

**ERIK A. LEHNHOFF – CURRICULUM VITAE**

Center for Invasive Plant Management  
Montana State University  
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**EDUCATION**

Ph.D., Ecology and Environmental Science, Montana State University, May 2008  
MS, Environmental Engineering, Tennessee Technological University, 1994  
BS, Civil Engineering, Clemson University, 1993

**EMPLOYMENT**

**Assistant Director for Research** 8/2008 – Present  
Center for Invasive Plant Management, Montana State University, Bozeman, MT.  
Developing an invasive species and regional IPM research program focused on generating science-based information on invasive plant ecology and management. Early Detection – Rapid Response project leader for the Missouri River Watershed Coalition.

**Assistant Research Professor** 11/2008 - Present  
Land Resources and Environmental Sciences, Montana State University, Bozeman, MT.  
Conduct dendrochronological research on *Tamarix spp.* populations along the Yellowstone River to investigate the link between species establishment and hydrological conditions. Perform community vegetation analysis, soil analysis and research spatial aspects of invasive plants at Fort Peck Reservoir, the Yellowstone River, Yellowstone National Park and the Rocky Mountain Front, Montana.

**Adjunct Instructor** Fall 2007 & Fall 2008  
Land Resources and Environmental Sciences, Montana State University, Bozeman, MT.  
Taught undergraduate weed ecology class and laboratory (Weed Ecology and Management – LRES 443). Focused on the ecology of invasive plant species, methods of monitoring and modelling population demographics and integrated weed management techniques.

**Graduate Research Assistant** 2002 – 5/2008  
Land Resources and Environmental Sciences, Montana State University, Bozeman, MT.  
Developed methodology to quantify plant invasiveness in differing environments based on changes in population density and spatial extent, and assessed the effects of soil disturbance, grazing, burning and herbicide on growth rate and invasiveness of *Linaria vulgaris* near West Yellowstone, Montana. Assessed these same effects on the native plant community. Evaluated how soil disturbance size and propagule pressure affected the success of *L. vulgaris* colonization and survival.

**Graduate Fellow** 2006 – 5/2008  
National Science Foundation GK-12 Fellowship. Montana State University, Bozeman, MT.  
Developed inquiry-based science curricula and implemented lessons in rural K-8 classrooms near Bozeman, MT. Focused on plant ecology, soil science and water quality.

**PUBLICATIONS**

Maxwell, Bruce D., Lisa J. Rew and Erik A. Lehnhoff. (2009). The rationale for monitoring invasive plant populations as a crucial step in management. *Invasive Plant Science and Management*.

Lehnhoff, Erik A., Lisa J. Rew, Bruce D. Maxwell and Mark L. Taper. (2008). Quantifying invasiveness: A case study of *Linaria vulgaris*. *Invasive Plant Science and Management*.

Lehnhoff, Erik A., Walt Woolbaugh and Lisa J. Rew (2008). Designing the Perfect Plant: Activities and a Game to Investigate Plant Ecology. *Science Scope*.

Rew, L.J., Erik A. Lehnhoff and Bruce D. Maxwell. (2007). Non-indigenous species management using a population prioritization framework. *Canadian Journal of Plant Science*. 87:1029-1036.

Lehnhoff, Erik A., Lisa J. Rew and Steve Sutherland. Disturbance size more important than propagule pressure in the colonization success of *Linaria vulgaris* Mill. Submitted to *Perspectives in Plant Ecology, Evolution and Systematics*, 2009.

#### **PRESENTATIONS**

International Weed Science Congress. Vancouver, BC. June 24, 2008. Plant Community Response to Disturbance in the Presence of *Linaria vulgaris* (yellow toadflax). Erik Lehnhoff, Lisa Rew and Bruce Maxwell.

Invasive Species in Natural Areas, A Conference on Impact and Management. Montana State University Extension Service. Missoula, MT. February 13, 2008. Herbicide use for restoration of *Linaria vulgaris* infested sites: A cautionary tale. Erik Lehnhoff, Lisa Rew and Bruce Maxwell.

Canadian Weed Science Society, Ecology and Invasive Species Symposium, Saskatoon, Canada. June 13, 2007. An Ecological Perspective on Invasive Plant Management. Lisa Rew, Erik Lehnhoff and Bruce Maxwell.

Weed Science Society of America, San Antonio, TX. February 8, 2007. Disturbance Size and Propagule Pressure Influence Colonization Success of Yellow Toadflax (*Linaria vulgaris*). Erik Lehnhoff, Lisa Rew and Bruce Maxwell.

Weed Science Society of America, San Antonio, TX. February 7, 2007. Confronting an Individual Plant Model with Data. B. Maxwell, R. Smith, E. Lehnhoff, F. Pollnac, K. Harbuck, J. Sciegienka and M. Buteler.

Western Society of Weed Science, Reno, Nevada. March 15, 2006. Modelling and Predicting the Invasiveness of Plant Populations. Erik Lehnhoff, Bruce Maxwell and Lisa Rew.

Western Society of Weed Science, Vancouver, British Columbia, Canada. March 8, 2005. Effects of Disturbance and Environment on the Invasion Potential of Yellow Toadflax. Erik Lehnhoff, Lisa Rew and Bruce Maxwell.

#### **RESEARCH GRANTS**

Montana Noxious Weed Trust Fund. 2009. \$30,562. Assessing plant community and soil characteristics after saltcedar invasion and treatment. Erik Lehnhoff, Fabian Menalled and Lisa Rew. Montana State University.

Center for Invasive Plant Management, 2005. \$5,000. Assessing the effect of the scale of soil disturbance on the colonization potential of yellow toadflax (*Linaria vulgaris*) and native vegetation. Lisa Rew and Erik Lehnhoff, Montana State University.

USFS Rocky Mountain Research Station, Fire Sciences Laboratory, 2004. \$8,382. The Effects of Disturbance on the Invasiveness of *Linaria vulgaris*. Erik Lehnhoff, Lisa Rew and Bruce Maxwell.

#### **PROFESSIONAL MEMBERSHIPS AND REGISTRATIONS**

Ecological Society of America

Weed Science Society of America

Western Society of Weed Science

Registered Professional Engineer (Tennessee: Registration No. 104539)