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EDUCATION

- 2007 Ph.D., Forest Ecology, Oregon State University, Corvallis, OR
- 2002 M.S., Forest Resources, The Pennsylvania State University, University Park, PA
- 1999 B.S., Environmental Studies, Bucknell University, Lewisburg, PA
- 1998 Study Abroad, School for Field Studies, Centre for Rainforest Studies, Queensland, Australia

PROFESSIONAL EXPERIENCE

- 2008 – Present Post-Doctoral Research Ecologist, University of Washington, School of Environmental and Forest Sciences, Seattle, WA (Supervisor: David L. Peterson)
- 2009-present
- Conduct research to characterize current and future fuel conditions and fire hazard across the states of Oregon, Washington, Arizona and New Mexico
 - Supervise database manager employee for fuel characterization work
 - Coordinate research on the effects of climate change on disturbance regimes and vegetation to inform vegetation simulation models for Oregon and Arizona
- 2008-2009
- Conducted a climate change adaptation case study at Olympic National Forest and Olympic National Park as a part of the USDA Forest Service WestWide Climate Initiative
 - Interpreted and distilled scientific information on climate change and potential impacts of climate change for natural resource managers (communicated through written and oral reports)
 - Facilitated workshops with scientists and managers to develop climate change adaptation options and strategies for natural resource management
 - Prepared peer-reviewed scientific publications on climate change adaptation and potential impacts of climate change on vegetation and fire regimes
- 2007 Post-doctoral Research Scientist, Department of Forest Science, Oregon State University, Corvallis, OR (Supervisor: David Hibbs)
- Aided in the design and sampling for study on historic stand structure and fire history in riparian forests of southwestern Oregon
 - Re-measured post-fire riparian vegetation recovery plots
 - Supervised three-person field crew
 - Conducted statistical and dendroecological analyses

- 2006 Co-instructor, Department of Forest Science, Oregon State University, Corvallis, OR
- Co-instructed course on fire ecology
 - Developed syllabus and selected course reading material
 - Facilitated class discussions
- 2005 Co-Instructor, Department of Forest Science, Oregon State University, Corvallis, OR
- Co-instructed course on posing researchable questions in fire ecology
 - Developed syllabus and selected course reading material
 - Lectured on current research in fire ecology
 - Facilitated class discussions
- 2003 Research Assistant, Department of Landscape Architecture, Rutgers University, New Brunswick, NJ (Supervisor: Jean Marie Hartman)
- Edited scientific documents
 - Assisted in research on endangered plant populations, invasive species management, and wetland restoration in the state of New Jersey
- 2002 Research Assistant, School of Forest Resources, the Pennsylvania State University, University Park, PA (Supervisor: William Sharpe)
- Assisted in fieldwork and research on the effects of acid deposition on streams and forest ecosystems in Pennsylvania
- 2001 Research Assistant, School of Forest Resources, the Pennsylvania State University, University Park, PA (Supervisor: Todd Bowersox)
- Assisted in fieldwork and research on the effects of municipal wastewater application on forest regeneration in Pennsylvania
- 2000-2002 Teaching Assistant, School of Forest Resources, the Pennsylvania State University, University Park, PA (Supervisor: Larry McCormick)
- Instructed section of field dendrology course
 - Conducted and graded student quizzes
- 2000 Research Assistant, Department of Biology, Bucknell University, Lewisburg, PA (Supervisor: Warren Abrahamson)
- Assisted in studies of goldenrod and gall-inducing insect species
- 1999 McKenna Environmental Intern, Department of Biology, Bucknell University, Lewisburg, PA (Supervisor: Ben Marsh)
- Compared species composition and forest structure along clear-cut chronosequence
- 1999 Teaching Assistant, Department of Biology, Bucknell University, Lewisburg, PA (Supervisor: Warren Abrahamson)
- Helped to conduct labs for introductory biology course
 - Graded student lab reports and exams

REFEREED PUBLICATIONS

Hemstrom, M.A., J.E. Halofsky, D.R. Conklin, J.S. Halofsky, B.K. Kerns, and D. Bachelet. 201x. Assessing potential climate change effects on vegetation using a linked dynamic vegetation and state-and-transition model approach. *In review*.

Johnson, M.C., J.E. Halofsky, D.L. Peterson, and J. Bergin. 201x. Post-disturbance logging effects on fuelbed characteristics and fire behavior following a major windstorm event. *In review*.

Peterson, D.L., D. McKenzie, J.E. Halofsky, and M.C. Johnson. 201x. Understanding and managing stress complexes in fire-prone forests. *In* L. Irland (editor), Long-term silvicultural and ecological studies. Global Institute of Sustainable Forestry, Yale University, New Haven, CT, *in review*.

Chmura, D.J., P.D. Anderson, G.T. Howe, C.A. Harrington, J.E. Halofsky, D.L. Peterson, D.C. Shaw, and B. St. Clair. 2011. Forest responses to climate change in the northwestern United States: ecophysiological foundations for adaptive management. *Forest Ecology and Management* 261(7): 1121-1142.

Halofsky J.E., D.C. Donato, D.E. Hibbs, J.L. Campbell, M. Donaghy-Cannon, J.B. Fontaine, J.R. Thompson, R.G. Anthony, L.J. Kayes, B.E. Law, D.L. Peterson, and T.A. Spies. 2011. Mixed-severity fire regimes: lessons and hypotheses from the Klamath-Siskiyou Ecoregion. *Ecosphere* 2(4), Article 40.

Halofsky, J.E., D.L. Peterson, M.J. Furniss, L.A. Joyce, C.I. Millar, and R.P. Neilson. 2011. A workshop approach for developing climate change adaptation strategies and actions for natural resource management agencies in the U.S. *Journal of Forestry* 109(4):219-225.

Halofsky, J.E., D.L. Peterson, K.A. O'Halloran, and C. Hawkins Hoffman. 2011. Adapting to climate change at Olympic National Forest and Olympic National Park. General Technical Report PNW-GTR-844. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 130 p.

Peterson, D.L., J.E. Halofsky, and M.C. Johnson. 2011. Managing and adapting to changing fire regimes in a warmer climate. *In* D. McKenzie, C. Miller, and D. Falk (editors), *The landscape ecology of fire*. Springer, New York.

Peterson, D.L., C.I. Millar, L.A. Joyce, M.J. Furniss, J.E. Halofsky, R.P. Neilson, and T.L. Morelli. 2011. Responding to climate change in National Forests: a guidebook for developing adaptation options. General Technical Report PNW-GTR-855. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 109 p.

Furniss M.J., C.I. Millar, D.L. Peterson, L.A. Joyce, R.P. Neilson, and J.E. Halofsky. 2009. Adapting to climate change: a short course for land managers. General Technical Report PNW-GTR-789. Portland, OR: US Department of Agriculture, Forest Service, Pacific Northwest Research Station. DVD and online at <http://www.fs.fed.us/ccrc/>

Halofsky J.E. and D.E. Hibbs. 2009. Controls on early post-fire woody plant colonization in riparian areas. *Forest Ecology and Management* 258:1350-1358.

Halofsky, J.E., and D.E. Hibbs. 2009. Relationships among indices of fire severity in riparian zones. *International Journal of Wildland Fire* 18:584-593.

Halofsky, J.E., and D.E. Hibbs. 2008. Determinants of riparian fire severity in two Oregon fires, USA. *Canadian Journal of Forest Research* 38:1959-1973.

Halofsky, J.E., and L.H. McCormick. 2005. Effects of unseeded areas on species richness of coal mines reclaimed with municipal biosolids. *Restoration Ecology* 13(4): 630-638.

Halofsky, J.E., and L.H. McCormick. 2005. Establishment and growth of experimental grass species mixtures on coal mine sites reclaimed with municipal biosolids. *Environmental Management* 35: 1-10.

Sharpe, W.E. and J.E. Halofsky. 2004. Hay-scented fern (*Dennstaedtia punctilobula*) and sugar maple (*Acer saccharum*) seedling occurrence with varying soil acidity in Pennsylvania. In Hix, D.M., P.C. Goebel, D.A. Yaussy, and R.P. Long (editors) *Proceedings of the 14th Central Hardwoods Forest Conference*. USDA Forest Service General Technical Report NE-316, Northeastern Research Station, Newtown Square, PA.

INVITED ORAL PRESENTATIONS

Halofsky, J.E., and D.L. Peterson. April 2012. Assessing wildlife vulnerability to climate change on the Olympic Peninsula. Invited oral presentation for the Climate Change, Wildlife and Human Dimensions workshop at Willamette National Forest, Springfield, Oregon.

Halofsky, J.E., and D.L. Peterson. November 2011. Climate change adaptation on the Olympic Peninsula. Invited oral presentation for the Workshop on Climate Change Adaptation for Vegetation Management in the North Cascadia Ecosystem. Seattle, WA.

Halofsky, J.E., D.L. Peterson, and M.C. Johnson. June 2011. Adapting to changing fire regimes in the western United States. Invited oral presentation for the North American Forest Ecology Workshop, Special Session on Climate Change Adaptation, Roanoke, Virginia.

Halofsky, J.E., and M.C. Johnson. November 2010. Implications of climate change on fire and thinning prescriptions. Forest Service Region 6 Joint Fuels/Ecology, Silviculture Meeting, Bend, OR.

Halofsky, J.E. May 2010. Potential impacts of climate change on riparian forests in the Pacific Northwest. U.S. Forest Service Region 6 Aquatic/Watershed Program Managers Meeting, Vancouver, WA.

Halofsky, J.E., and D.E. Hibbs. April 2010. Fire severity and post-fire vegetation regeneration in riparian areas of the B&B Complex Fire, Oregon. Central Oregon Fire Science Symposium, Bend, OR.

Halofsky, J.E., and B. Kerns. April 2010. Developing the scientific basis for adaptation: the WestWide Climate Initiative. Adapting to Climate Change in National Forests: A Workshop for Resource Managers, Stevenson, WA.

Halofsky, J.E., and D.L. Peterson. September 2009. Adapting natural resource management to climate change. Natural Areas Association Conference, Vancouver, WA.

Halofsky, J.E., and D.L. Peterson. June 2009. Potential effects of climate change on mixed severity fire regimes. Seventh North American Forest Ecology Workshop, Logan, Utah.

Halofsky, J.E., and D.L. Peterson. June 2009. Potential impacts of climate change on Olympic Peninsula vegetation. Olympic Climate Change Case Study Vegetation Workshop, Olympia, WA.

Halofsky, J.E. April 2009. Understanding models of climate change impacts on vegetation and wildlife. Olympic National Forest Natural Resources Staff, Olympia, WA.

Halofsky, J.E., and D.L. Peterson. February 2009. Climate change: potential impacts on water resources and adaptation options. USDA Forest Service, Water Resources Management for Line and Staff Officers, Sedona, AZ.

Halofsky, J.E., and D.L. Peterson. February 2009. Potential impacts of climate change on terrestrial ecosystems in the Pacific Northwest. National Wildlife Federation and Washington Department of Fish and Wildlife, Assessing Climate Impacts on Washington's Fish and Wildlife Workshop, Olympia, WA.

Halofsky, J.E., and D.L. Peterson. January 2009. Climate change effects and adaptation options for forest ecosystems in the west. U.S. Fish and Wildlife Service and the U.S. Geological Survey, Climate Change, Natural Resources, and Coastal Management Workshop, San Francisco, CA.

Halofsky, J.E., and D.E. Hibbs. December 2008. Controls on early post-fire colonization patterns in riparian areas. Pacific Coast Fire Conference: Changing Fire Regimes, Goals, and Ecosystems, San Diego, CA.

Halofsky, J.E., and D.L. Peterson. November 2008. Climate Change: Implications for fire regimes in Pacific Northwest Forests. Oregon Watershed Enhancement Board, Working for Healthy Watersheds: Climate Change and Watershed Resilience Conference, Salem, OR.

Halofsky, J.E., and D.L. Peterson. October 2008. Introduction: adaptation to climate change, and Assessing vulnerability and adapting to the effects of climate change. USDA Forest Service, Preparing for Climate Change in Interior Pacific Northwest Forests Workshop, Wenatchee, WA.

Halofsky, J.E. October 2008. Managing forests today with an eye on tomorrow: Climate change. Oregon State University Extension Service, Women Owning Woodlands Network, Salem, OR.

Halofsky, J.E., and D.L. Peterson. May 2008. Climate change adaptations for Pacific Northwest forests. National Park Service Klamath Network Climate Change Scoping Meeting, Ashland, OR.

Halofsky, J.E., and D.L. Peterson. April 2008. Adapting to climate change in the Pacific Northwest. Bureau of Land Management Integrated Program Meeting: Fuels, Range, and Wildlife, Bend, OR.

Halofsky, J.E. and D.L. Peterson. March 2008. Adapting to the effects of climate change in Pacific Northwest forests. Oregon Watershed Enhancement Board, Medford, OR.

Halofsky, J.E. and D.E. Hibbs. March 2007. Fire severity in riparian areas of the Biscuit and B&B Complex Fires, Oregon. The Scientific Foundations of Post-fire Policy: New Findings, New Ideas, Corvallis, OR.

Halofsky, J.E., and D.E. Hibbs. February 2006. Fire severity and post-fire vegetation recovery in riparian areas of the Biscuit Fire. 2006 Southwest Oregon Ecosystem Management Workshop, Wildfire Research Symposium (sponsored by the Rogue-Siskiyou National Forest, Pacific Northwest Research Station, and Oregon State University), Gold Beach, OR.

CURRENT PROFESSIONAL ACTIVITIES

Associate Editor, Northwest Science, 2010-present
Member, Ecological Society of America

GRANTS

2012 USGS Northwest Climate Science Center, Co-PI (\$267,740)

AWARDS AND FELLOWSHIPS

2005, 2006 Outstanding Student Achievement Award, PhD student, Department of Forest Science, Oregon State University
2006 Gamma Sigma Delta, the Honor Society of Agriculture, Oregon State University Chapter
2006 Dorothy D. Hoener Memorial Fellowship, College of Forestry, Oregon State University (\$5,000)
2005 Robert Tarrant Fellowship, Department of Forest Science, Oregon State University (\$5,000)
2005 Oregon Sports Lottery Scholarship, Oregon State University (\$5,000)
2004 College of Forestry Graduate Fellowship, College of Forestry, Oregon State University (\$5,000)
2003 Warren R. Randall Memorial Fellowship, College of Forestry, Oregon State University (\$2,000)
2001 Xi Sigma Pi National Forestry Honor Society
2000-2002 Gifford Pinchot Scholarship, School of Forest Resources, Penn State University (\$2,000)