

## **Joshua B. Gruver**

Assistant Professor

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## **Education**

Doctorate of Philosophy (received 8/2010)

The Pennsylvania State University, University Park, PA

Forest Resources and the Human Dimensions of Natural Resources and Environment

Dissertation: Understanding Private Forest Landowners' Experiences As They Plan For Their Forests' Future

Master of Science (received 8/2005)

The Pennsylvania State University, University Park, PA

School of Forest Resources and Watershed Stewardship Option

Thesis: Evaluation of DCNRs Watershed Education Program for Teachers in Pennsylvania

Baccalaureate of Science (received 5/1994)

Virginia Polytechnic Institute, Blacksburg, VA

Biochemistry (Chemistry minor)

## **Teaching and Research Interests**

Human dimensions of natural resources

Smallholders/land management and decision making

Private forest landowners/forest planning

Wildfire mitigation and risk perception

## **Peer Reviewed Publications**

- Grover, S.T., **J.B., Gruver**, B.J. Lepore. "Slow to Change": Farmers' perceptions of place-based barriers to sustainable agriculture. *In review*.
- Gordon, J.S., **J.B., Gruver**, C.G. Flint, and A.E. Luloff. 2013. Wildfire Perception and Landscape Change on the Kenai Peninsula. *Journal of Environmental Management*. 52(4): 807-820.
- Luloff, A.E., J.C. Finley, W. Myers, A.L. Metcalf, D. Mataritta-Cascante, C.M. Robanarialena, J.S. Gordon and **J.B. Gruver**. 2012. What Do Stakeholders Add to Identification of Conservation Lands. *International Journal of Society and Natural Resources*. 24(2):1345-1353.
- **Gruver, J.B.** and Luloff A.E. 2008. Engaging Pennsylvania teachers in watershed education. *The Journal of Environmental Education*. 40(1):43-54.
- **Gruver, J.B.**, Smith, S.S., and Finley, J.C. 2008. Water curriculum evaluation for educators in Pennsylvania. *Applied Environmental Education and Communication*. 7(4):164-170.

## Reviewed Publications

- **Gruver, J.B.**, A. Metcalf, J. Finley, A.E. Luloff, and A.B. Muth. 2013. The Future of Penn's Woods: A mixed-methods study of parcelization and Pennsylvania's private forests. Report prepared for the Pennsylvania Department of Conservation and Natural Resources, Bureau of Forestry. 80 pgs.
- **Gruver, J.B.**, K. Jacobi-Karna, J. Kotecki, D. Largent, A. Nickoli, G. Pavlechko, B. Pickerill, T. Smith, and J. Young. 2012. Enhancing Student Engagement through Content Capture Software (Panopto) and an Audience-Response System (i>clicker). Submitted to McMillan Publishing. 17 pgs.
- Luloff, A.E., Dana LK. Hoag, D.L. Osmond, B.R. Woods, J.S. Gordon, **J. B. Gruver**, K. Roka, C.M. Raboanarielina, C. Longmire, M. Ward, J.L. Weigle. 2012. NIFA-CEAP Key Informant Survey: What Farmers, Agency Personnel, and Stakeholders Think. In *How to Build Better Agricultural Conservation Programs to Protect Water Quality: The NIFA-CEAP Experience*, ed D. Osmond, D. Meals, D. Hoag, and M. Arabi., Akeney, IA: Soil and Water Conservation Society.
- **Gruver, J.B.**, and J.C. Finley. 2009. The Decision Tree: Timber Harvesting for Plants and Wildlife Habitat in Pennsylvania. A Pennsylvania Agricultural Science Curriculum for Tenth Graders. Sustainable Forests Initiative and The Pennsylvania State University.
- **Gruver, J.B.**, and J.C. Finley. 2007. Sustainable Forests: Pennsylvania Agricultural Science Curriculum for Tenth Graders. Sustainable Forests Initiative and The Pennsylvania State University.
- **Gruver, J.B.** and J.C. Finley. 2006. Forest Biodiversity Brochure. Sustainable Forests Initiative and The Pennsylvania State University.
- **Gruver, J.B.** 2005. Community Resources. In *Spruce Creek Watershed Assessment and Stewardship Plan Keystone Project - Phase II*. Eds. Sherwin, L. Cole, A. Center for Watershed Stewardship, The Pennsylvania State University.
- **Gruver, J.B.** 2005. Community Based Watershed Initiatives. In *Spruce Creek Watershed Assessment and Stewardship Plan Keystone Project - Phase II*. Eds. Sherwin, L. Cole, A. Center for Watershed Stewardship, The Pennsylvania State University.

## Presentations at Professional Meetings

- **Gruver, J.B.** 2013. "Forest Conservation Easements - A Way Forward? Perspectives from Pennsylvania's Private Forest Landowners." 19th International Symposium on Society and Resource Management. June 2013. Estes Park, CO.
- Grover, S. and **Gruver, J.B.** 2013. "Exploring Motivations and Perceptions of Small Scale Farmers: Considerations for Sustainable Agriculture in East Central Indiana." 19th International Symposium on Society and Resource Management. June 2013. Estes Park, CO.
- Grover, S. and **J.B. Gruver**. 2013. "Exploring Motivations and Perceptions of Small Scale Farmers: Considerations for Sustainable Agriculture in East Central Indiana." Small Farms Conference. April 2013. Danville, IN.
- Denman, B. and **J.B. Gruver**. 2013. "A Study of the Opinions and Perceptions of Ely, Minnesota Residents Towards Potential Sulfide Mining in the Boundary Waters and Superior National Forest." BSU Student Symposium. March 2013. Muncie, IN.
- Nichols, M. and **J.B. Gruver**. 2013. "Environmental Protection Agency: Office of Emergency Management Summer Internship." BSU Student Symposium. March 2013. Muncie, IN.

- **Gruver, J.B.**, K. Jacobi-Karna, J. Kotecki, D. Largent, A. Nickoli, G. Pavlechko, B. Pickerill, T. Smith, and J. Young. 2012. "Enhancing Student Engagement Through the Use of Content Capture and i>clicker." Clicker Conference. October 2012. Chicago, IL.
- **Gruver, J.B.** 2012. "Community Response to Potential Sulfide Mining in Ely, MN and Areas Proximate to the Boundary Waters Canoe Area Wilderness." 18th International Symposium on Society and Resource Management. June 2012. Edmonton, Alberta. Canada.
- Pickerill, B, G. Pavlechko, J. Kotecki, D. Largent, J. Young, A. Nickoli, T. Smith, and **J.B. Gruver**. 2012. "The Effect of Pre-Lecture Video and Student Response Systems on Learning Outcomes and Course Success." 26<sup>th</sup> Annual Indiana Association for Institutional Research. March 2012. West Lafayette, IN.
- Owen, D., and **J.B. Gruver**. 2012. Physiological Impacts of Prescribed Fire on Two Species of Rattlesnakes. Ball State Student Symposium. March 2012. Muncie, IN.
- **Gruver, J.B.**, J.C. Finley, A.B. Muth, A.E. Luloff, W. Elmendorf, S.S. Smith, and R.C. Stedman. 2011. "The Future of Pennsylvania's Forests: Engaging Private Forest Landowners in Their Decision Making Processes Concerning the Future of Their Forestland." 17th International Symposium on Society and Resource Management. June 2011. Madison, WI.
- **Gruver, J.B.**, A.B. Muth, J.C. Finley, A.E. Luloff, W. Elmendorf, and R.C. Stedman. 2011. "The Future of Pennsylvania's Forests: Engaging Private Forest Landowners in Their Decision Making Processes Concerning the Future of Their Forestland." 17<sup>th</sup> International Symposium on Society and Resource Management, June 2011, Madison, WI.
- **Gruver, J.B.** 2011. "Engaging Private Forest Landowners in Land Management and Land-use Decisions. Poster presentation. Stewardship Network. January 2011. East Lansing, MI.
- **Gruver, J.B.**, A.B. Muth, J.C. Finley, A.E. Luloff, W. Elmendorf, S.S. Smith, and R.C. Stedman. 2010. "Understanding Private Forest Landowners' Experiences As They Plan For Their Forests' Future." 16<sup>th</sup> International Symposium on Society and Resource Management, June 2010, Corpus Christi, TX.
- **Gruver, J.B.**, A.B. Muth, J.C. Finley, A.E. Luloff, W. Elmendorf, S.S. Smith, and R.C. Stedman. 2009. Plenary: "The Future of Pennsylvania's Forests: Engaging Private Forest Landowners in Their Decision Making Processes Concerning the Future of Their Forestland." International Union of Forest Organizations: Small Scale Forestry Symposium. June 2009, Morgantown WV.
- **Gruver, J.B.**, A.B. Muth, J.C. Finley, A.E. Luloff, R.C. Stedman, and A.L. Metcalf. 2008. "Forest Parcelization and the Future of Penn's Woods." 14th International Symposium on Society and Resource Management, June 2008, Burlington, VT.
- Muth A.B., A.L. Metcalf, **J.B. Gruver**, and J.C. Finley. 2008. "Putting People in a Natural Resources Management Curriculum: Facilitating Natural Resources Decisions Course." 14th International Symposium on Society and Resource Management, June 2008, Burlington, VT.
- Gordon, J., B. Woods, and **J.B. Gruver**. 2008. "Returning to study natural resource communities." Roundtable discussion. 14th International Symposium on Society and Resource Management, June 2008, Burlington, VT.
- **Gruver, J.B.**, A.E. Luloff, J.C. Finley, D. Matarrita-Cascante, C. Harbison, A. Metcalf, and J. Gordon. 2007. "Guiding Public Concern for Water Resource Issues toward Engagement." The International Symposium on Society and Resource Management. June 2007, Park City, UT.
- Luloff, A.E., J.C. Finley, W. Myers, D. Mataritta-Cascante, C. Harbison, A.L. Metcalf, J. Gordon, and **J.B. Gruver**. 2007. "Measuring and Comparing the Public's and Scientist's Perspectives on Conservation Values." Paper presented at the 13th International Symposium on Society and Resource Management. June, 2007, Park City, UT.

- **Gruver, J.B.** and Smith S. 2005. "Evaluation of DCNRs Watershed Education Curriculum for Teachers in Pennsylvania." North American Association of Environmental Educators. October 2005, Albuquerque, NM.

### **Invited Presentations**

- **Gruver, J.B.** 2013. "Managing Wetlands: A Community Perspective." Little River Wetlands Project. June 2013.
- **Gruver, J.B.** 2013. "Understanding Private Forest Landowner's Experiences as They Plan for Their Forests' Future." Muncie Chapter of the Audubon Society. February 2013.
- **Gruver, J.B.** 2008. "Forest Ecology: Part II." Pennsylvania Institute for Conservation Education: Wildlife Leadership Adventures. July 2008.
- **Gruver, J.B.** 2007. "Forest Ecology: Part I." Pennsylvania Institute for Conservation Education: Wildlife Leadership Adventures. July 2007.
- Luloff, A.E., J.C. Finley, W. Myers, D. Mataritta-Cascante, C. Harbison, A. Metcalf, J. Gordon, and **J.B. Gruver.** 2007. "Measuring and Comparing the Public's and Scientist's Perspectives on Conservation Values." Invited presented to the Department of Natural Resources and Environmental Sciences Seminar Series, University of Illinois at Urbana-Champaign. November 2007.
- **Gruver, J.B.** 2005. "Evaluation of DCNRs Watershed Education Curriculum for Teachers in Pennsylvania." Pennsylvania Bureau of State Parks. December 2005.
- **Gruver, J.B.** 2004. "Community Watershed Education." Spruce Creek Watershed Community Meeting. October 2004.
- **Gruver, J.B.** 2004. "The Role of Environmental Stewardship in a Community Context." Sandy Spring Friends School Community Day. April 2004.

### **Editorships, review panels, board memberships**

- 2012-2013. Appointed Board Member of the Delaware County Soil and Water Conservation District.
- Summer 2011. Forest Parcelization/Fragmentation session facilitator at the 17th International Symposium on Society and Resource Management. June 2011. Madison, WI.
- Summer 2011. Poster judge at the 17th International Symposium on Society and Resource Management. June 2011. Madison, WI.
- Summer 2011. Peer reviewer for Journal of Society and Natural Resources.
- Spring 2011. Peer reviewer for Journal of Extension.
- Spring 2010. Invited participant in panel discussion at the Annual Stewardship Network Conference in East Lansing, MI., concerning climate change and effects on Midwestern agriculture and on producers themselves.

### **Book Reviews**

- **Gruver, J.B.** 2009. Book Review of: Forest Community Connections: Implications for Research, Management, and Governance. (*in press*) Eds. Donoghue, E.M. and Sturtevant, V.E. For Publication in *The Journal of Community and Scholarship*.
- **Gruver, J.B.** 2008. Book Review of: Ecological Nationalisms: Nature, Livelihoods, and Identities in South Asia. Eds. Cederlof, G., and K. Sivaramakrishnan. Published in *Society and Natural Resources*.

21(9):856-858.

### **Popular Publications**

- **Gruver, J.B.**, 2011. Balancing Forests, Family Economics, and Heirs: What We're Learning from PA PFLs. *Pennsylvania Forests Magazine* - Fall Issue.
- **Gruver, J.B.**, J. Gordon, M. Branch, and J. Morrow. Is there a place for Pennsylvania's sylvan communities in America's biofuel future? (*in press*) For Publication in *Sylvan Communities*.

### **Grants and Awards**

- 2012. McVey Memorial Forest Management Plan (with Jenni Cury). Red Tail Land Conservancy Grant. (\$3,000).
- 2012. Voices of Growth: The Changing Food-scape of East Central Indiana (with Samantha Grover). Provost Immersive Learning Grant Program. (\$11,500).
- 2012. East Central Indiana Smallholder Farmers and Their Soil Quality. Junior ASPIRE grant program (with Dr. Brian Lepore). (\$10,000).
- 2011. Managing Urban Wetlands: A Community Perspective. ASPIRE – BSU Internal Grant. (\$500 to support graduate student research).
- 2011. The 'feel' of land: Understanding how a relationship to the land influences community activity. Indian Land Tenure Foundation – (\$1650 to support Graduate student research).
- 2011. Tribal revitalization within the Pokagon Band of Potawatomi Indians: The role of natural resources. Indian Land Tenure Foundation - \$1500 to support the development of graduate research and course development.
- 2008. Parcelization in Pennsylvania: Future of Forests Study. The Department of Conservation and Natural Resources, Harrisburg, PA (with James Finley and A.E. Luloff) (\$289,000)
- 2005 and 2009. Graduate Student Travel Grant. The College of Agriculture Sciences, The Pennsylvania State University (\$500 and \$500)
- 2005 and 2009. Graduate Student Travel Grant. The School of Forest Resources, The Pennsylvania State University (\$300 and \$300)
- 2004 and 2005. Laurel Haven Conservation Education Scholarship. The School of Forest Resources, The Pennsylvania State University. (\$1,000 and \$1,000)

### **Professional Affiliations**

- Delaware County Soil and Water Conservation District
- International Association for Society and Natural Resources
- Indiana Academy of Science
- Woodland Owners Network
- American Waters Resources Association
- North American Association of Environmental Educators

### **International Experience**

- U.S. Peace Corps Volunteer: Spring 1996 – Spring 1998  
Papua New Guinea, South Pacific  
Taught math and science courses to high school students in a remote village in East Sepik Province. Fluent in speaking and writing Tok Pisin.

Joshua B. Gruver

- Lead Instructor and Trip Coordinator: Fall 2000 and Spring 2001  
Youth International  
Youth International is an educational program combining cultural, environmental, and service learning programming directed at adult learners (18-24 years of age). Up to 14 participants travel abroad for semester-long programs. I was one of two trip leaders for the Fall - Africa and Middle Eastern trips (Kenya, Jordan, Israel, Egypt) as well as the Spring - Asia trip (Philippines, Thailand, India, and Nepal).