

Curriculum Vita

Matthew J. Shinderman, PhD

Instructor

Natural Resources Program

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Education:

BS Environmental Studies/Health Sciences, James Madison University, 1995

MS Range Ecology, Utah State University, 1999

PhD Ecosystem Management, Colorado State University, 2003

Employment/Previous Experience:

2009-Present Special Energy Consultant, OSU Cascades

2006-Present Independent Ecological Consultant

2005-Present Instructor, Natural Resources Program, OSU Cascades

2003-2004 Adjunct Faculty, Natural Resources Program, OSU Cascades

2001-2003 Instructor, College of Natural Resources, Colorado State University

2001-2003 Research Scientist, US Forest Service Rocky Mountain Research Station

1998-1999 Instructor, College of Natural Resources, Utah State University

Courses:

Ecosystem Management

Natural Resource Decision Making

Environmental Politics and Policy

Environmental Conservation

Ecological Field Methods

Sustainable Communities

Rangeland Ecology and Management

Global Crises in Resource Ecology

Endangered Species Ecology, Society

and Sustainability

Ecological Aspects of Park and Protected

Area Management

Research Interests:

- Ecological restoration (emphasis on streams)
- Efficacy of the ecosystem management paradigm and collaborative management approaches
- Models of sustainable community development
- Biofuels
- Ecological and social aspects of Green Building

Current Research Projects:

Dimensions of consumer behavior related to green home purchases. This research is being conducted in collaboration with faculty from the OSU-Cascades Business program. *In process.*

Graduate Students:

Jennifer Letz, Prescott College, AZ. Master of Arts Program in Sustainability.
Thesis topic-Developing sustainable energy programs in US national parks.
Graduated Summer 2007.

Collaborative Projects:

- Development of a multi-disciplinary course in sustainable community development with various faculty and community members.
- Private Consultant (11/06-5/07): City of Bend and Cooper-Robertson Associates. Ecological site assessment of Juniper Ridge, a 1600 acre development site in Bend, Oregon.
- Macro-invertebrate sampling on Lake Creek, Oregon. In collaboration with the Upper Deschutes Watershed Council (UDWC) and faculty from the University of Oregon. This work supports UDWC restoration activities at Lake Creek Lodge.
- On-going collaboration with UDWC and students to develop coursework that integrates students into the design, planning, and implementation of local watershed restoration projects. In Winter 2006, students in NR 455 Natural Resource Decision Making produced a decision analysis document pertaining to restoration options for Whychus Creek, a historically significant spawning stream for steelhead.
- Worked with Students in NR 455 (Winter 2005) to produce a report for the Deschutes Basin Land Trust summarizing passage restrictions in Lake Creek, Oregon.
- On-going work with University of Oregon faculty to develop and deliver curriculum for a summer restoration field course

Publications:*Peer-reviewed*

Rowe, H.I., Shinderman, M., and E.T. Bartlett. 2001. Change on the range: difficult choices for ranchers. *Rangelands* 23(2): 6-9.

Shinderman, M., and C.A. Call. 2001. Establishment of forbs in cattle dungpats deposited in vegetation gaps in a degraded sagebrush community. *Ecological Restoration*: 19(2):99-106.

Popular Media

- Shinderman, M. 2007. Heating efficiency 101: How to use less and save more. *Bend Living Magazine* June issue.
- Shinderman, M. 2007. Lightness of Being: Ten easy steps to a smaller ecological footprint in 2008. *Bend Living Magazine* October/November issue.
- Shinderman, M. 2007. Think globally, shop locally: Being green starts with buying close to home. *Bend Living Magazine* June/July issue.
- Shinderman, M. 2008. Become a water miser. *Bend Living Magazine* October issue.
- Shinderman, M. 2008. Lessons from Three Rivers: Living off the grid and on the urban fringe. *Bend Living Magazine* March/April issue.
- Shinderman, M. 2008. Ten tips for a greener holiday season. *Bend Living Magazine* December issue.
- Shinderman, M. 2008. Tapping into the light from above. *Bend Living Magazine* June/July issue.
- Shinderman, M. 2009. Gearing up for sustainability in Bend. *Gusto* June issue.
- Shinderman, M. 2009. What Oregon should expect from the ARRA stimulus package. *Gusto* June issue.

Presentations:

- Energy and the future of America's Economy. Nancy R. Chandler Visiting Scholar Lecture Series. Speaker. May 2009.
- The Importance of Buying Locally. Bend Chamber of Commerce Panel Discussion. Invited panelist. May 2009.
- Climate Change and Community Development. Large-Scale Managers Workshop, Sunriver Oregon. Keynote speaker. September 2008.
- Greening Your Business. Bend Chamber Professional Development Series. Invited panelist. April 2008.
- Ecological Considerations for Development: A Case Study at Juniper Ridge, Oregon. Sustainable Building Advisor Program, Central Oregon Community College. April 2008.
- Global Climate Change: the Complicated Truth. Sunriver Men's Discussion Group, Sunriver, Oregon. January 2007.

Potential for ecosystem management with exurban landowners in the southern Rocky Mountains. International Symposia on Society and Resource Management, Sardinia, Italy. 2002.

Exurban development in the southern Rocky Mountains. Human Dimensions of Natural Resources in the Western United States, Grand Targhee, Wyoming. 2001.

Establishment of forbs in cattle dungpats deposited in vegetation gaps in a degraded sagebrush community. International Conference for the Society for Ecological Restoration, Austin, Texas. 1998

Community Outreach/Civic Involvement:

Member, Bend 2030 Board (May 2009-).

Non-profit community organization authorized by the City of Bend to develop and implement a long-term community development plan.

Member, Oregon Dept of Fish and Wildlife Deschutes River Mitigation and Enhancement Board (January 2008-present).

This board, consisting of members appointed by the Deschutes County Commissioners, is responsible for directing the use of funds for restoration projects on the upper Deschutes River.

President, Board of Directors, 3EStrategies (11/05-11/06).

The leading non-profit organization in Central Oregon focused on developing sustainable communities in the Pacific Northwest and beyond. 3EStrategies focuses on three main program areas (Building Green, Energy and Climate, and Sustainable Economic Development) and coordinates the state's largest Tour of Solar Homes. Website: www.3estrategies.org.

Board of Advisors, 3EStrategies (11/06-11/08)

Volunteer, Oregon Trout Healthy Waters Institute (10/05, 10/06, 10/07).

Field instruction on macro-invertebrates for middle and high-school students.

Professional Certificates and Accreditations

Certificate: The Natural Step, Sustainability 101. August 2009.

Certificate: The Natural Step, Sustainability: Step by Natural Step. August 2009.