



[Student Services](#) | [Webmail](#) | [Site Map](#)

Julia A. Jones [Curriculum Vitae](#)



[Home](#)

[People](#)

[Graduate Programs](#)

[Undergraduate Programs](#)

[Research](#)

[Groups & Resources](#)

[News & Events](#)

[Alumni & Philanthropy](#)

[Job & Intern Postings](#)

Year hired: 1992

Specialty: Spatio-temporal statistics, forest hydrology, landscape ecology, surface processes, biogeography

Research interests: Land use, climate change and disturbance effects on hydrology, geomorphology, water quality

Recent Publications: Moore, G.M., B.J. Bond, F.C. Meinzer, and J.A. Jones. In press. Do thermal dissipation sap flow sensors yield consistent estimates for multiple years? *Trees*.

Jones, J.A., G.L. Achterman, L.A. Augustine, I.F. Creed, P.F. Follitt, L. MacDonald and B. C. Wemple. 2009. Hydrologic effects of a changing forested landscape--challenges for the hydrological sciences. *Hydrological Processes* 23, 2699-2704.

National Research Council (J. Jones, vice-chair). 2008. [Hydrologic Effects of a Changing Forest Landscape](#). Committee on Hydrologic Impacts of Forest Management, Water Science and Technology Board, Division on Earth and Life Studies (2008, 00 pp.; ISBN 0-309-12104-3).

Perkins, R.M. and J.A. Jones. 2008. [Climate variability, snow and physiographic controls on storm hydrographs in small forested basins, western Cascades, Oregon](#). *Hydrological Processes*, 22, 4949-4964.

Czarnomski, N.M., D.M. Dreher, K.U. Snyder, J.A. Jones and F.J. Swanson. 2008. [Landscape-scale dynamics of wood in stream networks of the western Cascades, Oregon](#). *Canadian Journal of Forest Research*. 38: 2236-2248.

Muhs, D.R., J. Budahn, D.L. Johnson, M. Reheis, J. Beann, G. Skipp, E. Fisher and J.A. Jones. 2008. [Geochemical evidence for airborne dust additions to soils in Channel Islands National Park, California, U.S.A.](#) *GSA Bulletin*, v. 120; no. 1/2; p. 106-126; doi: 10-1130/B26218.1.

Jones, J.A. 2007. [Does an Earth system perspective provide fundamental insights into ecology?](#) Book review, *Transactions in Ecology and Evolution*, 22,6, 288-289.

Watterson, N. and J.A. Jones. 2006. [Flood and debris flow interactions with roads promote the invasion of exotic plants along steep mountain streams, western Oregon](#). *Geomorphology* 78, 107-123

J.A. Jones and D.A. Post. 2004. [Seasonal and successional](#)

Google Search

streamflow response to forest cutting and regrowth in the northwest and eastern United States. *Water Resources Research*, 40, W05203, doi:10.1029/2003WR002952.

G.W. Moore, B.J. Bond, J.A. Jones, N. Phillips, and F.C. Meinzer. 2004. [Structural and compositional controls on transpiration in a 40- and 450-yr-old riparian forest in western Oregon, USA](#). *Tree Physiology* 24: 481-491.

D. Greenland, F. Biermaier, M. Harmon, J. Jones, A. McKee, J. Means, F. Swanson, C. Whitlock. Pp. 393-410 in Greenland, D., D.G. Goodin, and R.C. Smith, eds. 2003. Climate variability and ecosystem response at the H. J. Andrews Long-Term Ecological Research site. In *Climate variability and ecosystem response at long-term ecological research sites*. Oxford, New York.

B.C. Wemple and J.A. Jones. 2003. [Runoff production on forest roads in a steep, mountain catchment](#). *Water Resources Research* 39, doi:10.1029/2002WR001744.

J. Faustini and J.A. Jones. 2003. [Influence of large woody debris on channel morphology and dynamics in steep, boulder-rich mountain streams, western Cascades, Oregon](#). *Geomorphology* 51 (1-3): 187 - 205.

T.A. Spies, D.E. Hibbs, J.A. Ohmann, G.H. Reeves, R.J. Pabst, F.J. Swanson, C. Whitlock, J.A. Jones, B.C. Wemple, L.A. Parendes, and B. Schrader. pp. 31-67 in S.D. Hobbs, J.P. Hayes, R.L. Johnson, G.H. Reeves, T.A. Spies, J.C. Tappeiner, and G.E. Wells, eds. 2003. [The ecological basis of forest ecosystem management in the Oregon Coast Range](#). Forest and stream management in the Oregon Coast Range, Oregon State University Press, Corvallis.

Forman, R.T.T., D. Sperling, J.A. Bissonette, A.P. Clevenger, C.D. Cutshall, V.H. Dale, L. Fahrig, R. France, C.R. Goldman, K. Heanue, J.A. Jones, F.J. Swanson, T. Turrentine, and T.C. Winter. 2003. *Road ecology: science and solutions*. Island Press, Washington, DC.

Recent Graduate Student Titles: Yarrow M. Murphy, MS, Water Resources Engineering 2009. [Stream Channel Stability and Sensitivity to Landscape History and Land Use changes in Kelley Creek, Portland, Oregon](#).

Jeremy M. Adams, MS, 2008. [Soil Transport on a Forested Hillslope: Quantifying Baseline Rates of Surface Erosion, Jim's Creek, Willamette National Forest, Oregon](#). Employer: Willamette National Forest, Oregon.

Michele M. Dailey, MS, 2008. [Meadow Classification in the Willamette National Forest and Conifer Encroachment Patterns in the Chucksney-Grasshopper Meadow Complex, Western Cascade Range, Oregon](#). Currently Analyst, Columbia River Gorge National Scenic Area, Hood River, Oregon.

Timothy D. Perry, MS, 2007. [Do Vigorous Young Forests Reduce Streamflow? Results from up to 54 Years of Streamflow Records in Eight Paired-watershed Experiments in the H.J. Andrews and South Umpqua Experimental Forests](#). Currently Assistant Project Manager, The Hescong Mahone Group (energy consultants), California.

Aaron Arthur, MS, 2007, [Thirty-five years of forest succession in southwest Oregon: Vegetation response to three distinct logging treatments](#)

Barbara Geren, MS 2006, [Predicting sediment delivery from small](#)

catchments in the western Cascades of Oregon using the disturbed WEPP model

Samantha Sheehy, MS 2006, Exotic Plant Species Dynamics from 1994 to 2005 on Road Networks in Forested Landscapes of Western Oregon.

Sam Littlefield, MS 2005, Patterns of Chronic Wind Mortality in a Small, Old-growth *Pseudotsuga menziesii* Forest in the Western Cascades, Oregon

Michele Punke, PhD 2005, Paleoenvironmental Reconstruction of an Active Margin Coast from the Pleistocene to the Present: Examples from Southwestern Oregon

Lisa Vannatta, MS 2005, Forest Harvest Patterns on Private Land in Western Oregon from 1972 to 2002

Danielle Robbins, MS Forest Resources, Temporal and Spatial Variability of Historic Fire Frequency in the Southern Willamette Valley Foothills of Oregon.

Sheryl Giglia, MS, 2004, "Spatial and Temporal Patterns of "Super-old" Douglas-fir Trees of the Central Western Cascades, Oregon"

Nicholas Watterson MS, 2004. Exotic plant invasion from roads to stream networks in steep forested landscapes of western Oregon.

Georgianne Moore, PhD, 2003. Drivers of Variability in Transpiration and Implications for Stream Flow in Forests of Western Oregon.

Nicole Czarnomski MS, 2003. Effects of Harvest and Roads on In-stream Wood Abundance in the Blue River Basin, Western Cascades, Oregon.

Deana Pennington, PhD, 2002. Structural and Functional Comparison of Human-Impacted and Natural Forest Landscapes in the Western Cascades of Oregon.

Recent Grants IGERT: Ecosystem Informatics (J.A. Jones, PI; B. D'Ambrosio, T. Received: Dietterich, M. Harmon, and E. Waymire, co-PIs). 10/03-9/08. \$3,900,000.

Long-term ecological research at the H.J. Andrews Experimental Forest LTER: LTER5 (M. Harmon, PI; B.J. Bond, S.L. Johnson, J.A. Jones, F.J. Swanson, co-PIs). 12/02-11/08. \$4,200,000.

A spatially-distributed GIS-based model of temperatures in a stream network. (Jones and S.L. Johnson, co-PIs). National Science Foundation, Geography and Regional Sciences. 9/99-8/02. \$130,000.

Long-term Ecological Research at the H.J. Andrews Experimental Forest: LTER4. (co-PI). National Science Foundation, Division of Environmental Biology. 10/96-9/'02. \$3,200,000. Jones manages portion for hydrology and small watershed synthesis, \$40,000/yr.

Courses taught: Geo 102 Surface of the Earth (4 cr.)
Geo 324 Biogeography (4 cr.)
Geo 538 Ecosystem Informatics Field Trip (2 cr.)
Geo 541 Spatial Analysis in Ecology and Earth Science (3 cr.)
Geo 542 Concepts in Ecosystem Informatics (3 cr.)
Geo 543 Applications in Ecosystem Informatics (4 cr.)
Geo 546 Advanced Landscape Ecology (3 cr.)
Geo 547 Collaborative Research in Ecosystem Informatics (4 cr.)

Geo 548 Advanced field methods in geomorphology and landscape ecology (3 cr.)

Degrees: PhD in Geography/Environmental Engineering, The Johns Hopkins University, 1983

M.A. in International Relations, Johns Hopkins School for Advanced International Studies, 1979

B.A. in Economic Development, Hampshire College

Office: 220 Wilkinson Hall / phone (541) 737-1224

Email: jonesj@geo.oregonstate.edu

[More about Dr. Jones](#)

[More about H.J. Andrews LTER](#)

[More about Ecosystem Informatics](#)

Dept. of Geosciences, 104 Wilkinson Hall
Oregon State University - Corvallis - 97331-5506

Copyright © 2003

Phone (541) 737-1201 | Fax (541) 737-1200

geo-info@science.oregonstate.edu

Disclaimer