

Title

8/31/2007

Permission date

**First Name** Julia**Middle Name****Last Name** Jones**Photo****Institution** OSU**Department** Geosciences**Email** jonesj@geo.oregonstate.edu**Phone** (541) 737-1224**Website**www.geo.oregonstate.edu/people/faculty/jonesj.htm**Research Fields**

- Atmospheric chemistry
- Biogeochemistry
- Carbon Footprint Analysis
- Climatology
- Community & Disaster Planning
- Data Analysis & Statistical Modeling
- Ecology & Ecosystem Management
- Economics
- Energy policy & technology
- Ethics
- Fire
- Forestry & Forest Management
- Geographic Information Systems
- Horticulture
- Human Impacts - economics
- Human Impacts - health
- Human Impacts - policy
- Hydrology
- Impacts - agriculture & horticulture
- Impacts - ecosystems, populations
- Impacts - physical
- Instrumentation
- Mitigation Policy
- Modeling Climate
- Modeling Ecosystems
- Modeling Socioeconomic Processes
- Natural Resource Policy & Planning
- Outreach & Engagement
- Paleoclimatology
- Paleoecology
- Physical Ecology
- Physiological Ecology
- Urban Ecology
- Water Policy & Planning
- Other...
Ecosystem Informatics

Specific Research Interests

Spatial analysis in ecology and geosciences, soils, geomorphology, effects of land use on forest hydrology, Ecosystem Informatics

Streamflow response to forest harvest, soil spatial variability, landscape scale patterns and processes of disturbance

Projects

Selected Recent Publications

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 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. 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. 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.

Professional Activities