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Education

- Ph.D., 1983 The Johns Hopkins University, Department of Geography and Environmental Engineering (Baltimore MD). "Deforestation, soil degradation, and wood energy in developing countries."
M.A., 1979 Johns Hopkins School for Advanced International Studies (Bologna, Italy and Washington, DC). International Relations.
B.A., 1977 Hampshire College (Amherst, MA), 1977. Economic Development.

Employment

- 2012- Director, Geography, Environmental Science, and Marine Resource Management discipline group within the College of Earth, Ocean, and Atmospheric Science
2011- Director, Geography program
2005- Director, Ecosystem Informatics strategic initiative at OSU
2004- Director of Geography program, Geosciences Department, OSU
2003- Director, Ecosystem Informatics IGERT
2002- Full Professor with tenure, Department of Geosciences, Oregon State University.
1992- Associate Professor with tenure, Department of Geosciences, Oregon State University.
1991-1992 Visiting Associate Professor, Department of Forest Science, OSU. NSF Visiting Professorship for Women. Project entitled "Desertification, soil nitrogen mineralization and the fractal nature of soil spatial variation in Juniperus occidentalis communities of central Oregon."
1990-1991 Associate Professor with tenure, joint appointment with Department of Geography and Environmental Studies Program, University of California, Santa Barbara.
1983-1990 Assistant Professor, joint appointment with Department of Geography and Environmental Studies Program, University of California, Santa Barbara, CA.
1980-1983 Research Assistant, Resources for the Future, Washington, DC.

Publications

- 2014 Precipitation and winter temperature predict long-term range-scale abundance changes in Western North American birds. Illán, Javier Gutiérrez, Chris D. Thomas, Julia A. Jones, Weng-Keen Wong, Susan M. Shirley, and Matthew G. Betts. *Global Change Biology*, in press. DOI: 10.1111/gcb.12642

- 2014 Toward exploratory analysis of diversity unified across fields of study: an information visualization approach. Pham, Tuan, Julia Jones, Ronald Metoyer, Frederick Colwell. *Environ Earth Sci* DOI 10.1007/s12665-014-3365-8.
- 2014 Extinction debt in naturally contracting mountain meadows in the Pacific Northwest, USA: varying responses of plants and feeding guilds of nocturnal moths. Highland, S. A., and J. A. Jones. *Biodiversity and Conservation*, 23:2529-2544. DOI: 10.1007/s10531-014-0737-z.
- 2014 Changing forest water yields in response to climate warming: Results from long-term experimental watershed sites across North America. Creed, I. F., A. T. Spargo, J. A. Jones, J. M. Buttle, M. B. Adams, F. D. Beall, E. Booth, J. Campbell, D. Clow, K. Elder, M. B. Green, N. B. Grimm, C. Miniati, P. Ramlal, A. Saha, S. Sebestyen, D. Spittlehouse, S. Sterling, M. W. Williams, R. Winkler, and H. Yao. in press. *Global Change Biology*. DOI: 10.1111/gcb.12615
- 2013 Determinants of moth diversity and community in a temperate mountain landscape: vegetation, topography, and seasonality. Highland, Steven A., Jeffrey C. Miller, Julia A. Jones. *Ecosphere* 4:art129. <http://dx.doi.org/10.1890/ES12-00384.1>
- 2013 Interactive Visual Analysis Promotes Exploration of Long-Term Ecological Data. Pham, Tuan, Julia Jones, Ronald Metoyer, Frederick Swanson, and Robert Pabst. *Ecosphere*, 4(9):112.
- 2013 Effects of Volcanic and Hydrologic Processes on Forest Vegetation: Chaitén Volcano, Chile. Frederick J. Swanson, Julia A. Jones, Charles M. Crisafulli, Antonio Lara. *Andean Geology* 40 (2): 40 (2): 359-391.
- 2013 Trends in cation, nitrogen, sulfate and hydrogen ion concentrations in precipitation in the United States and Europe from 1978 to 2010: a new look at an old problem. K. Lajtha and J.A. Jones. *Biogeochemistry*, DOI 10.1007/s10533-013-9860-2.
- 2013 Climate and streamflow trends in the Columbia River basin: evidence for ecological and engineering resilience to climate change. Hatcher KL, Jones JA. *Atmosphere-Ocean*. 51: 436-455.
- 2012 Symposium 17. Ecosystem Capacity for Sustaining Long-term Water Supplies. Jones, JA, Grimm N, Dahm C, Covich A, Williams M. *Bulletin of the Ecological Society of America*. October, 399-401.

- 2012 Ecosystem Processes and Human Influences Regulate Streamflow Response to Climate Change at Long-Term Ecological Research Sites. Julia A. Jones, Irena F. Creed, Kendra L. Hatcher, Robert J. Warren, Mary Beth Adams, Melinda H. Benson, Emery Boose, Warren Brown, John L. Campbell, Alan Covich, David W. Clow, Clifford N. Dahm, Kelly Elder, Chelcy R. Ford, Nancy B. Grimm, Donald L. Henshaw, Kelli L. Larson, Evan S. Miles, Kathleen M. Miles, Stephen Sebestyen, Adam T. Spargo, Asa Stone, James M. Vose, Mark W. Williams. *BioScience*, 62, 390-404.
- 2012 Spatio-temporal patterns of establishment are indicative of biotic interactions during early tree invasion of a montane meadow. J.M. Rice, C.B. Halpern, J.A. Antos, J.A. Jones. *Plant Ecology*. DOI 10.1007/s11258-012-0021-9
- 2011 A comparison of annual transpiration and productivity in monoculture and mixed-species Douglas-fir and red alder stands. Georgianne W. Moore, Barbara J. Bond, Julia A. Jones. *Forest Ecology and Management* 262, 2263–2270.
- 2011 Cross-system comparisons elucidate disturbance complexities and generalities. Peters, D. P. C., A. E. Lugo, F. S. Chapin, III, S. T. A. Pickett, M. Duniway, A. V. Rocha, F. J. Swanson, C. Laney, and J. Jones. 2011. Cross-system comparisons elucidate disturbance complexities and generalities. *Ecosphere* 2(7):art81. doi:10.1890/ES11-00115.1
- 2011 Multi-label Classification for Multi-Species Distribution Modeling. Yu, J, W-K. Wong, T. Dietterich, J.A. Jones, M. Betts, S. Frey, S. Shirley, J. Miller, M. White. *Proceedings of the 28 th International Conference on Machine Learning*, Bellevue, WA, USA.
- 2011 How soil moisture mediates the Influence of transpiration on streamflow at hourly to interannual scales in a forested catchment. G.W. Moore, J.A. Jones, and B.J Bond. *Hydrological Processes*, 10.1002/hyp.8095.
- 2011 Hydrological principles for sustainable management of forest ecosystems. I.F. Creed, G.Z. Sass, J.M. Buttle, J.A. Jones. *Hydrological Processes*, 10.1002/hyp.8056 (0)
- 2011 Hydrologic responses to climate change: considering geographic context and alternative hypotheses. Jones, J.A. *Hydrological Processes*, 10.1002/hyp.8004. (0)
- 2010 Extreme flood sensitivity to snow and forest harvest, western Cascades, Oregon, United States. Jones, J. A., and R. M. Perkins. *Water Resour. Res.*, 46, W12512, doi:10.1029/2009WR008632. (0)
- 2010 Chapter 3: Climate change and freshwater resources in Oregon, in Oregon

- Climate Impact Assessment. Chang, H., Jones, J., Gannett, M., Tullos, D., Moradkhani, H., Vache, K., Parandvash, H., Shandas, V., Nolin, A., Fountain, A., Johnson, S., Jung, I.-W. House-Peters, L., Steele, M. and Copeland, B. In: Dello, K.D. and Mote, P.W. (eds). College of Oceanic and Atmospheric Sciences, Oregon State University, Corvallis, OR. pp. 69-150. (?)
- 2010 Interdisciplinary Studies of Eruption at Chaitén Volcano, Chile. J.S. Pallister, J.J. Major, T.C. Pierson, R.P. Hoblitt, J.B. Lowenstern, J.C. Eichelberger, L. Lara, H. Moreno, J. Muñoz, J.M. Castro, A. Iroumé, A. Andreoli, J. Jones, F. Swanson, C. Crisafulli. EOS, 91 (42) 381–392. (?)
- 2010 Thermal-dissipation sap flow sensors may not yield consistent sap-flux estimates over multiple years. G.W. Moore, B.J. Bond, J.A. Jones, F.C. Meinzer. *Trees*, 24(1): 165-174. (1)
- 2009 Precipitation control over inorganic nitrogen import–export budgets across watersheds: problems with interpretation and analysis. K. Lajtha and J.A. Jones. *Ecohydrology*. (0)
- 2009 Hydrologic effects of a changing forested landscape—challenges for the hydrological sciences. J.A. Jones, G.L. Achterman, L.A. Augustine, I.F. Creed, P.F. Ffolliott, L. MacDonald, B.C. Wemple. *Hydrological Processes*, 23, 2699-2704. (0)
- 2008 Climate variability, snow and physiographic controls on storm hydrographs in small forested basins, western Cascades, Oregon. R.M. Perkins and J.A. Jones. *Hydrological Processes*. 22, 4949–4964. (1)
- 2008 Hydrologic Effects of a Changing Forest Landscape. National Research Council 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). (3)
- 2008 Landscape-scale dynamics of wood in stream networks of the western Cascades, Oregon. Czarnomski, N.M., D.M. Dreher, J.A. Jones and F.J. Swanson. *Canadian Journal of Forest Research*. 38: 2236–2248. (5)
- 2008 Geochemical evidence for airborne dust additions to soils in Channel Islands National Park, California, U.S.A. D.R. Muhs, J. Budahn, D.L. Johnson, M. Reheis, J. Beann, G. Skipp, E. Fisher, and J.A. Jones. *GSA Bulletin*, v. 120; no. 1/2; p. 106–126; doi: 10.1130/B26218.1. (6)
- 2007 Book review of “Fundamental processes in ecology - an earth systems approach, by David M. Wilkinson, Oxford University Press, 2006”. *Trends in Ecology and Evolution*, in press.

- 2006 Flood and debris flow interactions with roads promote exotic plant invasion in steep mountain streams, western Oregon. N. A. Watterson and J.A. Jones, *Geomorphology*, 78, 107-123. (2)
- 2005 Intersite comparisons of rainfall-runoff processes, pp 1839-1854, *Encyclopedia of Hydrological Sciences* edited by Malcolm Anderson, John Wiley & Sons Ltd, Chichester, 2005. (4)
- 2004 Seasonal and successional streamflow response to forest cutting and regrowth in the northwest and eastern United States. J.A. Jones and D.A. Post. *Water Resources Research*, 40, W05203, doi:10.1029/2003WR002952. (16)
- 2004 Structural and compositional controls on transpiration in a 40- and 450-yr-old riparian forest in western Oregon, USA. G.W.Moore, B.J. Bond, J.A. Jones, N.Phillips, and F.C. Meinzer. *Tree Physiology* 24: 481-491. (29)
- 2003 Climate variability and ecosystem response at the H. J. Andrews Long-Term Ecological Research site. D. Greenland, F. Bierlmaier, 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. *Climate variability and ecosystem response at long-term ecological research sites*. Oxford, New York. (19)
- 2003 Runoff production on forest roads in a steep, mountain catchment. B.C. Wemple and J.A. Jones. *Water Resources Research* 39, doi:10.1029/2002WR001744. (14)
- 2003 Influence of large woody debris on channel morphology and dynamics in steep, boulder-rich mountain streams, western Cascades, Oregon. J. Faustini and J.A. Jones. *Geomorphology* 51(1-3): 187 - 205. (36)
- 2003 The ecological basis of forest ecosystem management in the Oregon Coast Range. 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. *Forest and stream management in the Oregon Coast Range*, Oregon State University Press, Corvallis. (20)
- 2003 Road ecology: science and solutions. 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. Island Press, Washington, DC. (595)
- 2002 Geomorphology and hydrology of the H.J. Andrews Experimental Forest, Blue River, Oregon. F.J. Swanson and J.A. Jones. pp. 288-314 in G.W. Moore, ed.

- Field guide to geologic processes in Cascadia. Oregon Department of Geology and Mineral Industries, Special Paper 36. Nature of the Northwest Information Center, Portland. (10)
- 2002 A novel landscape ecology approach for determining microhabitat correlations and faunal patchiness in extreme environments: Pilot study for the southern East Pacific Rise at 17-18° S, M.V. Rub, D. Wright, and J. Jones, CBM-Cahiers de Biologie Marine, 43: 307-311. (0)
- 2002 The zone of vegetation influence on baseflow revealed by diel patterns of streamflow and vegetation water use in a headwater basin. B.J. Bond, J.A. Jones, G. Moore, N. Phillips, D. Post, J.J.. McDonnell. Hydrological Processes 16: 1671-1677. (33)
- 2002 Extreme winds and windthrow in the western Columbia River Gorge. D.S. Sinton and J.A. Jones. Northwest Science: 76: 173-182. (1)
- 2001 Hydrologic inferences from comparisons among small basin experiments. J.A. Jones and F.J. Swanson. Invited commentary. Hydrological Processes 15: 2363-2366. (16)
- 2001 Hydrologic regimes at four long-term ecological research sites in New Hampshire, North Carolina, Oregon, and Puerto Rico. D.A. Post and J.A. Jones. Advances in Water Resources, 24(9-10): 1195-1210. (19)
- 2001 Forest roads and geomorphic process interactions, Cascade Range, Oregon. B.C. Wemple, F.J. Swanson, and J.A. Jones. Earth Surface Processes and Landforms 26: 191-204. (50)
- 2001 Comment on "Peak flow responses to clear-cutting and roads in small and large basins, western Cascades, Oregon: A second opinion" by R. Thomas and W. Megahan (paper 98WR02500) (WRR, Vol. 34, No. 12, December 1998). J.A.. Jones and G.E. Grant. Water Resources Research 37(1):175-178. (14)
- 2001 Comment on "Peak flow responses to clear-cutting and roads in small and large basins, western Cascades, Oregon" by J.A. Jones and G.E. Grant (paper 95WR03493) (WRR, Vol. 32, No. 4, April 1996). J.A. Jones and G.E. Grant. Water Resources Research 37(1):179-180. (4)
- 2000 Stream temperature responses to forest harvest and debris flows in western Cascades, Oregon. S. Johnson and J.A. Jones. Canadian Journal of Fisheries and Aquatic Sciences Suppl. 57: 1-10. (89)

- 2000 Suitability criteria analysed at the spatial scale of redd clusters improved estimates of fall chinook salmon spawning habitat use in the Hanford Reach, Columbia River. D.R. Geist, J.A. Jones, C.J. Murray, and D.D. Dauble. Canadian Journal of Fisheries and Aquatic Sciences 57(8): 1636-1646. (17)
- 2000 Hydrologic processes and peak discharge response to forest removal, regrowth, and roads in ten small experimental basins, western Cascades, Oregon. J.A. Jones. Water Resources Research 36(9): 2621-2642. (50)
- 2000 Soil response to canopy position and feral pig disturbance beneath Quercus agrifolia on Santa Cruz Island, California. A. Moody and J.A. Jones. Applied Soil Ecology 14: 269-281. (5)
- 2000 Soil patchiness in juniper-sagebrush-grass communities of central Oregon. C. Roberts and J.A. Jones. Plant and Soil 223:45-61. (12)
- 2000 Effects of roads on hydrology, geomorphology, and disturbance patches in stream networks. J.A. Jones, F.J. Swanson, B.C. Wemple, K. Snyder. Conservation Biology 14(1): 76-85. (69)
- 2000 Windthrow disturbance, forest composition and structure in the Bull Run basin, Oregon. D.S. Sinton, J.A. Jones, F.J. Swanson, and J. Ohmann. Ecology 81: 2539-2556. (36)
- 2000 Role of light availability and dispersal in exotic plant invasion along roads and streams in the H.J. Andrews Experimental Forest, Oregon. L.A. Parendes and J.A. Jones. Conservation Biology 14(1): 64-75. (142)
- 1999 Roads in forest watersheds – Assessing effects from a landscape perspective. F. Swanson, J. Jones, B. Wemple, and K. Snyder. Proceedings of the Seventh Biennial Watershed Management Conference (C. Slaughter, Ed.). Water Resource Center Report No. 98, University of California, Davis. pp.
- 1999 Plant-pest interactions in time and space: A Douglas-fir bark beetle outbreak as a case study. J.S. Powers, P. Sollins, M.E. Harmon, and J.A. Jones. Landscape Ecology 14:105-120. (20)
- 1998 Ecological hydrology: expanding opportunities in hydrologic sciences. D.A. Post, G.E. Grant, and J.A. Jones. EOS, 79(43):517,526. (8)
- 1997 Improving predictions of daily hydrologic response for ungauged catchments by incorporating water yield predictions on an inter-annual timestep. D.A. Post, J.A. Jones, and G.E. Grant. International Congress on Modeling and Simulation

Proceedings, Hobart, 8-12 December 1997, Modeling and Simulation Society of Australia, Volume 1, 259-264.

- 1997 The physical environment as a basis for managing ecosystems. F. Swanson, J.A. Jones, G.E. Grant. pp. 229-238 (Chapter 15) In: Kohm, K.A. and J.F. Franklin. Creating a forestry for the 21st century. Island Press, Boulder, CO. (29)
- 1996 Channel network extension by logging roads in two basins, western Cascades, Oregon. B. Wemple, J.A. Jones and G.E. Grant. Water Resources Bulletin. 32(6):1195-1207. (86)
- 1996 Peak flow response to clearcutting and roads in small and large basins, western Cascades, Oregon. J.A. Jones and G.E. Grant. Water Resources Research 32:959-974. (177)
- 1995 The spatial heterogeneity of soil invertebrates and edaphic properties in an old growth forest stand in western Oregon. C. Torgerson, J.A. Jones, A. Moldenke, and M.P. LeMaster. pp. 225-236 In: H.P. Collins, G.P. Robertson, and M.J. King, eds. The significance and regulation of soil biodiversity. Kluwer Publications, Amsterdam. (13)
- 1994 "Natural variability - implications for ecosystem management." F.J. Swanson, J.A. Jones, D.Wallin and J. Cissel. pp. 89-103 In Jensen, M.E. and P.S. Bourgeron, eds. Eastside Forest Ecosystem Health Assessment -- Volume II. Ecosystem Management principles and applications. U.S. Department of Agriculture Forest Service, Pacific Northwest Research Station, Portland, OR. (171)
- 1993 "A computer-generated soils map of Santa Cruz Island." J.A. Jones and D. Grice. pp. 45-56 In: F.G. Hochberg, ed. Third California Islands Symposium: Recent Advances in Research on the California Islands. Santa Barbara Museum of Natural History, Santa Barbara CA. (4)
- 1993 "Soil-forming factors, morphology and classification - Santa Cruz Island." J.A. Jones, J. Butterworth and S. Jones. pp. 39-44 In: F.G. Hochberg, ed. Third California Islands Symposium: Recent Advances in Research on the California Islands. Santa Barbara Museum of Natural History, Santa Barbara CA. (8)
- 1993 "Progress in mapping vegetation of Santa Cruz Island and preliminary relationships with environmental factors." J.A. Jones, S. Junak and R.J. Paul. pp. 97-104 In: F.G. Hochberg, ed. Third California Islands Symposium: Recent Advances in Research on the California Islands. Santa Barbara Museum of Natural History, Santa Barbara CA. In press. (?)

- 1992 "Soil nutrient dynamics at the forest-savanna boundary in East Africa." J.A. Jones. pp. 185-212 in Furley, P.A., J. Proctor, and J.A. Ratter eds., Nature and Dynamics of Forest-Savanna Boundaries, London, Chapman & Hall. (80)
- 1991 "Deforestation, Desertification, and Soil Degradation," J.A. Jones. In J.R. Mather and G.V. Sdasyuk, eds. Global Change: Geographical Approaches. A joint USSR-USA Project under the scientific leadership of V.V. Kotlyakov and G.P. White for the U.S. National Committee for the IGBP. University of Arizona Press, Tucson and Progress Publishers, Moscow. (25)
- 1990 "Termites, soil fertility and carbon cycling in dry tropical Africa: A hypothesis." J.A. Jones. Journal of Tropical Ecology. 6: 291-305. (50)
- 1989 "Environmental influences on soil chemistry in central semi-arid Tanzania." J.A. Jones. Soil Science Society of America Journal. 53:1748-1758. (3)
- 1989 "Biological processes regulating organic matter dynamics in tropical soils." by J.P. Anderson and P.W. Flanagan with E. Caswell, D.C. Coleman, E. Cuevas, D.W. Freckman, J.A. Jones, P.Lavelle, and P. Vitousek. Dynamics of Soil Organic Matter in Tropical Ecosystems. D.C. Coleman and G. Uehara, eds. Springer-Verlag, New York, pp. 97-123. (42)
- 1988 "A land evaluation around three Ujamaa villages, Dodoma region, Tanzania." A.P. Goldschmidt and J.A. Jones. Soil Survey and Land Evaluation 8(3):183-201. (?)
- 1986 Establishment and productivity of tree plantations in semi-arid regions. Edited by P. Felker, J. Burley, J. Hunziker, J.A. Jones, and R. Virginia. Forest Ecology and Management 16:1-444. (?)
- 1986 "Multiobjective regional forest planning using the noninferior set estimation (NISE) method in Tanzania and the United States." J.C. Allen. Forest Science 32:517-533. (12)
- 1986 "Soil properties and fast-growing tree species in Tanzania." J.C. Allen. Forest Ecology and Management 16:127-147. (1)
- 1985 "The causes of deforestation in developing countries." J.C. Allen. Annals of the Association of American Geographers 75:163-184. (173)
- 1985 "Wood energy and preservation of woodlands in semi-arid developing countries: The case of Dodoma region, Tanzania." J.C. Allen. Journal of Development Economics 19:59-84. (19)

- 1985 "Soil response to forest clearing in the United States and the tropics: Geological and biological factors." J.C. Allen. Biotropica 17:15-27. (64)
- 1981 "Deforestation and social forestry in developing countries." J.C. Allen and D.F. Barnes. Resources, Spring 1981. (2)
- 1979 "The fiscal crisis of the Argentine state." J.C. Allen and F.S. Weaver. No. 22, Studies on State and Development. Latin American Perspectives 6(3):30-45. (?)

Research Grants

Long-term ecological research at the H.J. Andrews Experimental Forest LTER: LTER7. National Science Foundation Division of Environmental Biology, M. Nelson, PI; M. Betts, H. Gosnell, S.L. Johnson, J.A. Jones, co-PIs. 12/2014-11/2020. \$6,762,000. NSF 1440409.

REU Site: EcolInformatics Summer Institute. National Science Foundation, Division of Undergraduate Education. D. Tullos, PI, J.A. Jones, co-PI. 2/2013-3/2016. \$315,376. NSF 1261550.

REU Site: EcolInformatics Summer Institute. National Science Foundation, Division of Undergraduate Education. D. Tullos, PI, J.A. Jones, co-PI. 9/2010-9/2013. \$296,784. NSF 1005175.

CDI-Type I: Novel machine learning models for predicting species distributions in response to climate change. National Science Foundation, Computer Science. Weng-Keen Wong, PI; M.G. Betts, J.A. Jones co-PIs. 9/30/09-9/30/12. \$609,505. NSF 091748.

International planning visit: Climate change effects on streamflow from mid-latitude conifer forests – a collaboration between Oregon and Chile. National Science Foundation Office of International Science and Education. J.A. Jones, PI. 12/08-11/10. \$18,480. NSF 0917697.

Long-term ecological research at the H.J. Andrews Experimental Forest LTER: LTER6. National Science Foundation Division of Environmental Biology, B. Bond, PI; M.E. Harmon, S.L. Johnson, J.A. Jones, T. Spies, co-PIs. 12/08-11/14. \$5,800,000. NSF 0823380.

Summer Institute in Ecosystem Informatics. National Science Foundation Engineering Research Centers, J.A. Jones, co-PI, D. Tullos, PI, T. Dietterich, K. O'Connell, E. Thomann, co-PIs, 6/06-6/10, \$581,291. NSF 0609356.

Ecosystem Informatics at OSU: Integrating Mathematics, Computer Science/Engineering, and Ecosystem Science to study complex problems. Oregon State University, J.A. Jones, PI; B. D'Ambrosio, T. Dietterich, M. Harmon, and E. Thomann, co-PIs. 10/04-9/09. \$1,500,000.

IGERT: Ecosystem Informatics. NSF Division of Graduate Research and Education, J.A. Jones, PI; B. D'Ambrosio, T. Dietterich, M. Harmon, and E. Waymire, co-PIs. 10/03-9/10. \$3,900,000. NSF 0333257.

Long-term ecological research at the H.J. Andrews Experimental Forest LTER: LTER5. National Science Foundation Division of Environmental Biology, M. Harmon, PI; B.J. Bond, S.L. Johnson, J.A. Jones, F.J. Swanson, co-PIs). 12/02-11/08. \$4,200,000. NSF 0218088.

A spatially-distributed GIS-based model of temperatures in a stream network. National Science Foundation, Geography and Regional Sciences program, J.A. Jones and S.L. Johnson, co-PIs, 9/99-8/02. \$130,000. NSF 9905313.

Biocomplexity – Incubation activity: Examining Emergent Behaviors of Landscapes Using an Integrated Process-based Perspective. 09/15/2000 08/31/2002 \$94,935. NSF 0083452.

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. NSF DEB9632921.

Long-term channel change using monitored cross-sections. National Science Foundation, Geography and Regional Studies, Dissertation Improvement Award for John Faustini (Jones, PI). 6/1/97-6/1/99. \$10,000. NSF 9711774.

Supplement to NSF LTER4 award: Research Experiences for Undergraduates at the H.J. Andrews Experimental Forest, Summer 1999 (Jones and Bond, co-PIs). 6/1/97-9/30/97. \$10,000.

Streamflow hydrology comparisons and synthesis at Long-term ecological research sites: Links with climate, terrestrial ecosystems, and stream ecology (J.A. Jones, PI). National Science Foundation Division of Environmental Biology. 1/1/96-12/30/97. \$171,634. NSF 9526987.

Supplement to NSF LTER4 award: Research Experiences for Undergraduates at the H.J. Andrews Experimental Forest, Summer 1997 (J.A. Jones, PI). 6/1/97-9/30/97. \$10,000.

Graduate Research Training: Spatio-temporal analysis of ecological and physical processes at landscape to regional scales. (J.A. Jones, co-PI, coordinator). National Science Foundation Division of Graduate Research and Education. 9/1/94-8/30/99. \$562,500. NSF 9452810.

Predicting the effects of road networks on flow routing in Pacific Northwest Forested watersheds. (J.A. Jones, PI), Bureau of Land Management. 9/1/93-8/30/96. \$148,102.

Desertification, soil nitrogen mineralization, and the fractal nature of soil spatial variation in juniper-sage-grass systems of central Oregon. (J.A. Jones, PI), National Science Foundation Visiting Professorship for Women. 7/1/91-12/30/92. \$100,046.

National Research Council Committees

2006-08 Committee on hydrologic impacts of forest management. Water Science and Technologies Board of the National Academy of Science.

LTER Site reviews

2007 Site review of Arctic Tundra Long-term Ecological Research (LTER) and Bonanza Creek LTER, June 21-28. Chaired report preparation for the Arctic Tundra LTER.
2001 Chaired midterm review of the Baltimore Ecosystem Study LTER. 2 day review, authored report. February.

Promotion reviews

2011 C--- T---, Forest Resources, Univ. of Washington
2010 K--- Y---, Instructor, Geosciences, OSU
2005 S---- C---, Instructor, Geography, OSU
N----- P-----, Assoc. Prof., Geography, Boston University

2004 S---- M-----, Assoc. Prof., Geography, Univ. of Buffalo
L----- B-----, Associate Professor, Geosciences OSU
M--- S-----, Research Assistant Professor, OSU

Proposal reviews/Panel service

2013 NSF Ecosystems panel
2012 NSF Ecosystems panel
2011 NSF proposal review (4 proposals)
2010 NSF proposal review (1 proposal); Fondycyt (Chile); NSERC (Canada)
2009 NSF proposal review (3 proposals)
2008 NSF proposal review NSF Hydrology program (2 proposals), Earth Sciences (1 proposal), Ecosystem Studies (1 proposal)
2007 NSF proposal review, NSF Ecosystem Science program (1 proposal), NSF Hydrology program (1 proposal), NSF Geomorphology program (1 proposal)
2006 NSF proposal review, NSF Hydrology program, NSF CAREER grant (3 proposals)
2005 NSF Panel: IGERT (Interdisciplinary Graduate Education and Research Training)
NSF Proposal review, NSF Ecosystem Studies program (1 proposal)
NSF proposal review, NSF Hydrology program (1 proposal)

2004	NSF Proposal review, NSF Geomorphology program (2 proposals) NSF Proposal review, NSF Hydrology program (3 proposals) NSF Proposal review, NSF Research at Undergraduate Institutions program (1 proposal)
2003	NSF Proposal review, NSF Hydrology program (Earth Sciences) (1 proposal) NSF Proposal review, NSF Geography program (Social Sciences) (1 proposal)
2002	NSF Proposal review, NSF Hydrology program (Earth Sciences) (2 proposals) NSF Proposal review, NSF Geography program (Social Sciences) (1 proposal)
2001	NSF LTER Site Review: Baltimore Ecosystem LTER, February NSF Panel: Hydrologic Sciences, Spring (35 reviewed, 11 panel summaries) NSF Panel: Hydrologic Sciences, Fall (41 reviewed, 14 panel summaries)
2000	NSF Proposal review, Hydrology program (Earth Sciences) NSF Panel: Biocomplexity: Aquatic Ecosystems (10 proposals reviewed) NSF Proposal review, Biocomplexity program NSF Workshop: NEON, National Environmental Observatory Network, January
1999	NSF Proposal review, Hydrology program (Earth Sciences) NSF Proposal review, Geography program (Social Sciences)
1998	NSF Panel: IGERT (Interdisciplinary Graduate Education and Research Training) (9 proposals reviewed) NSF Proposal review, NSF Hydrology program (Earth Sciences) NSF Proposal review, NSF Geography program (Social Sciences)
1997	NSF Proposal review, NSF Hydrology program (Earth Sciences)
1995	NSF Panel: Global Change (10 proposals reviewed)
1994	NSF Panel: Dissertation Awards in Biology (~20 proposals reviewed) NSF Panel: Restoration and Conservation Biology (~15 proposals reviewed)
1993	NSF Panel: Restoration and Conservation Biology (~15 proposals reviewed)
1992	NSF Panel: Dissertation Awards in Biology (~20 proposals reviewed)

Editorial Service

2014-	Editorial Board, PLOS One
2010-	Editorial Board, Hydrological Processes.
2004 -	Editorial Board: Ecology, Ecological Monographs (Ecological Society of America)

Manuscript reviews

2014	BioScience, Ecohydrology (2), Geografiska Annaler, Hydrology and Earth Systems, Ecological Engineering, Global Change Biology
2013	Bosque, Ecohydrology, Hydrological Processes, Journal of Hydrology (4), Journal of Geophysical Research, Landscape Ecology, PLOS One, Water Resources Research
2012	Hydrological Processes, Journal of Hydrology, Journal of the American Water Resources Association, Water Resources Research

- 2011 Ecohydrology, Environmental Management, Forest Ecology and Management, Global Change Biology, Hydrological Processes, Journal of Hydrology, Landscape Ecology, Progress in Physical Geography, Science, Water Resources Research
- 2010 Forest Ecology and Management, Geomorphology, Global Change Biology, Hydrologic Processes, Journal of Hydrology, Journal of Plant Ecology, Nature Communications, TREE
- 2009 Biogeochemistry, Hydrologic Processes, Climatic Change
- 2008 Hydrological Processes, BioScience, Water Resources Research, Hydrology and Earth System Science, British Columbia Dept of Forestry, Journal of Hydrology
- 2007 Journal of Hydrology, Journal of the American Water Resources Association, Journal of Geographical Systems
- 2006 Journal of Hydrology
Journal of Hydrologic Engineering
- 2005 Advances in Water Resources
Ecology
Ecological Monographs
Environmental Management
Hydrological Processes
Journal of the American Water Resources Association
Journal of Hydrology (2 ms)
Water Resources Research
- 2004 Ecological Applications
Ecology
Ecosystems
Ecological Applications
Journal of the American Water Resources Association
Water Resources Research
- 2003 Conservation Biology
Journal of the American Water Resources Association
Die Erde
- 2002 Geophysical Research Letters
Groundwater
Journal of Environmental Quality
- 2001 Water Resources Research
Geomorphology
Ecological Applications
BioScience
- 2000 Water Resources Research
Earth Surface Processes and Landforms
Hydrological Processes
- 1999 Annals of the Association of American Geographers
- 1998 Blue Planet, 2nd. edition (Earth Systems Science text), Wiley Press
Annals of the Association of American Geographers
Plant and Soil

- 1997 Biotropica
Soil Science Society of America Journal
- 1996 Spatial analysis and GIS, Fotheringham, S. and P. Rogerson, eds. London: Taylor & Francis, Ltd. 1994 281 p. Technical Issues in Geographic Information Systems. Review printed in SLA Geography and Map Division Bulletin. 182, Spring 1996.

Meetings organized

- 2012 Symposium: Ecosystem Capacity for Sustaining Long-term Water Supplies, Ecological Society of America Meeting, August 9, 2012, Portland, Oregon. (7 speakers)
- 2012 US NSF LTER Science Council Meeting, Andrews Forest, May 14-18, 2012. (80 participants).
- 2011 LTER Synthesis Working Group, Social and Ecological Responses to Climate Change and Land-use Effects on Water Availability: Contrasting Resilience Among Major River Basins of the US and Canada, Nov Nov 16-19, Seville National Wildlife Refuge. (25 participants)
- 2010 LTER Synthesis Working Group, Hydrologic effects from ecosystem responses to climate change and land use change, Nov 4-7, 2010, Seville National Wildlife Refuge. (15 participants)
- 2010 Modeling species responses to climate change and land use change: collaborations among ecologists and computer scientists. Retreat at the HJ Andrews Forest, October 21-22, 2010.
- 2009 Working group, LTER All-Scientists Meeting, Estes Park, CO. September
- 2004-2008 Annual external Advisory Board of the Ecosystem Informatics IGERT, 2-day review meetings, Memorial Union, OSU, Corvallis (30-40 participants)
- 2003 H.J. Andrews Long-term Ecological Research program, Sixth Annual Symposium. "Carbon, nitrogen, and water interactions in a forested ecosystem" October 16, 2003. Memorial Union, Corvallis, OR.
- 2001 H.J. Andrews Long-term Ecological Research program, Fourth Annual Symposium. "Social Science-Natural Science Collaborations" May 7, 2001. LaSells Stewart Center, Corvallis, OR.
- 2000 H.J. Andrews Long-term Ecological Research program, Third Annual Symposium. "Future ecosystem research at the H.J. Andrews Forest" March 2, 2000. Memorial Union, Corvallis, OR.

Professional meeting sessions chaired

- 2010 Ecological dispersal from a geophysical perspective, AGU, San Francisco, December. Co-organizers: Jorge Ramirez, Ed Waymire, Mary Power.
- 2006 Forest hydrology session, AGU, San Francisco, December. Co-organizers: Dan Moore and Charlie Luce

- 2006 Ecosystem Informatics Education workshop, LTER All-Scientists Meeting, Estes Park, Colorado, September
- 2003 Integration in eco-hydrology workshop, LTER All-Scientists Meeting, Seattle, September
- 1998 Roads and their major ecological effects. Ecological Society of America Annual Meeting, Baltimore, MD. August 3-6, 1998.

Abstracts

- 1988 "Soil response to forest clearing in the United States and the tropics: Geological and biological factors." J.C. Allen. Ecology Abstracts 13(10).
- 1988 "Use of Landsat MSS for mapping soils in semi-arid Tanzania." J.A. Jones. In D.K. Lindley and T.V. Callaghan. Arid Lands: Prospects and problems in the Sahel. Grange-over-Sands Institute of Terrestrial Ecology, Cumbria UK. In press.
- 1986 "Deforestation and wood energy in developing countries: The case of Dodoma, Tanzania." J.A. Jones. Bulletin of the Aberdeen African Studies Group. No. 22. September.

University Service

- 2013-14 Search chair, Head of Department of Mathematics
- 2013-14 Search committee, Stream ecologist, Fisheries and Wildlife
- 2013-14 Search committee, Director of Environmental Humanities Initiative, Liberal Arts
- 2012-13 Search committee, Forest hydrologist, Forest Engineering and Resource Management
- 2012-13 Search committee, Cetacean ecologist, OSU Marine Mammal Institute
- 2011-12 Advisory Board, Environmental Humanities Program
- 2011-12 Search committee, Spaniol Chair, Forest Ecosystems and Society (AASA).
- 2011 Search committee, Geomatics, Forest Engineering and Resource Management (Affirmative Action Search Advocate)
- 2011 Search committee, Ecosystem Ecologist (Zoology) (Affirmative Action Search Advocate)
- 2010 Search committee, Geomatics (FERM)
- 2010- Advisory Board, Healthy Aging IGERT

Department/College Service

- 2013-14 Search Chair, Geospatial Science Assistant Professor
- 2012-13 Search Chair, GIScience instructor (2 rounds)
- 2012-13 Earth Science undergraduate advisor
- 2011- Director, GEM disciplinary group

- 2011- Instructional Program Committee, Undergraduate Program Committee
- 2011- College Advisory Committee
- 2011- CEOAS Graduate Committee
- 2011 Search committee, Geography instructors.
- 2010-11 Earth Science BS degree revisions – Category II proposal committee.
- 2011 Search committee, CEOAS Associate Dean for Research.
- 2010 Search committee, Geovisualization, Geosciences (AASA).
- 2010- Program Director, Geography
- 2008- Chair, Graduate Committee, Geosciences (and GTA allocation)

Reports/Proceedings

- 2000 Gutowsky, S. and J.A. Jones. 2000. Riparian cover changes along the upper Willamette River, 1939-1996, p. 233-238 In: Wigington, P.J., Jr. and R.L. Beschta (eds.), Riparian Ecology and Management in Multi-Land Use Watersheds. Proceedings of the International Conference on Riparian Ecology and Management in Multi-Land Use Watersheds, American Water Resources Association, Middleburg, VA, TPS-00-2.
- 1998 Analysis of disturbance history by fire, windthrow, and related land management activities in the Bull Run watershed, Mount Hood National Forest, Oregon. J.A. Jones, F.J. Swanson, and D.S. Sinton.

Invited workshops

- 2007 Chaired LTER Ecotrends workshop on Biogeochemistry, May, Portland.
- 2005 LTER Coordinating Committee meeting, Key Largo, Florida (April)
IGERT PI meeting, Washington, DC (May)
- 1993 - Numerous field trips for managers, educators and students at the H.J. Andrews Forest.
- 1995 BLM training workshop, Salem, Oregon.
- 1994 Ecosystem management workshop, H.J. Andrews Forest, Oregon, October.
- 1993 Ecosystem management workshop, H.J. Andrews Forest, Oregon, October.
- 1988 "Dynamics of Soil Organic Matter in Tropical Ecosystems." Workshop to produce state-of-the-art document that identifies knowledge gaps and suggest imperatives for future research. NifTAL Project and MIRCEN, Maui, Hawaii. October 9-14.

Invited papers

- 2011 Hydrologic responses to climate change at long term ecological research sites in the United States: assessing ecological resilience and social resilience. Ecological Society of America Annual Meeting, Austin, TX, August.

- 2011 Hydrologic responses to climate change at headwater and large basins in the United States: assessing ecological resilience and social resilience. Gordon Research Conference, Bates College, Maine, June 10-15.
- 2011 Hydrologic similarity among long-term ecological research sites: responses to climate change. European Geophysical Union, Vienna.
- 2011 Development and Implementation of an Undergraduate Honors Course on Mathematical Ecology. V. A. Bokil and J. A. Jones Joint Mathematics Meeting 2011. MAA Session-Trends in Undergraduate Mathematical Biology Education.
- 2010 Climate change effects on physical and biological systems in and near the Andrews Forest, Oregon. J.A. Jones, University of Hokkaido Faculty of Agriculture. June 28.
- 2010 Ecosystem Informatics: interdisciplinary graduate education and research linking ecology, computer science, and mathematics. EPA Board of Scientific Counselors, Corvallis. July 8.
- 2010 Ecosystem Informatics: interdisciplinary graduate education linking ecology, computer science, and mathematics. J.A. Jones, University of Hokkaido Faculty of Agriculture. June 28.
- 2010 Ecosystem linkages in watersheds and landscapes. J.A. Jones, Akkeshi Marine Station, University of Hokkaido Faculty of Agriculture. June 25.
- 2010 Long-Term Ecological Research as a seedbed for interdisciplinary education and research. J.A. Jones, Akkeshi Marine Station, University of Hokkaido Faculty of Agriculture. June 25.
- 2008 Uncertainty in water from forests: hydrology of changing forest landscapes. J. Jones, G. Achterman, L. Alexander, K. Brooks, I. Creed, P. Ffolliott, L. MacDonald, B. Wemple. Session H11: Historic Hydrologic Synthesis. AGU Fall meeting, San Francisco.
- 2006 Canadian Geophysical Union, keynote address, May, Banff.
- 2005 Eco-informatics education at Oregon State University. Ecological Society of America annual meeting, Montreal, August 9.
- 2005 Climate change and feedbacks from vegetation succession: evidence from long-term ecological research sites. Julia Jones, Georgianne Moore, Kevin McGuire, American Society of Civil Engineers, Anchorage, AK, May 12.

- 2005 From soil pits to ecosystem informatics: A selective history of information technology in geography University of Nevada-Reno, April 26.
- 2005 Stream and road network interactions in landscapes: a different way of seeing. J.A. Jones, N. Watterson, B.C. Wemple, L.A. Parendes, and F.J. Swanson. University of Nevada – Reno. April 25.
- 2004 Forest harvest treatments in the Pacific Northwest -- clearcuts, partial cuts, and thinning -- What are their effects on peak flows, summer low flows, and water yield? Forest Science, Oregon State University, October 28.
- 2004 Seasonal and successional trends in streamflow and N after forest removal in small basins, eastern and northwestern US. Department of Natural Resources, University of New Hampshire, May 6.
- 2004 Seasonal and successional trends in streamflow and N after forest removal in small basins, HJ Andrews v. Hubbard Brook. Marine Biological Laboratory, Woods Hole, May 4.
- 2004 Seasonal and successional trends in streamflow and N after forest removal in small basins, Coweeta and Fernow Experimental Forests. Department of Geography and Environmental Engineering, the Johns Hopkins University, Baltimore, MD, April 2.
- 2004 Seasonal and successional trends in streamflow and N after forest removal in small basins, HJ Andrews v. Hubbard Brook. Harvard Forest, March 12
- 2003 Eco-hydrology of three temperate forested sites, 3rd LTER Mini-Symposium, National Science Foundation, Washington, DC., February.
- 2002 Diverse streamflow responses to forest harvest and regrowth in Oregon, New Hampshire, and North Carolina. Department of Forest Science, Oregon State University, February 7.
- 2002 Water, sediment, chemical, and aquatic systems effects of roads, in Road Ecology: Science and Solutions, Transportation Research Board Annual Meeting, January 13-17, Washington, DC
- 2000 Rain-on-snow floods, forest canopy effects, and flood routing from the scale of the hillslope to large (600 sq. km) basins in the western Cascades, Oregon. Julia Jones and Reed Perkins. Fall AGU, San Francisco.
- 2000 Coupling of streamflow and vegetation water use at diurnal, storm, seasonal, and interannual time scales: the Andrews long-term ecological research site and

- comparisons with Coweeta, Hubbard Brook and Luquillo LTERs. Julia Jones, David Post, and Barbara Bond. Fall AGU, San Francisco.
- 2000 Intersite hydrology comparisons among small basins at long-term sites in the LTER, USFS, USGS WEB, USDA ARS, and other networks in the US and abroad. David Post, Julia Jones, and Jeff McDonnell. Fall AGU, San Francisco.
- 2000 "Our dynamic landscape: landslides, fire and floods" Washington State University, Vancouver, WA, February 28.
- 1998 "Spatial patterns of roads in the landscape affecting water and material flows" Ecological Society of America Annual Meeting, August, Baltimore.
- 1995 "Spatial relationships of vesicular-arbuscular mycorrhizae, soil fauna and soil nutrients in the juniper-sagebrush-grass communities of central Oregon." Oregon Soil Science Society, Portland, February 9.
- 1995 "Peak flow response to clearcutting and roads in the Western Cascades, Oregon." College of Forestry, University of Washington, Seattle, WA, February.
- 1994 "Peak flow response to clearcutting and roads in the Western Cascades, Oregon." Department of Geology, University of Oregon, Eugene, OR, November.
- 1994 "Spatial heterogeneity of soil invertebrates and edaphic properties in an old growth forest stand in western Oregon." Department of Crop and Soils, Oregon State University, Corvallis, OR, April.
- 1991 "Soil spatial variation, environmental factors, and response to disturbance." Department of Geosciences, Oregon State University, Corvallis, OR. May 28.
- 1990 "Deforestation and soil degradation in the dry tropics of Africa." Department of Geography, University of Oregon, Eugene OR. May 3.
- 1990 "Deforestation and soil degradation in the dry tropics of Africa." Department of Land, Air and Water Resources, University of California, Davis, CA. February 26.
- 1990 "Termites, soil fertility and carbon cycling in African dry woodlands." Department of Entomology, Oregon State University, Corvallis, OR. April 20.
- 1990 "Soil formation and nutrient dynamics at the woodland-savanna boundary in East Africa." British Ecological Society and Biogeography Research Group meeting on the Nature and Dynamics of Forest-Savanna Boundaries, University of Glasgow, Scotland. January 4.

- 1989 "Termites, soil fertility and carbon cycling in African dry woodlands." Department of Zoology, Oregon State University, Corvallis, OR. November 20.
- 1989 "Value of geographic information in soil survey and mapping." Department of Soil Science, Oregon State University, Corvallis, OR. November 13.
- 1989 "Soil variability at two spatial scales: The role of termites in carbon cycling in African dry woodlands." Department of Geography, Cambridge University, Cambridge, England. June 9.
- 1989 "Soil erosion and vegetation recovery on Santa Cruz Island, California." Santa Barbara Men's Garden Club, Santa Barbara CA. June 22.
- 1988 "Termites, soil fertility, and carbon cycling in an African dry woodland." Department of Geography, San Diego State University, CA. November 18.
- 1988 "Local spatial variation in chemistry of Tanzanian soils: effects of biota and geology." Department of Plant and Soil Biology, University of California, Berkeley CA. February 10.
- 1986 "Agriculture and deforestation in Africa." With S. Jones. Symposium on Agriculture and the Liberal Arts. Hampshire College, Amherst MA. November 7-9.
- 1986 "Deforestation and wood energy in Dodoma, Tanzania." African Studies Group, University of Aberdeen, Scotland. March 25.
- 1986 "Wood energy, forest plantations, and deforestation in developing countries." Department of Earth and Environmental Sciences, University of Stirling, Scotland. March 11.
- 1985 "A soil catena on granite in the Rift Valley, Tanzania." Department of Soils and Environmental Science, University of California, Riverside, CA. April 17.

Papers/Posters presented

- 2010 Interactive effects of cations on multi-decade trends in sulfate and acid deposition in North America and Europe: a new look at an old problem. K. Lajtha and J.A. Jones. American Geophysical Union Annual Meeting, San Francisco.
- 2010 Landscape-scale effects of the 2008 Chaiten (Chile) eruption on vegetation disturbance and regeneration from satellite image analysis. K.M. Moore, J.A. Jones, F.J. Swanson, C. Crisafulli. American Geophysical Union Annual Meeting, San Francisco.

- 2010 Diel fluctuations in summer streamflow depend on stream channel sediment storage and valley-floor vegetation in the forested western Cascades of Oregon, USA. J. Albright, N. Gustafson, M. Nelson, B. Rodriguez, C. Shugrue, J.A. Jones. American Geophysical Union Annual Meeting, San Francisco.
- 2010 Climate change effects on physical and biological systems in and near the Andrews Forest, Oregon. J.A. Jones. Mountain Climate Conference, HJ Andrews Forest, Oregon. June 9.
- 2009 Quantifying state dependent change in a paired catchment experiment. by K. Beven, I. Iorgulescu, and J. Jones. European Geophysical Union annual meeting, Vienna, April. EGU2009-5495.
- 2008 Summer lowflow deficits after two decades of forest regeneration in the western Cascades, Oregon. Tim Perry and Julia Jones. AGU Session H58, The Critical Role of Long-term Watershed and Ecosystem Experimental Networks in Advancing Science. AGU Fall meeting, San Francisco.
- 2007 Reawakening a forest harvest and streamflow experiment: Coyote Creek, Oregon. Aaron Arthur, Tim Perry, J.A. Jones. Association of American Geographers, San Francisco, April.
- 2007 Landscape-scale dynamics of wood in stream networks of the western Cascades, Oregon. Czarnomski, N., D. Dreher, J.A. Jones and F.J. Swanson. Association of American Geographers, San Francisco, April.
- 2006 Landscape-scale dynamics of wood in stream networks of the western Cascades, Oregon. Czarnomski, N., D. Dreher, J.A. Jones and F.J. Swanson. LTER All-Scientists meeting, September.
- 2000 "Hydrologic regimes, disturbance history, and environmental gradients at four forested long-term ecological research sites: Andrews, Coweeta, Hubbard Brook, and Luquillo." J.A. Jones and D.A. Post. Ecological Society of America Annual Meeting, Utah, August.
- 1999 "Ecological implications of long-term streamflow records from forested basins in Oregon, New Hampshire, North Carolina, and Puerto Rico." J.A. Jones and D.A. Post. Ecological Society of America Annual Meeting, Spokane, August.
- 1999 "Stream temperature dynamics, spatial patterns, and controls in a forested basin." S.L. Johnson and J.A. Jones. Ecological Society of America Annual Meeting, Spokane, August.

- 1998 "Exotic plant invasion along road networks in the western Cascade Range of Oregon." L.A. Parendes and J.A. Jones. Ecological Society of America Annual Meeting, Baltimore, August.
- 1998 "Landscape position influences road impacts in a forested ecosystem in the Pacific Northwest USA." B.C. Wemple, J.A. Jones, and F.J. Swanson. Ecological Society of America Annual Meeting, Baltimore, August.
- 1997 "New Insights and Perspectives on Trajectories of Landscape Response to Treatment from Long-term Small Experimental Basin Pairs, Western Cascades, Oregon." G.E. Grant, J.A. Jones, D.A. Post, and S.L. Johnson. American Geophysical Union Annual Fall Meeting, San Francisco, December.
- 1997 "Natural Variability in Climate and Vegetation at Diurnal to Decadal Scales in Long-term Streamflow Records from Ten Small Experimental Basin Pairs, Western Cascades, Oregon." J.A. Jones and G.E. Grant. American Geophysical Union Annual Fall Meeting, San Francisco, December.
- 1997 "Approaches to interpreting landscape-scale ecological disturbance regimes in the Pacific Northwest, USA." J.A. Jones, F.J. Swanson. Ecological Society of America Annual Meeting, Albuquerque, August.
- 1996 "Hydrologic mechanisms affecting peak discharge response to forest harvest and roads in ten small experimental basin pairs, western Cascades, Oregon. J.A. Jones and G.E. Grant. American Geophysical Union Annual Fall Meeting, San Francisco, December.
- 1995 "Runoff generation on forest roads: Preliminary results from a small-basin monitoring study." B.C. Wemple, J.A. Jones, G.E. Grant. American Geophysical Union Annual Fall Meeting, San Francisco. December.
- 1995 "Description and analysis of monthly runoff variability among small untreated basins in the western Cascades, Oregon." R.M. Perkins, J.A. Jones, G.E. Grant. American Geophysical Union Annual Fall Meeting, San Francisco. December.
- 1995 "Peak flow response to clearcutting and roads in the Western Cascades, Oregon." J.A. Jones, G.E. Grant, B.C. Wemple, R.M. Perkins. American Geophysical Union Annual Spring Meeting, Baltimore, Maryland, June.
- 1994 "Peak flow response to clearcutting and roads in the Western Cascades, Oregon." J.A. Jones, G.E. Grant, B.C. Wemple. Geological Society of America Annual Meeting, Seattle, November.

- 1993 "Peak flow response to clearcutting and roads in the Western Cascades, Oregon." Long-term Ecological Research All-Scientists meeting, Estes Park, Colorado, September.
- 1992 "Peak flow response to clearcutting and roads in the Western Cascades, Oregon." International Association of Landscape Ecology Annual Meeting, Corvallis, Oregon, April.
- 1988 "Soil mapping in central Tanzania using a priori stratification of Landsat imagery, map overlays, and aerial photography." Soil Science Society of America annual meeting, Anaheim CA. November 30-December 2.
- 1988 "Soil nutrient patchiness in a dry tropical woodland: biotic and geologic factors." Ecological Society of America annual meeting, Davis CA. August 17.
- 1987 "Soil properties under cultivated, grazed, partially harvested, and undisturbed miombo woodland and Acacia wooded bushland in semi-arid central Tanzania." Soil Science Society of America annual meeting, Atlanta, GA December 1-7.
- 1987 "A geographic information system for Santa Cruz Island." With R. Crippen and S. Junak. Third California Islands Symposium, Santa Barbara CA. March 2-6.
- 1987 "A computer-generated soils map of Santa Cruz Island." With D. Grice. Third California Islands Symposium, Santa Barbara CA. March 2-6.
- 1987 "Soil survey of Santa Cruz Island." With J. Butterworth and S. Jones. Third California Islands Symposium, Santa Barbara CA. March 2-6.
- 1987 "A vegetation map of Santa Cruz Island." With S. Junak and R.J. Paul. Third California Islands Symposium, Santa Barbara CA. March 2-6.
- 1986 "Land use, soil properties, and regeneration of dry tropical forests in Dodoma, Tanzania." Association for Tropical Biology annual meeting, University of Massachusetts, Amherst, MA. August 9-11.
- 1985 "Influence of soil properties on distribution and growth of natural woodland and exotic plantations in Tanzania." Symposium on fast-growing species for arid regions, Texas A&I University, Kingsville, TX. April 29-May 2.
- 1984 "A soil catena on granite in the Rift Valley, Tanzania." Soil Science Society of America annual meeting, Las Vegas, NV. November 25-30.

- 1984 "Soil response to forest clearing in the United States and the tropics." Western Soil Science Society at the annual meeting of the AAAS, San Francisco State University, San Francisco, CA. June 10-15.
- 1983 "Deforestation and soil degradation in the United States and the tropics." Ecological Society of America and American Institute for Biological Sciences annual meeting, Grand Forks ND. August 7-11.
- 1983 "Policy response to deforestation in developing countries." Second World Congress on Land Use Policy, Harvard Law School, Cambridge, MA. June 20-24.
- 1983 "Population and forestry interactions in the Sudan and Tanzania." With D.F. Barnes. Population Association of America annual meeting, Pittsburgh, PA. April 14-16.
- 1982 "Case study of social forestry in Tanzania: Why people don't plant trees." With M. Skutsch, D.F. Barnes, and W. Ramsay. Panel on fuelwood and forestry in Asia and Africa, AAAS annual meeting, Washington DC. January 8.

Awards

- 2004 Bullard Fellowship, Harvard Forest, Massachusetts.
- 1996 Editors Citation for Excellence in Manuscript Review, Soil Science Society of America Journal.
- 1987 Faculty Career Development Award, Univ. of California, Santa Barbara.
- 1986 Faculty Career Development Award, Univ. of California, Santa Barbara.
- 1984 Faculty Career Development Award, Univ. of California, Santa Barbara.
- 1980 Fellowship, Department of Geography and Environmental Engineering, The Johns Hopkins University, Baltimore MD.
- 1977 Fellowship, The Johns Hopkins School for Advanced International Studies, Bologna, Italy.

Graduate Students Completed (as major professor)

Name	Department	Degree	Date	Current position
Hammond, John	Geography	MS	2014	
Romeo, Lucy	Geography	MS	2014	ORISE/NETL
Jennings, Keith	Water Res Sci	MS	2014	PhD, U Colorado
Wilson, Brian	Environmental Sci	MS	2013	ORISE/NETL
Lizon, Michele	Geosciences (Geog)	M.S.	2012	Mother, Montana
Pfeiffer, Vera	Geography	M.S.	2012	PhD, U Wisc.
Weems, Candice	Geography	M.S.	2012	PhD, OSU
Kugler, Tracy ²	Geosciences (Geog)	Ph.D.	2011	U Minnesota, Population Center

Highland, Steven ⁴	Geosciences (Geog)	Ph.D.	2011	Postdoc, USDS Bee Lab, Utah State U
Clark, William	Geosciences (Geog)	M.S.	2011	GIS analyst, Denali National Park, AK
Smoluk, Alexis	Geosciences (Geog)	M.S.	2011	wildlife biologist, CA
Hatcher, Kendra ⁴	Geosciences (Geog)	M.S.	2011	Downstream Strategies, Morgantown, WV
Moore, Kathleen	Geosciences (Geog)	M.S.	2010	PhD, OSU
Tepley, Alan ²	Geosci/Forest Sci	Ph.D.	2010	Post-doc Colorado State Univ.
Frentress, Jay ⁴	Water Res Science	M.S.	2010	PhD, Luxembourg
Murphy, Yarrow	Water Res Engin	M.S.	2009	City of Portland
Rice, Janine ²	Geosciences (Geog)	Ph.D.	2009	Post-doc, US Forest Service
Adams, Jeremy	Geosciences (Geog)	M.S.	2008	Willamette National Forest
Dailey, Michele ⁴	Geosciences (Geog)	M.S.	2007	Columbia River Gorge Commission
Perry, Tim ⁴	Geosciences (Geog)	M.S.	2007	Scaled Software, Sacramento, CA
Arthur, Aaron	Geosciences (Geog)	MS	2007	Environmental consulting, CA
Fesler, Kristel	Geography	M.S.	2007	Environmental consulting, OR
Hauck, Mark	Forest Science	MS	2006	Self-employed
Sheehy, Samantha	Geosciences (Geog)	M.S.	2006	Santa Barbara
Steinkamp, Matt	Geosciences (Geol)	M.S.	2006	archeology
Punke, Michele	Geography	PhD	2005	Archaeologist, Historical Research Assoc., Portland OR
Iyob, Biniam	Geography	MS	2005	US AID, Water and Irrigation Advisor
Anderson, Paul	Geography	MS	2005	NOAA, Samoa
Carter, Jamie	Geosciences (Geog)	MS	2005	The Baldwin Group, Inc, SC
Vannatta, Lisa	Geosciences (Geog)	MS	2005	
Littlefield, Sam	Geosciences (Geog)	MS	2005	Portland, consulting
Robbins, Danielle ⁴	Forest Resources	MS	2004	deceased
Watterson, Nick	Geosciences (Geog)	M.S.	2004	Hydrologist, Denver CO
Giglia, Sherry	Geosciences (Geog)	M.S.	2004	Ayurveda instructor, Eugene OR
Czarnomski, Nicole ⁴	Forest Science	M.S.	2003	Environmental Science Associates, OR
Moore, Georgianne ¹	Environmental Sci.	Ph.D.	2003	Assoc Prof, Texas A&M
Pennington, Deana ⁴	Geosciences (Geog)	Ph.D.	2002	Assoc. Prof, Univ. Texas El Paso
Versluis, Anna	Geosciences/Geog	M.S.	2002	Asst. Prof, Gustavus Adolfus College
Sullivan, Lawrence	Geosciences/Geog	M.S.	2002	Consultant, Portland
Augerot, Xan ¹	Geosciences (Geog)	Ph.D.	2000	Mary's River Watershed Council, OR
Faustini, John ²	Geosciences (Geol)	Ph.D.	2000	USFWS hydrologist, Atlanta, GA
Gutowsky, Sharon	Geosciences (Geog)	M.S.	2000	
Macomber, Marcia	Geosciences (Geog)	M.S.	2000	CGIAR, Sri Lanka
London, Sharon	Geosciences	M.S.	1999	Consultant, Seattle
Wemple, Beverley ³	Forest Science	Ph.D.	1998	Full Prof, Univ. Vermont
Ilunga, Kikombo ¹	Geosciences	Ph.D.	1997	Asst. Prof, Kean Coll. (NJ)
Impara, Peter ¹	Geosciences	Ph.D.	1997	Instructor, Evergreen College
Lambert, Beth ¹	Geosciences	M.S.	1997	Mass. Dept. of Fish and Game
Parendes, Laurie ¹	Geosciences	Ph.D.	1997	Full Prof., Edinboro U. (PA)

Perkins, Reed ¹	Forest Science	Ph.D.	1997	Full Prof., Queens Coll. (NC)
Sinton, Diana ¹	Geosciences	Ph.D.	1996	UCGIS, Cornell University
Godino, John	Geosciences	M.S.	1995	Mazamas, Portland
Roberts, Christine ⁴	Forest Science	M.S.	1994	
Freid, Matt	Geosciences	M.S.	1994	urban planning, Beaverton
Wemple, Beverley ¹	Geosciences	M.S.	1994	see above
Sinton, Diana	Geosciences	M.S.	1993	see above
Aaron Moody	Geography	M.S.	1989	Assoc. Prof, Geography, UNC
Aaron Goldschmidt	Geography	M.S.	1988	
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³ Supported by BLM research grant (Jones, PI).

⁴ Supported by NSF grant (Jones, PI or co-PI).

Professional Memberships

American Geophysical Union
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Language skills

French, Italian, Spanish proficiency (speaking, comprehension, writing).

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French to English Certificate of Interpretation (Consecutive and Simultaneous), 1976.