NW Hydrology References Updated March 3, 2006

d:wou:research:nwrefs:nwhydro.wpd

- Bernert J.A.; Daggett S.G.; Bierly K.F.; Eilers J.M.; Eilers B.J.; Blok E., 1999, Recent wetlands trends (1981/82-1994) in the Willamette Valley, Oregon, USA: Wetlands, v19 n3, pp 545-559.
- Burkham, D. E., 1988, Methods for delineating flood-prone areas in the Great Basin of Nevada and adjacent states: U. S. Geological Survey Water-Supply Paper, W 2316, 20 p. Georef AGI NO: 88-22569
- Caldwell, Rodney R. 1993, Geochemistry, alluvial facies distribution, hydrogeology, and groundwater quality of the dallas-monmouth area, oregon, in 1-189.

On File

Eilers J.M.; Engstrom D.R.; Charles D.F.; Bernert J.A.; Gubala C.P.; Whiting M.C., 1996, Recent paleolimnology of Devils Lake, Oregon: Northwest Science, v70 nSpec Iss 2, pp 13-27.

Geobase NUMBER: 0236335

Ely L.L., 1997, Response of extreme floods in the southwestern United States to climatic variations in the late Holocene: Geomorphology, v19 n3-4, pp 175-201. Geobase NUMBER: 0320267

Friday, John, 1974, Crest-stage gaging stations in Oregon--A compilation of peak data collected from October 1952 to September 1974.

On File

Friday, John, 1982, Flood profiles in the Calapooya Creek basin, Oregon: U. S. Geological Survey, Open-File Report, OF 82-0439, 35 p. Georef AGI NO: 83-12067

- Friday, J. and Miller, S.J., 1984, Statistical summaries of streamflow data in Oregon: volume2, Western Oregon, U.S. Geological Survey Open File Report 84-454-A, 254 p.
- Gannett M.W.; Caldwell R.R., 1998, Geologic framework of the Willamette Lowland aquifer system, Oregon and Washington: US Geological Survey Professional Paper, n1424 A, pp A1-A32.

Geobase NUMBER: 0428679

- Gannett M.W.; Caldwell R.R., 1998, Geologic framework of the Willamette Lowland aquifer system, Oregon and Washington: US Geological Survey Professional Paper, n1424 A, pp A1-A32.
- Gannet, M.W., Manga, M., and Lite, K.E., Jr., 2003, Groundwater hydrology of the Upper Deschutes Basin and its influence of streamflow: The American Geophysical Union, p. 31-49

- Goodell S.A., 1988, Water use on the Snake River Plain, Idaho and eastern Oregon: US Geological Survey Professional Paper, v1408 E, pp 51p.
- Gonthier, J.B., 1983, Groundwater resources of the Dallas-Monmouth area, Polk, Benton, and Marion counties, Oregon: U.S. Geological Survey Groundwater Report No. 28, 50 p.
- Harr, R.D., 1981, Some characteristics and consequences of snowmelt during rainfall in western Oregon, J. of Hydol., v. 53, p. 277-304.
- Harrill J.R.; Prudic D.E., 1998, Aquifer systems in the Great Basin Region of Nevada, Utah, and adjacent states-summary report: US Geological Survey Professional Paper, n1409 A, pp A1-A66.

Geobase NUMBER: 0402970

- Harris, D.D. and Hubbard, L.E., 1983, Magnitutde and frequency of floods in eastern Oregon, U.S. Geological Survey Open-File Report 82-4078, 35 p.
- Harris, D.D., Hubbard, L.L., and Hubbard, L.E., 1979, Magnitude and frequency of floods in western Oregon, U.S. Geological Survey Open-File Report 79-553, 39 p.
- Harris, D.D., 1972, Hydrologic changes following clear-cut logging in a small Oregon coastal watershed: U.S. Geological Survey Journal, Research, v. 1, no. 4, p. 487-491.

 On File

Helland, R.O., 1944, Water utilization in streams on the Warm Springs Indian Reservation, Oregon.

On File

- Hinkle, S.R., 1997, Quality of shallow ground water in alluvial aquifers of the Willamette Basin, Oregon, 1993-95: U.S. Geological Survey, Water-Resources Investigations Report 97 4082-B, 48 p.
- Johnson, D.M., Peterson, R.R., Lycan, D.R., Sweet, J.n., and Schaedel, A.L., in press, Atlas of Oregon lakes: Corvallis, Oreg., Oregon State University Press.
- Jones, J.A. and Grant, G.E., 1996, Long-term stormflow responses to clearcutting and roads in small and large basins, western Cascades, Oregon, Water Resour. Res., v.32, p. 959.
- Jones, M. A., 1999, Geologic framework of the Puget Sound aquifer system, Washington and British Columbia: U. S. Geological Survey Professional Paper, P 1424-C, p. C1-C31.
- Jones J.A.; Grant G.E., 1996, Peak flow responses to clear-cutting and roads in small and large basins, western Cascades, Oregon: Water Resources Research, v32 n4, pp 959-974.

- Kjelstrom L.C., 1995, Streamflow gains and losses in the Snake River and ground-water budgets for the Snake River Plain, Idaho and eastern Oregon: US Geological Survey Professional Paper, v1408 C, pp 47p.
- Laenen, Antonius, 1995, Willamette River Water Quality Study Sediment transport in the main stem and major tributaries: Oregon Water Resources Research Institute, The Cutting Edge of Water Research, v. 1 no. 1, 4 p

On File

- Laenen, Antonius; Risley, J. C., 1997, Precipitation-runoff and streamflow-routing models for the Willamette River basin, Oregon: Water-Resources Investigations - U. S. Geological Survey, WRI 95-4284, 197 p.
- Laenen, Antonius; Scott, K. M.; Costa, J. E.; Orzol, L. L., 1992, Modeling flood flows from a hypothetical failure of the glacial moraine impounding Carver Lake near Sisters, Oregon, in Subitzky, Seymour, ed., Selected papers in the hydrologic sciences, 1988-92: U. S. Geological Survey Water-Supply Paper,W 2340, p. 151-164.

Georef AGI NO: 93-04361

Larson G.L., 1996, Overview of the limnology of Crater Lake: Northwest Science, v70 Spec. Iss., pp 39-47.

Geobase NUMBER: 0236337

- Larson, Douglas W., 1998, Volcanic lakes of the Pacific Northwest: Lake Line, v. 18, n. 3, p. 10-19.
- Lawford, R.G., 1993, Regional hydrologic responses to global change in western North America, in Earth system response to global change, Mooney, H.A., Fuentes, E.R., and Kronberg, B.I., eds., Academic, San Diego, p. 36-45.
- Lindholm G.F., 1996, Summary of the Snake River Plain regional aquifer-system analysis in Idaho and eastern Oregon: US Geological Survey Professional Paper, v1408-A, pp 59, map.
- Luckiamute Watershed. http://www.fsl.orst.edu/~waichler/lucki/shed_description.html. Watershed Description.

On File

- Manga M., 1996, Hydrology of spring-dominated streams in the Oregon Cascades: Water Resources Research, v32 n8, pp 2435-2439.
- McCarthy, Kathleen A.; Risley, John C.; Caldwell, Rodney R.; McFarland, William D., 1997, Assessment of the water resources of the Grand Ronde area, Oregon: Water-Resources Investigations U. S. Geological Survey, WRI 97-4040, 271 p.
- Megahan, Walter F., 2000, Cumulative watershed effects research needs for forested watersheds in the 21st century, in Slaughter, Charles W.,ed., Western watersheds; science, sense,

- strategies; proceedings of the seventh biennial Watershed Management Council conference: Seventh biennial Watershed Management Council conference Boise, ID, United States: Oct. 19-23, 1998, University of California, Water Resources Center, Centers for Water and Wildland Resources, Riverside, CA, United States, Water Resources Center Report Centers for Water and Wildland Resources, , p. 61-68.
- Moffat, R.L., Wellman, R.E., and Gordon, J.M., 1990, Statistical summaries of streamflow data in Oregon, vol. 1, Monthy and annual streamflow, and flow duration values, U.S. Geological Survey Open-File Report 90-118, Portlan, OR, p. 413.
- National Oceanic and Atmospheric Administration, 1997, Disastrous floods from the severe winter storms in California, Nevada, Washington, Oregon, and Idaho; December 1996-January 1997: U. S. Department of Commerce, NOAA, National Weather Service, Silver Spring, MD, United States, 102 p.
- O'Connor, Jim E., 1997, Methods for predicting peak discharge of floods caused by failure of natural and constructed earthen dams: Water Resources Research, v. 33, no. 10, p. 2337-2348.

On File

- Orzol, L.L., et al., 2000, Ground-water and water-chemistry data for the Willamette Basin, Oregon: U.S. Geological Survey, Water Resources Report 99-4036, 145 p.
- Penoyer, P.E., Niem, A.R., 1975, Geology and ground water resources of the Kings Valley Area, Central Oregon Coast Range, Oregon: Water Resources Research Institute, 92 p.
- Pettit, Gregory A., 1997, Ambient water-quality monitoring in the Willamette River basin, in Laenen, Antonius; Dunnette, David A., eds., River quality; dynamics and restoration: Lewis Publishers, Boca Raton, FL, United States, p. 229-139.
- Price, Don; Johnson, Nyra A., 1965, Selected ground water data in the Eola-Amity Hills area, northern Willamette Valley, Oregon: Oregon State Engineer Ground Water Rept. 7, 55 p. Georef AGI NO: 65-19018
- Tague, Christina, Grant, Gordon, Hydrogeological controls on stream temperatures in headwater catchments in rlation to forest management activities Progress Report 1, Willamette river basin: Oregon Headwaters Research Copperative, p.1-23.

ON FILE

Tague, Christina, Grant, Gordon, 2004, A geological framework for interpreting the low-flow regimes of cascade streams, Willamette river basin, Oregon: Water Resources Research, v. 40, 1-9.

ON FILE

Thomas R.B.; Megahan W.F., 1998, Peak flow responses to clear-cutting and roads in small and large basins, western Cascades, Oregon: A second opinion: Water Resources Research, v34 n12, pp 3393-3403.

Urich, M., 2001, North Santiam River basin suspended-sediment and turbudity study: U.S. Geological Survey, http://orgeon,usgs.gov/projs_dir/or00311/summary.html.

On File

- Vaccaro, J. J., 1999, Summary of the Columbia Plateau Regional Aquifer-System Analysis, Washington, Oregon, and Idaho: U. S. Geological Survey Professional Paper, P 1413-A, p. A1-A51.
- Vaccaro, J. J.; Woodward, D. G.; Gannett, M. W.; Jones, M. A.; Collins, C. A.; Caldwell, R. R.; Hansen, A. J., 1997, Summary of the Puget-Willamette Lowland regional aquifer-system analysis, Washington, Oregon, and British Columbia: Open-File Report U. S. Geological Survey, OF 96-0353, 49 p.
- Wentz, Dennis A., Waite, Ian R., and Rinella, Frank A., 1998, Comparison of streambed sediment and aquatic biota as media for characterizing trace elements and organochlorine compounds in the Willamette Basin, Oregon:Environmental Monitoring and Assessment, v. 51, p. 673-693 Abstract

On File

- Wagner, R.J., et al., 2001, Guidelines and standard procedures for continuous water-quality monitors: site selection, field operation, calibration, record computation, and reporting, ?, 27 p.
- Waichler, S.,2001, Luckiamute Watershed Project: ??: URL: http://www.fsl.orst.edu/~waichler/lucki/shed_description.htm.
- Wentz, Dennis A.; Bonn, Bernadine A.; Carpenter, Kurt D.; Hinkle, Stephen R.; Janet, Mary L.; Rinella, Frank A.; Uhrich, Mark A.; Waite, Ian R.; Laenen, Antonius; Bencala, Kenneth E., 1998, Water quality in the Willamette Basin, Oregon, 1991-95: U. S. Geological Survey Circular, C 1161, 34 p.
- Whitehead R.L., 1992, Geohydrologic framework of the Snake River Plain regional aquifer system, Idaho and eastern Oregon: US Geological Survey Professional Paper, v1408 B, pp 32p, plates.
- Whiteman K.J.; Vaccaro J.J.; Gonthier J.B.; Bauer H.H., 1994, The hydrogeologic framework and geochemistry of the Columbia Plateau aquifer system, Washington, Oregon, and Idaho: US Geological Survey Professional Paper, v1413 B, pp 73p.
- Wohl E.E., 1998, Uncertainty in flood estimates associated with roughness coefficient: Journal of Hydraulic Engineering ASCE, v124 n2, pp 219-223.

 Geobase NUMBER: 0335890
- Wagner, R.J., Mattraw, H.C., Ritz, G.F., and Smith, B.A., 2002, Guideline and standard procedures for continuous water-quality monitors: Site selection, field operation, calibration, record computation, and reporting: U.S. Geological Survey, 27 p.

On File

- Woodward D.G.; Gannett M.W.; Vaccaro J.J., 1998, Hydrogeologic framework of the Willamette Lowland aquifer system, Oregon and Washington: US Geological Survey Professional Paper, n1424 B, pp B1-B82.
- Zimmerman, C.E., and Ratliff, D.E., 2003, Controls on the distribution and life history of fish populations in the Deschutes River: geology, hydrology, and dams: American Geophysical Union, p. 51-70.

NOTE::: All of the following Oregon Water Files references are in the folder labeled "OREGON WATER INFO" in the filing cabinet. These have not yet been copied as full articles, just as bibliographical references.

PP 575-B. The Dalles-Umatilla syncline, Oregon, by R. C. Newcomb, p. B88-B93, and Rate and extent of a "one-shot"contaminant in an alluvial aquifer in Keizer, Oregon, by Don Price, p. B217-B220, in Geological Survey Research 1967, Chapter B., by U.S. Geological Survey. 1967.

PP 1424-A. Geologic Framework of the Willamette Lowland Aquifer System, Oregon and Washington, by Marshall W.Gannett, and Rodney R. Caldwell. 1998 Abstract PP 1424-B. Hydrogeologic Framework of the Willamette Lowland Aquifer System, Oregon and Washington, by Dennis G. Woodward, Marshall W. Gannett, and John J. Vaccaro. 1998 Abstract

WSP 890. Ground-water resources of the Willamette Valley, Oregon, by A.M. Piper. 1942

WSP 1473. Study and interpretation of the chemical characteristics of natural water, 2d edition, by J.D. Hem. 1970

WSP 1847. Ground water in the Eola-Amity Hills area, northern Willamette Valley, Oregon, by Don Price. 1967

WSP 1997. Geology and ground water of the Molalla-Salem slope area, northern Willamette Valley, Oregon, by E.R. Hampton. 1972.

WSP 2032. Ground water in the Corvallis-Albany area, central Willamette Valley, Oregon, by F.J. Frank. 1974.

WSP 2273. The 1980 Polallie Creek debris flow and subsequent dam-break flood, East Fork Hood River Basin, Oregon, by G.L. Gallino and T.C. Pierson.

WSP 2354-A. Surface-water-quality assessment of the Yakima River Basin in Washington: Spatial and temporal distribution of trace elements in water, sediment, and aquatic biota, 1987, by G.J. Fuhrer, D.J.Cain, S.W. McKenzie, J.F. Rinella, J.K.Crawford, K.A. Skach, and M.I. Hornberger, with a section on geology by M.W. Gannett. 1999. Abstract

WSP 2354-B. Surface-Water-Quality Assessment of the Yakima River Basin, Washington: Distribution of Pesticides and Other Organic Compounds in Water, Sediment, and Aquatic Biota, 1987 -91 By Joseph F. Rinella, Stuart W. McKenzie, J. Kent Crawford, William T. Foreman

Gregory J. Fuhrer, and Jennifer L. Morace, with a section on Dissolved Organic Carbon in the Yakima River Basin By George R. Aiken. 1999. Abstract

WSP 2250. National water summary - Hydrologic events and issues, by U.S. Geological Survey. 1983

WSP 2275. National water summary 1984 -Hydrologic events selected water-quality trends and ground-water resources, by U.S. Geological Survey. 1985.

WSP 2300. National water summary 1985 - Hydrologic events and surface-water resources, by U.S. Geological Survey.1986.

WSP 2325. National water summary 1986 - Hydrologic events and ground-water quality, by U.S. Geological Survey. 1988.

WSP 2350. National water summary 1987 - Hydrologic events and water supply and use, by U.S. Geological Survey. 1990

WSP 2375. National water summary 1988-89 - Hydrologic events and floods and droughts, by U.S. Geological Survey.1991.

WSP 2400. National water summary 1990-91 - Hydrologic events and stream water quality, by U.S. Geological Survey.1993.

C 490. Sedimentation in three small forested drainage basins in the Alsea River Basin, Oregon, by R.C. Williams. 1964.

C 642. Streamflow, sediment transport, and water-temperature characteristics of three small watersheds in the Alsea River Basin, Oregon, by D.D. Harris and R.C. Williams. 1971.

C 1161. Water quality in the Willamette Basin, Oregon, 1991-95, by D.A. Wentz, Bernadine A. Bonn, Kurt D. Carpenter, Stephen R. Hinkle, Mary L. Janet, Frank A. Rinella, Mark A. Uhrich, Ian R. Waite, Antonius Laenen, and Kenneth E. Bencala. 1998. HTML and PDF versions of full report

WRIR 76-26. Water resources of the Warm Springs Indian Reservation, Oregon, by J.H. Robison and Antonius Laenen. 1976.

WRIR 83-4100. Debris flow hazard assessment for the Oregon Caves National Monument, by John Friday. 1983

WRIR 84-4242. Oregon ground-water quality and its relation to hydrogeologic factors--A statistical approach, by T.L. Miller and J.B. Gonthier. 1984.

WRIR 86-4001. Geology, structure, and thickness of selected hydrogeologic units in parts of the Columbia Plateau, Oregon, by J.B. Gonthier. 1990.

WRIR 87-4238. Geological framework of the Columbia Plateau aquifer system, Washingtion, Oregon and Idaho, by B.W. Drost, K.J. Whiteman, and J.B. Gonthier. 1990.

WRIR 88-4004. Simulation of three lahars in the Mount St. Helens area, Washington, using a one-dimensional, unsteady-state streamflow model by Antonius Laenen and R.P. Hansen. 1988

WRIR 88-4184. Ground-water inflow to the Deschutes River near the Warm Springs Indian Reservation, Oregon, August 1985, by E.L. Bolke and Antonius Laenen. 1989.

WRIR 89-4179. Application of a geographic information system for regridding a ground-water flow model of the Columbia Plateau Regional Aquifer System, Walla Walla River Basin, Oregon-Washington, by M.E.Darling and L.E. Hubbard. 1994

WRIR 90-4196. A description of hydrogeologic units in the Portland Basin, Oregon and Washington, by R.D. Swanson, W.D. McFarland, J.B. Gonthier, and J.M. Wilkinson. 1993

WRIR 92-4108. Preliminary results of the simulation of Oregon coastal basins using precipitation runoff modeling system (PRMS), by Roderick L. Allen and Antonius Laenen. 1993

WRIR 93-4040. Use of a rainfall-runoff model for simulating effects of forest management on streamflow in the East Fork Lobster Creek Basin, Oregon Coast Range, by L.Y. Nakama and J. C. Risley. 1993.

WRIR 93-4090. Assessment of surface-water quality and water-quality alternatives, Johnson Creek Basin, Oregon, by T.K. Edwards. 1994.

WRIR 93-4181. Use of a precipitation-runoff model for simulating effects of forest management on streamflow in 11 small drainage basins, Oregon Coast Range, by John C. Risley. 1994.

WRIR 94-4043. Methodology used to produce an encoded 1:100,000-scale digital hydrographic layer for the Pacific Northwest, by Bruce J. Fisher. 1996

WRIR 95-4078. Stream velocity and dispersion characteristics determined by dye-trace studies on selected stream reaches in the Willamette River Basin, Oregon, by Karl K. Lee. 1995. Abstract | Available online

WRIR 95-4284. Precipitation-runoff and streamflow-routing models for the Willamette River Basin, Oregon, by Antonius Laenen and John C. Risley. 1997. Abstract | Available online

WRIR 96-4064. Hydrogeologic setting and preliminary estimates of hydrologic components for Bull Run Lake and the Bull Run Lake drainage basin, Multnomah and Clackamas Counties, Oregon, by Daniel T. Snyder and Dorie L.Brownell. 1996

WRIR 96-4111. Ground-Water pumpage in Willamette Lowland Regional Aquifer System. Oregon and Washington, 1990, by Charles A. Collins and Tyson M. Broad. 1996. Abstract | Available online

WRIR 96-4280. Distribution of fish, benthic invertebrate, and algal communities in relation to physical and chemical conditions, Yakima River Basin, Washington, 1990, by Thomas F. Cuffney, Michael R. Meador, Stephen D. Porter, and Martin E. Gurtz. 1997. Abstract | Links to Data

WRIR 97-4023. Summary of information on aquatic biota and their habitats in the Willamette Basin, Oregon, through 1995, by Bob Altman, Colleen M. Henson, and Ian R. Waite. 1997. Abstract | Available online

WRIR 97-4082-A. Environmental Setting of the Willamette Basin, Oregon, by Mark A. Uhrich and Dennis A. Wentz. 1999.

WRIR 97-4233. Chemical study of regional ground-water flow and ground-water/surface-water interaction in the upper Deschutes Basin, Oregon, by Rodney R. Caldwell. 1998 Abstract

WRIR 98-4113. Surface-Water-Quality Assessment of the Yakima River Basin, Washington: Overview of Major Findings, by Jennifer L. Morace, Gregory J. Fuhrer, Joseph F. Rinella, Stuart W. McKenzie, and Others (1999) Abstract | Available online

WRIR 98-4205. Arsenic in Ground Water of the Willamette Basin, Oregon, by Stephen R. Hinkle and Danial J. Polette. 1999

OFR 79-553. Magnitude and frequency of floods in western Oregon, by D.D. Harris, L.L. Hubbard, and L.E. Hubbard. 1979.

OFR 82-165. A description of aquifer units in western Oregon, by W.D. McFarland. 1983

OFR 87-41. Hydrologic hazards along Squaw Creek from a hypothetical failure of the glacial moraine impounding Carver Lake near Sisters, Oregon, by Antonius Laenen, K.M. Scott, J.E. Costa, and L.L. Orzol. 1987.

OFR 91-473. Bibliography of hydrogeology for the Willamette Valley, Oregon, by D.S. Morgan, and D.G. Weatherby. 1992.

OFR 93-63. Statistical summaries of streamflow data in Oregon: Volume 2--Annual low and high flow and instantaneous peak flow, by R.E. Wellman, J.M. Gordon, and R.L. Moffatt. 1993.

OFR 95-359. Conversion of environmental data to a digital-spatial database, Puget Sound area, Washington, by Mark A.Uhrich and Timothy S. McGrath. 1997. Abstract

OFR 96-598. Ground-water data for the Warm Springs Indian Reservation and contiguous areas, north-central Oregon, by Donald B. Anderson. 1997. Abstract

OFR 97-197. Ground-water and water-chemistry data for the Upper Deschutes Basin, Oregon, by Rodney R. Caldwell and Margot Truini. 1997. Abstract | Available online

OFR 97-240. User's guide for MODTOOLS: Computer programs for translating data of

MODFLOW and MODPATH into geographic information system files, by Leonard L. Orzol. 1997. Abstract | Available online

FS-037-95. United States Geological Survey programs in Oregon. 1995. (Available on-line)

FS-037-96. United States Geological Survey programs in Oregon. 1996. (Available on-line)

WDR OR-98-1 Water-Resources Data, Oregon, Water Year 1998, compiled by L.E. Hubbard, T.A. Herrett, J.E. Poole, G.P. Ruppert, and M.L. Courts. 1999.

- 17. Ground-water data in the Corvallis-Albany area, central Willamette Valley, Oregon, by F.J. Frank and N.A. Johnson. 1972.
- 27. Ground water in the Newberg area, northern Willamette Valley, Oregon, by F.J. Frank and C. A. Collins. 1978.
- 28. Ground-water resources of The Dallas-Monmouth area, Polk, Benton, and Marion Counties, Oregon, by J.B. Gonthier. 1983.
- PP. 1424-A. Geologic Framework of the Willamette Lowland Aquifer system, Oregon and Washington, by Marshall W. Gannett and Rodney R. Caldwell (5/99) Abstract.

PP 1424-B. Hydrogeologic Framework of the Willamette Lowland Aquifer System, Oregon and Washington, by Dennis G. Woodward, Marshall W. Gannett, and John J. Vaccaro. (5/99) Abstract.

Comparison of flood plain study techniques used in oregon, p. 168-227.