

**Winslow D. Hansen**  
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Department of Zoology  
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### **Professional Preparation**

- 2013-Pres. **Ph.D.**, University of Wisconsin, Madison, Dept. of Zoology (Spatial Ecosystem Ecology). Dissertation: *Changing Climate and Fire: Implications for Post-fire Forest Regeneration in Greater Yellowstone*. Advisor: Monica G. Turner
- 2011-2013 **M.S.**, University of Alaska, Fairbanks, Dept. of Forest Sciences. Thesis: *Linked Disturbance Interactions in South-central Alaska: Implications for Ecosystems and People*. Advisors: T. Scott Rupp, Terry Chapin
- 2005-2010 **B.A.**, University of Montana. Major: Biology with emphasis in Ecology
- 2005-2010 **B.A.**, University of Montana. Major: Economics

### **Appointments**

- 2013-2014 Graduate Research Assistant, University of Wisconsin, Madison, Zoology Department
- Fall 2013 Graduate Teaching Assistant, Introductory Biology, University of Wisconsin, Madison, Zoology Department
- 2011-2013 Graduate Research Assistant University of Alaska, Fairbanks, Alaska Climate Science Center
- 2010-2011 Research Technician, University of Alaska, Fairbanks, Institute of Arctic Biology
- 2009 Field Technician, University of Montana, Division of Biological Sciences.
- 2008 Field Technician, University of Montana, Division of Biological Sciences
- 2006 Field Technician, Montana State University, Department of Ecology

### **Fellowships, Awards, Honors, and Scholarships (~\$190,000)**

- 2016 NSF Doctoral Dissertation Improvement Grant (~\$20,000)
- 2012-2016 NSF Graduate Research Fellowship (~\$120,000)
- 2015 Student Association for Fire Ecology Local Chapter Grant
- 2014 UW, Madison Zoology Department John Jefferson Davis Travel Grant
- 2014 UW, Madison Zoology Department Graduate Student Research Award
- 2013 Incoming University of Wisconsin, Madison Zoology Department Graduate Student Research Fellowship (~\$20,000)
- 2013 NSF IGERT, Ecology and Society Resilience in Alaska Special Issue Grant (~\$8,000)

- 2012 NSF Alaska EPSCoR Travel Grant
- 2012 NSF Alaska EPSCoR Graduate Fellowship (~\$12,000)
- 2011 NSF IGERT Summer Internship Scholarship (~\$6,000)
- 2010 NSF IGERT Summer Fellowship in Eco-informatics (*Declined, personal reasons*)
- 2010 University of Montana Economics Research Thesis of the Year

## Publications

- Hansen, W.D.**, F.S. Chapin III, H.T. Naughton, T.S. Rupp, and D. Verbyla. *In Review*. Forest-landscape structure mediates effects of a spruce bark beetle (*Dendroctonus rufipennis*) outbreak on subsequent likelihood of burning in Alaskan boreal forest. *Forest Ecology and Management*.
- Morris, J.L., V. A. Carter, J. Clear, J. Clement, S. Cottrell, R.J. DeRose, C.J. Fettig, **W.D. Hansen**, J. A. Hicke, P.E. Higuera, K.M. Mattor, A.W.R. Seddon, H. Seppä, S.J. Seybold, R. Sherriff, J.D. Sednick. *In Review*. Bark beetle impacts on social-ecological systems: Priority questions to inspire future research. *Frontiers in Ecology and the Environment*.
- Hansen, W. D.**, W. H. Romme, A. Ba, and M. G. Turner. 2016. Shifting ecological filters mediate postfire expansion of seedling aspen (*Populus tremuloides*) in Yellowstone. *Forest Ecology and Management*, 362: 218-230.
- Turner, M. G., D. C. Donato, **W. D. Hansen**, B. J. Harvey, W. H. Romme, and A. L. Westerling. Climate change and novel disturbance regimes in national park landscape. In: Beissinger, S.R., D.D. Ackerly, H. Doremus, and G. Machlis (Editors). *In press*. Science for Parks, Parks for Science: The Next Century. University of Chicago Press, Chicago, Illinois
- Hansen, W.D.** Julie M. Mueller, Helen T. Naughton. 2014. Wildfire in hedonic property value studies. *Western Economics Forum*, 13(1): 23-35.
- Hansen, W.D.** 2014. Generalizable principles for ecosystem stewardship-based management of social-ecological systems: Lessons learned from Alaska. *Ecology and Society*, 19(4):13.
- Hansen, W.D.**, H. Naughton. 2013. The effects of a spruce bark beetle outbreak and wildfires on property values in the wildland-urban interface of south-central Alaska, USA. *Ecological Economics*, 96: 141-154.
- Brinkman T.J., G.P. Kofinas, **W.D. Hansen**, F.S. Chapin, S. BurnSilver, and S. Rupp. 2013. Evaluating hunting opportunities: Shifting from *abundance* to *availability*. *The Wildlife Professional*, 7(3): 38-43.
- Hansen, W.D.**, T.J. Brinkman, M. Leonawicz, F.S. Chapin, G.P Kofinas. 2013. Changing Daily Wind Speeds: Implications for a Subsistence Hunting System. *Arctic*, 66(4): 448-458.
- Hansen, W.D.**, H.T. Naughton. 2013. Social and ecological determinants of land clearing in the Brazilian Amazon: A spatial analysis. *Land Economics*, 89(4): 699-721.
- Hansen, W.D.**, T.J. Brinkman, F.S. Chapin, C. Brown. 2013. Meeting indigenous subsistence needs: The case for prey switching in rural Alaska. *Human Dimensions of Wildlife*, 18(2): 109-123.

## Professional Presentations (Presenting author only)

- Hansen, W.D.,** W. H. Romme, A. Ba, M.G. Turner. 2015. Shifting ecological filters mediate postfire expansion of seedling aspen (*Populus tremuloides*) in Yellowstone. Presented at the Ecological Society of America Annual Symposium, Baltimore Maryland, USA. *Oral Presentation.*
- Hansen, W.D.** 2015. Managing natural disturbances in human dominated landscapes. Presented at the Western Forest Insect Work conference, Santa Fe, NM, USA. *Oral Presentation.*
- Hansen, W.D.,** W. Romme, M.G. Turner. 2014. Fire, climate, and reduced browsing foster an expansion of seedling aspen (*Populus tremuloides*) after the 1988 Yellowstone fires. Presented at the 12<sup>th</sup> Biennial Scientific Conference on the Greater Yellowstone Ecosystem. Mammoth, WY, USA. *Poster Presentation.*
- Hansen, W.D.,** W. Romme, M.G. Turner. 2014. Fire, climate, and reduced browsing foster an expansion of seedling aspen (*Populus tremuloides*) after the 1988 Yellowstone fires. Presented at the Ecological Society of America Annual Symposium, Sacramento California, USA. *Oral Presentation.*
- Hansen, W.D.** 2014. Complex interactions between people and natural disturbance: Lessons learned and questions raised from a case study of beetle outbreak, wildfires, and property values in south-central Alaska. Presented at Large Wildland Fires: Social, Political, and Ecological Effects, Missoula Montana, USA. *Oral Presentation.*
- Hansen, W.D.** 2014. Generalizable principles for ecosystem-stewardship-based management of social-ecological systems: Lessons learned from Alaska. Presented at Resilience: The Third International Science and Policy Conference, Montpellier, France. *Oral Presentation.*
- Hansen, W.D.,** T.S. Rupp, F.S. Chapin, H.T. Naughton, D. Verbyla. 2012. Linked Disturbance Interactions: Implications for Ecosystems and People. Presented at the Ecological Society of America Annual Symposium, Portland Oregon, USA. *Oral Presentation.*
- Hansen, W.D.,** T.S. Rupp, F.S. Chapin, H.T. Naughton, D. Verbyla. 2012. Linked Disturbance Interactions: Implications for Ecosystems and People. Presented at the 2012 Alaska EPSCoR All Hands Meeting. University of Alaska, Fairbanks, Fairbanks, Alaska, USA. *Poster Presentation.*
- Hansen, W.D.,** T.J. Brinkman, M. Leonawicz, F.S. Chapin, G.P. Kofinas. 2012. Changing Daily Wind Speeds: Implications for a Subsistence Hunting System. Presented at International Polar Year 2012 Conference. Palais des Congres, Montreal, Quebec, Canada. *Oral Presentation.*
- Hansen, W.D.,** T.S. Rupp, F.S. Chapin, H.T. Naughton, D. Verbyla. 2012. Linked Disturbance Interactions: Implications for Ecosystems and People. Presented at the 2012 Alaska Chapter of the Society of American Foresters Meeting. Pikes Riverfront Lodge, Fairbanks, Fairbanks, Alaska, USA. *Poster Presentation.*
- Hansen, W.D.,** T.S. Rupp, F.S. Chapin, H.T. Naughton, D. Verbyla. 2012. Linked Disturbance Interactions: Implications for Ecosystems and People. Presented at the 2012 Alaska Cooperative Fish and Wildlife Research Unit Meeting. University of Alaska, Fairbanks, Fairbanks, Alaska, USA. *Poster Presentation.*
- Hansen, W.D.,** T.J. Brinkman, M. Leonawicz, F.S. Chapin, G.P. Kofinas. 2012. Changing Daily Wind Speeds: Implications for a Subsistence Hunting System. Presented at the Alaska Forum

on the Environment. Dena'ina Civic and Convention Center, Anchorage, Alaska, USA. *Oral Presentation.*

**Hansen, W.D.,** T.J. Brinkman, M. Leonawicz, F.S. Chapin, G.P. Kofinas. 2011. Changing Daily Wind Speeds: Implications for a Subsistence Hunting System. Presented to the National Petroleum Reserve-Alaska Subsistence Advisory Panel. Organized by the US Bureau of Land Management. Fairbanks, Alaska, USA. *Oral Presentation.*

**Hansen, W.D.,** T.J. Brinkman, F.S. Chapin, C. Brown. 2011. Meeting indigenous subsistence needs: Prey switching in rural Alaska. Presented at the Annual Alaska Chapter of the American Fisheries Society. Alyeska Resort, Girdwood, Alaska, USA. *Oral Presentation.*

**Hansen, W.D.,** T.J. Brinkman, F.S. Chapin, C. Brown. 2011. Meeting indigenous subsistence needs: Prey switching in rural Alaska. Presented at the 96<sup>th</sup> Ecological Society of American Annual Symposium. Austin Convention Center, Austin, Texas, USA. *Oral Presentation*

**Hansen, W.D.,** T. Brinkman, and F.S. Chapin. 2011. Prey switching as an adaptive strategy to manage restrictions on subsistence wildlife harvest in rural Alaska. Presented at Resilience Second International Science and Policy Conference, Tempe, Arizona, USA. *Oral Presentation.*

**Hansen, W.D.** 2010. Deforestation in the Amazon: An exploration in how measurements of environmental quality may contribute to peasant land use decisions. Presented at The National Conference for Undergraduate Research, University of Montana, Missoula, Montana, USA. *Oral Presentation.*

### **Professional Service**

- Chair, Ecological Society of America Student Section (2015-Present)
- Vice Chair: Ecological Society of America Student Section (2014-2015)
- Ad hoc Reviewer: NSF Arctic System Science Program, Division of Polar Programs (2014)
- Organized Special Session Social-ecological solutions to the wildfire paradox, Association for Fire Ecology Large wildland fire conference 2014, Missoula, MT.
- Vice President: UW Chapter Student Section Association for Fire Ecology (2014-Present)
- Editorial Board Member and Co-founder: Early Career Climate Forum (2012-2014)
- Manuscript reviewer for *Ecological Economics*, *Ecology and Society*, *Ecological Anthropology*, *Forest Ecology and Management*, *Land, Land Economics*

### **Undergraduate Mentoring and Research Trainees**

2013-2017 Aisha Ba- University of Wisconsin, Madison Introductory Biology Mentored Research Program and continued Independent Research. Winner of the UW Hilldale Undergraduate Research Fellowship

### **Invited Guest Lectures**

- 2015 University of Alaska, Fairbanks Resilience and Adaptation Program: All Rap Seminar.
- 2012 Center for Alaska Coastal Studies: Linked Disturbance Interactions in South-central Alaska: Implications for Ecosystems and People.