Below is a preliminary list of reference citations to get you started on your topic. I have copies of some of these marked with "on file" or "pdf" in bold. Otherwise use internet "Google Scholar" search engine (<u>http://scholar.google.com/</u>) and GEOREF database via library (<u>http://www.wou.edu/provost/library/</u> databases/titleg.htm) to find copies. There are other resources as well, but these are recommended as starting points.

ACTIVE TECTONICS OF OREGON/PNW / TSUNAMI RECORD OF SEISMICITY

Adams, J., 1984, Active deformation of the pacific northwest continental margin, Tectonics, v. 3, no. 4, pp. 449-472.

Atwater, B.F., Nelson, A.R., Clague, J.J., Carver, G.A., Yamaguchi, D.R., Bobrowsky, P.T., Bourgeois, J., Darienzo, M.E., Grant, W.C., Hemphill-Haley, E., Kelsey, H.M., Jacoby, G.C., Nishenko, S.P., Palmer, S.P., Peterson, C.D., Reinhart, M.A., 1995, Summary of coastal geologic evidence for past great earthquakes at the Cascadia subduction zone, Earthquake Spectra, v. 11, no. 1, p. 1-18.

Darienzo, Mark E.; Peterson, Curt D., 1990, Episodic tectonic subsidence of late Holocene salt marshes, northern Oregon central Cascadia margin: Tectonics, v. 9, n. 1, p. 1-22.

On File dari90.pdf

- Darienzo M.E.; Peterson C.D.; Clough C., 1994, Stratigraphic evidence for great subduction-zone earthquakes at four estuaries in northern Oregon, USA: Journal of Coastal Research, v10 n4, pp 850-876.
- Darienzo, M.E., and Peterson, C.D., 1995, Magnitude and frequency of subduction-zone earthquakes along the northern Oregon coast in the past 3,000 years, Oregon Geology, v. 57, no. 1, p. 3-12.
- Jacoby G.C.; Bunker D.E.; Benson B.E., 1997, Tree-ring evidence for an A.D. 1700 Cascadia earthquake in Washington and northern Oregon: Geology, v25 n11, pp 999-1002.

On File NO pdf

Jacoby, G.C. and Bunker, D.E., 1998, Tree-ring dating of coseismic coastal subsidence in the pacific northwest Region <u>http://erp-web.er.usgs.gov/reports/VOL39/pn/g2451.htm</u>

On File No PDF

Kelsey H.M., 1990, Late Quaternary deformation of marine terraces on the Cascadia subduction zone near Cape Blanco, Oregon: Tectonics, v9 n5, pp 983-1014.

On File kels90.pdf

Kelsey H.M.; Ticknor R.L.; Bockheim J.G.; Mitchell C.E., 1996, Quaternary upper plate deformation in coastal Oregon: Geological Society of America Bulletin, v108 n7, pp 843-860.

On File NO pdf

Long A.J.; Shennan I., 1994, Sea-level changes in Washington and Oregon and the "earthquake deformation cycle": Journal of Coastal Research, v10 n4, pp 825-838.

On File long94.pdf

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: Journal of Geophysical Research, v95 nB5, pp 6699-6713.

On File mcin90.pdf

Mitchell C.E.; Vincent P.; Weldon II R.J.; Richards M.A., 1994, Present-day vertical deformation of the Cascadia Margin, Pacific northwest, United States: Journal of Geophysical Research, v99 nB6, pp 12,257-12,277.

On File mitch94.pdf

Muhs D.R.; Whelan J.F.; McInelly G.W.; Kelsey H.M.; Miller G.H.; Kennedy G.L., 1990, Age estimates and uplift rates for Late Pleistocene marine terraces: southern Oregon portion of the Cascadia Forearc: Journal of Geophysical Research, v95 nB5, pp 6685-6698.

On File muhs90.pdf(??)

Peterson, C.D., and Priest, G.R., 1995, Preliminary reconnaisance survey of Cascadia paleotsunami deposits in Yaquina Bay, Oregon, Oregon Geology, v. 57, no. 2, pp. .33-40.

On File No PDF

Peterson, Curt D.; Darienzo, Mark E.; Burns, Scott F.; Burris, William K., 1993, Field trip guide to Cascadia paleoseismic evidence along the northern Oregon Coast; evidence of subduction zone seismicity in the central Cascadia Margin: Oregon Geology, v. 55, n. 5, p. 99-114.

On File NO pdf

Pezzopane S.K.; Weldon II R.J., 1993, Tectonic role of active faulting in central Oregon: Tectonics, v12 n5, pp 1140-1169.

On File pezz93.pdf

Reilinger, R. and Adama, J., 1982, Geodetic evidence for active landward tilting of the Oregon and Washington Coastal ranges, Geophysical Research Letters, v. 9, p. 401-403.

Shennan I.; Innes J.B.; Green F.M.; Walker K.J.; Long A.J.; Rutherford M.M., 1998, Tidal marsh stratigraphy, sea-level change and large earthquakes - II: Submergence events during the last 3500 years at Netarts Bay, Oregon, USA: Quaternary Science Reviews, v17 n4-5, pp 365-393.

On File shenn98.pdf

VOLCANIC HAZARDS OF PNW

Bacon, C.R., Mastin, L.G., Scott, K.M., Nathenson, M., 1997, Volcano and earthquake hazards in the Crate Lake region, Oregon. U.S. Department of the Interior USGS Open-file report 97-187.

On file

Hoblitt, R.P., Walder, J.S., Driedger, C.L., Scott, K.M., Pringle, P.T., Vallance, J.W., 1998 Volcano hazards from Mount Rainier, Washington, Revised 1998. U.S. Department of the Interior USGS Open-file report 98-428.

On file

Scott, W.E., Iverson, R.M., Vallance, J.W., Hildreth, W., 1995, Volcano hazards in the Mount Adams region, Washington. USGS Open-file report. Morrison, R.B., ed., Quaternary nonglacial geology; Conterminours U.S.: Boulder, Colorado, Geological Society of America, The Geology of North America, v. K-2.

On file

Scott, W.E., Pierson, T.C., Schilling, S.P., Costa, J.E., Gardner, C.A., Vallance, J.W., Major, J.J., 1997, Volcano hazards in the Mount Hood region, Oregon. U.S. Department of the Interior USGS Open-file report 97-89.

On file

Sherrod, D.R., Mastin, L.G., Scott, W.E., Schilling, S.P., 1997, Volcano hazards at Newberry Volcano, Oregon. U.S. Department of the Interior USGS Open-file report97-513.

On file

Walder, J.S., Gardner, C.A., Conrey, R.M., Fisher, B.J., Schilling, S.P., 1999, Volcano hazards in the Mount Jefferson region, Oregon. U.S. Department of the Interior USGS Open-file report 99-24.On file

SEA LEVEL CHANGE AND GEOMORPHIC HISTORY ON OREGON COAST

Burns, Scott F., 1998, Coastal erosion and landslides resulting from El Nino in 1997-1998 in Oregon: Abstracts with Programs - Geological Society of America, v. 30, n. 7, p. 251.

On File burns98.pdf (CD)

Hunter R.E., 1980, Depositional environments of some Pleistocene coastal terrace deposits, southwestern Oregon - case history of progradational beach and dune sequence: Sedimentary Geology, v27 n4, pp 241-262.

Komar, Paul D., 1992, Ocean processes and hazards along the Oregon coast: Oregon Geology, v. 54, n. 1, p. 3-19.

On File NO pdf

- Komar, Paul D., 1998, El Nino and coastal erosion in the Pacific Northwest: Oregon Geology, v. 60, n. 3, p. 57-64.
- Komar, Paul D.; Schlicker, Herb, 1980, Beach processes and erosion problems on the Oregon coast, in Oles, Keith F.; Johnson, J. Granville; Niem, Alan R.; Niem, Wendy A., Geologic field trips in western Oregon and southwestern Washington: Bulletin - Oregon, Department of Geology and Mineral Industries, , n. 101, p. 169-173.

On File NO pdf

- Long A.J.; Shennan I., 1994, Sea-level changes in Washington and Oregon and the "earthquake deformation cycle": Journal of Coastal Research, v10 n4, pp 825-838.
- On File long94.pdf
- Lund, Ernest H., 1972, Coastal landforms between Yachats and Newport, Oregon: The Ore Bin, v. 34, n. 5, p. 73-91.

On File NO pdf

GLACIAL / PLEISTOCENE CLIMATE HISTORY OF PACIFIC NORTHWEST

Atwood, W.W., 1935, The glacial history of an extinct volcano, Crater Lake National Park, Journal of Geology, v. 43, p. 142-168.

- Barnosky, C.W., Anderson, P.M., Bartlein, P.J., 1987, The northwestern United States during deglaciation; vegetational history and paleoclimatic implications, in Ruddiman, W.F. and Wright, H.E., eds., North America and adjacent oceans during the last deglaciation: Boulder, Colorado, GSA, Geology of North America, v. K-3.
- Bartlein P.J.; Edwards M.E.; Mock C.J.; Thompson R.S.; Webb R.S.; Webb III T.; Whitlock C.; Anderson K.H.; Anderson P.M., 1998, Paleoclimate simulations for North America over the past 21,000 years: Features of the simulated climate and comparisons with paleoenvironmental data: Quaternary Science Reviews, v17 n6-7, pp 549-585.
- On File bart98.pdf (CD)
- Booth, D.B., 1987, Timing and processes of deglaciation along the southern margin of the Cordilleran ice sheet, in Ruddiman, W.F. and Wright, H.E., eds., North America and adjacent oceans during the last deglaciation: Boulder, Colorado, GSA, Geology of North America, v. K-3.
- Burke, R. M.; Birkeland, P. W., 1983, Holocene glaciation in the mountain ranges of the western United States: The Holocene, v. 2, p. 3-11.

On File burbir83.pdf (CD)

Crandell, D.W., 1967, Glaciation at Wallowa Lake, Oregon: U.S. Geological Survey Professional Paper 575-C, p. C145-153.

Crandell, D.R., 1965, The glacial history of western Washington and Oregon, in The Quaternary of the U.S., Wright, H.E. and Frey, D.G., eds., p. 341-353, Princeton University Press.

- Davis P.T., 1988, Holocene glacier fluctuations in the American Cordillera: Quaternary Science Reviews, v7n2, pp 129-157.Geobase NUMBER: 0764572Davis88.pdf (CD)
- Driedger, Carolyn L.; Kennard, Paul M., 1986, Ice volumes on Cascade volcanoes; Mount Rainier, Mount Hood, Three Sisters, and Mount Shasta: U. S. Geological Survey Professional Paper, P 1365, 28 p.

On File No PDF

Dupre, W. R.; Morrison, Roger B.; Clifton, H. E.; Lajoie, K. R.; Ponti, D. J.; Powell, C. L., II; Mathieson, S. A.; Sarna-Wojcicki, Andrei M.; Leithold, E. L.; Lettis, W. R.; McDowell, P. F.; Rockwell, T. K.; Unruh, J. R.; Yeats, R. S., 1991, Quaternary geology of the Pacific margin, in Morrison, Roger B., Quaternary nonglacial geology; conterminous U.S. - The geology of North America: Geol. Soc. Am., v. K-2, p. 141-214.

On File No PDF

Easterbrook, D.J., 1969, Pleistocene chronology of the Puget lowland and San Juan Islands, Washington, Geological Society of America Bulletin, v. 80, p. 2273-2286.

Easterbrook D.J., 1986, Stratigraphy and chronology of Quaternary deposits of the Puget lowland and Olympic Mountains of Washington and the Cascade Mountains of Washington and Oregon: Quaternary Science Reviews, v5, pp 145-159.

On File eastr86.pdf (CD)

- Forman, S.L., Smith, R.P., Hackert, W.R., Tullis, J.A., and McDaniel, P.A., 1993, Timing of Late Quaternary glaciations in the western United States based on the age of loess on the eastern Snake River Plain, Idaho: Quaternary Research, v. 40, p. 30-37.
- Grigg L.D.; Whitlock C., 1998, Late-Glacial vegetation and climate change in western Oregon: Quaternary Research, v49 n3, pp 287-298.

On File grigg98.pdf (CD)

- Hostetler S.W.; Clark P.U., 1997, Climatic controls of western U.S. glaciers at the last glacial maximum: Quaternary Science Reviews, v16 n6, pp 505-511. Geobase NUMBER: 0267590
- Scott, W. E., 1977, Quaternary glaciation and volcanism, Metolius River area, Oregon: Geological Society of America Bulletin, v. 88, n. 1, p. 113-124.

On File NO pdf

Sigafoos, R.S. and Hendricks, E.L., 1972, Recent activity of glaciers of Mount Rainier, Washington, U.S. Geological Survey Professional Paper, v. 387-B, p. B1-B24.

MISSOULA FLOODS / COLUMBIA GORGE HISTORY

Allison, I. S., 1978, Late Pleistocene sediments and floods in the Willamette Valley: The Ore Bin, v. 40, n. 12, p. 193-202.

On File No PDF

Atwater B.F., 1987, Status of glacial Lake Columbia during the last floods from glacial Lake Missoula: Quaternary Research, v27 n2, pp 182-201.

On File atwat87.pdf (CD)

Beeson, M.H. and Tolan, T.L., 1987, Columbia River Gorge: the geologic evolution of the Columbia River in northwestern Oregon and southwestern Washington, GSA Centennial Field Guide – Cordilleran Section.
On File No PDF

Bretz, J.H., 1969, The Lake Missoula floods and the channeled scabland: Journal of Geology, v. 77, p. 505-543.

O'Connor J.E.; Baker V.R., 1992, Magnitudes and implications of peak discharges from glacial Lake Missoula: Geological Society of America Bulletin, v104 n3, pp 267-279/

On File NO pdf

O'Connor, James E.; Waitt, Richard B.; Johnston, David A.; Benito, Gerardo; Cordero, David; Burns, Scott, 1995b, Beyond the Channeled Scabland; a field trip to Missoula flood features in the Columbia, Yakima, and Walla Walla valleys of Washington and Oregon, Part 1; Field trip, day one: Oregon Geology, v. 57, n. 4, p. 51-60.

On File NO pdf

Scott, W. Frank, 1980, Geology of the Columbia Basin: Journal of Forestry, v. 78, n. 9, p. 537-541.

Shaw, J., Munro-Stasiukm M., Sawyer, B., Beaney, C., Lessemann, J., Mussacchio, A., Rains, B., Young, R.R.,

Atwater, B.F., Smith, G.A., and Waitt, R.B., 1999, The Channeled Scabland; back to Bretz?; discussion and reply: Geology, V. 27, p. 605-608. **On File NO pdf**

Waitt, R.B., 1985, Case for periodic, collosal joekulhlaups from Pleistocene glacial Lake Missoula: Geological Society of America Bulletin, v. 96, n. 10, p. 1271-1286.

On File NO pdf

PLUVIAL LAKE HISTORY OF EASTERN OREGON

Allen, John Eliot, 1984, Oregon lakes and their origins: Oregon Geology, v. 46, n. 12, p. 143-146. **No PDF**

Allison, I.S., 1979, Pluvial Fort Rock Lake, Lake County, Oregon, Oregon State Department of Geology and Mineral Industries Special Paper No. 7.

Allison, I.S., 1982, Geology of Pluvial Lake Chewaucan, Lake County, Oregon, Oregon State University Geologyic Study 11, Oregon State University Press, Corvallis, Oregon.

Allison, Ira S., 1979, Pluvial Fort Rock Lake, Lake County, Oregon: Special Paper - Oregon, Department of Geology and Mineral Industries, , n. 7, 72 p.

Benson, L.V., Currey, D.R., Dorn, R.I., Lajoie, K.R., Oviatt, C.G., Robinson, S.W., Smith, G.I., and Stine, S., 1990, Chronology of expansion and contraction of four Great Basin lake systems during the past 35,000 years, Paleography, Paleoclimatology, Paleoecology, v. 78, p. 241-286.

Gehr, K. D.; Newman, T. M., 1978, Preliminary note on the late Pleistocene geomorphology and archaeology of the Harney Basin, Oregon: The Ore Bin, v. 40, n. 10, p. 165-170.

On File NO pdf

McDowell, P.F., 1992, An Overview of Harney Basin geomorphic history, climate, and hydrology, in Land and life at Malheur Lake:Preliminary geomorphic andarchaeologic investigations, Raven, C. and Elston, R.G., eds., p. 13-34, U.S. Department of the Interior, Fish and Wildlife Cultural Resource Series, Number 8, U.S.D.I. Fish and Wildlife Service, Portland, Oregon.

DEBRIS FLOW / LANDSLIDE HAZARDS IN OREGON (I have quite a few more than this, see me)

- Benda, Lee E., 1988, Debris flows in the Tyee sandstones of the Oregon Coast Range: M.S. Thesis, University of Washington, Seattle, WA, 134 p.
- Benda, Lee E., 1990, The influence of debris flows on channels and valley floors in the Oregon Coast Range, U.S.A.: Earth Surface Processes and Landforms, v. 15, n. 5, p. 457-466.

On File benda90.pdf (CD)

Beaulieu, J. D., 1978, Surficial geologic hazard concepts for Oregon: The Ore Bin, v. 40, n. 3, p. 41-56. **On File No PDF**

Currey, D.R., 1990, Quaternary paleolakes in the evolution of semidesert basins, with special emphasis on Lake Bonneville and the Great Basin, U.S.A.: Paleogeography, Paleoclimatology, Paleoecology, v. 76, p. 189-214. Gallino, Gary L.; Pierson, Thomas C., 1985, Polallie Creek debris flow and subsequent dam-break flood of 1980, East Fork Hood River basin, Oregon: U. S. Geological Survey Water-Supply Paper, W 2273, 22

p.

On File gall85.pdf (CD)

Johnson, Sarah E., 1997, 1996 Tumalt Creek debris flows and debris avalanches in the Columbia River gorge east of Portland, Oregon, in Chen, Cheng-lung, First international conference on Debris-flow hazards mitigation; mechanics, prediction and assessment: American Society of Civil Engineers, New York, NY, United States, p. 395-404.

On File john97.pdf (CD)

Wiley, T.J., 2000, Relationship between rainfall and debris flows in western Oregon, Oregon Geology, v. 62, no. 2, pp. 27-43.

On File No PDF

WESTERN OREGON RIVER PROCESSES / SALMON HABITAT

Grant, G. E.; Swanson, F. J., 1995, Morphology and processes of valley floors in mountain streams, western Cascades, Oregon, in Costa, John E.; Miller, Andrew J.; Potter, Kenneth W.; Wilcock, Peter R., Natural and anthropogenic influences in fluvial geomorphology; the Wolman Volume: American Geophysical Union, Geophysical Monograph, v. 89, p. 83-101.

On File NO pdf

Grant G.E.; Wolff A.L., 1991, Long-term patterns of sediment transport after timber harvest, western Cascade Mountains, Oregon, USA, in Peters N.E., ed., Sediment and stream water quality in a changing environment: Proc. symposium, Vienna, 1991, 31-40, IAHS; Publication, 203.

On File grant91.pdf (CD)

Hicks, Brendan John, 1989, The influence of geology and timber harvest on channel morphology and salmonid populations in Oregon Coast Range streams: Ph.D. Dissertation, Oregon State University, Corvallis, OR, 212 p.

Nakamura F.; Swanson F.J., 1994, Distribution of coarse woody debris in a mountain stream, western Cascade Range, Oregon: Canadian Journal of Forest Research, v24 n12, pp 2395-2403.

On File NO pdf

Spies T.A.; Franklin J.F.; Thomas T.B., 1988, Coarse woody debris in Douglas-fir forests of western Oregon and Washington: Ecology, v69 n6, pp 1689-1702.

On File spies88.pdf(??).