanson, D. A., 1990, Volcanoes of Washington—Goat Rocks, Washington.