

CURRICULUM VITAE

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EDUCATION

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

EMPLOYMENT

Graduate Teaching / Research Assistant 2002 – Present
Land Resources and Environmental Sciences, Montana State University, Bozeman, MT.
Perform research in the areas of plant ecology and soil science, teach classes and laboratories, and teach science through a National Science Foundation fellowship in K-8 schools.

Project Engineer 1996 – 2002
TriAD Environmental Consultants, Inc., Nashville, TN.
Project engineer in charge of landfill design, investigation and remediation of sites contaminated with hazardous or solid waste and compliance issues.

Environmental Consultant 1995 – 1996
Environmental and Safety Designs, Inc., Nashville, TN.
Environmental consultant for site investigation and remediation work on contaminated sites. Also prepared Solid Waste Management Plans for U.S. Navy bases in southeastern U.S. and Italy.

RESEARCH

Graduate Research Assistant 2004 – 2007
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 Research Assistant 2003 – 2004
Montana State University, Bozeman, MT.

Surveyed northern range of Yellowstone National Park for non-indigenous plant species using stratified (roads and trails) random transects. Used plant presence / absence data, distance from road and trails and environmental data (e.g., slope, elevation, aspect) to develop probability of occurrence maps in a GIS for non-indigenous species.

TEACHING

Graduate Fellow 2006 – Present
National Science Foundation GK-12 Fellowship. Montana State University, Bozeman, MT. Develop inquiry-based science curricula and implement lessons in rural K-8 classrooms near Bozeman, MT. Focus on plant ecology, soil science and water quality.

Adjunct Instructor Fall 2007
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 management.

Graduate Teaching Assistant 2002 – 2006
Montana State University, Bozeman, MT.
Agroecology (LRES 543) – Assisted in design, set-up and implementation of semester-long competition experiments. Introduction to Land Resources and Environmental Science (LRES 110) – Designed and organized field trips. Nutrient Cycling (LRES 351) – Graded class work and organized and implemented greenhouse experiments. The Elements and Nature of Soils Laboratory (LRES 201) – Head lab coordinator, who developed laboratory experiments, prepared other teaching assistants during weekly lab meeting and taught soils lab to undergraduate students.

PUBLICATIONS

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

In Press

Lehnhoff, Erik A., Lisa J. Rew and Bruce D. Maxwell. (2008). Quantifying Invasiveness: A Case Study of *Linaria vulgaris*. *Invasive Plant Science and Management*.

Maxwell, Bruce D., Lisa J. Rew and Erik A. Lehnhoff. (2008). The Rationale for Monitoring Invasive Plant Populations as a Crucial Step in Management. *Invasive Plant Science and Management*.

Accepted

Lehnhoff, Erik A., Walt Woolbaugh and Lisa J. Rew. Designing the Perfect Plant: Activities and a Game to Investigate Plant Ecology. *Science Scope*. Accepted 4/08.

In Review

Lehnhoff, Erik A., Lisa J. Rew, Bruce D. Maxwell and Steve Sutherland. Disturbance Size and Propagule Pressure Affect Colonization Success of Yellow Toadflax (*Linaria vulgaris*). Submitted to Invasive Plant Science and Management, 4/08.

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.

EWRS workshop on modelling weed population dynamics, Research Centre Flakkebjerg, Denmark. October 25, 2006. Linking spatial and temporal population dynamics. Bruce Maxwell, Lisa Rew, Fabian Menalled, Andrew Hulting, Brad Bauer and Erik Lehnhoff.

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.

Ecological Society of America, Montreal, Quebec, Canada. August 9, 2005. Detecting Change in Non-Indigenous Plant Populations. L. Rew, B. Maxwell, E. Lehnhoff and C. Repath.

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.

POSTERS

International Weed Science Congress, Vancouver, BC. Presenting June, 2008. Plant community response to disturbance in the presence of the non-native, *Linaria vulgaris* (yellow toadflax). Erik Lehnhoff, Lisa Rew and Bruce Maxwell.

Ecological Society of America, San Jose, CA. August 9, 2007. Across the River and Into the Trees: Engaging Rural K-8 Students through Ecological Research. Erik Lehnhoff, Matt

Becker and Lisa Rew.

Ecological Society of America, San Jose, CA. August 7, 2007. Effects of Disturbance and Environment on Yellow Toadflax (*Linaria vulgaris*). Erik Lehnhoff, Lisa Rew and Bruce Maxwell.

AWARDS

National Science Foundation, Big Sky Institute Science and Society Fellows Program Fellowship. July 2007 – June 2008 (\$30,000).

National Science Foundation, Big Sky Institute Science and Society Fellows Program Fellowship. July 2006 – June 2007 (\$30,000).

Western Society of Weed Science Student Paper Contest. March 8, 2005. 3rd place.

National Science Foundation, Graduate Research Fellowship, 2004. Honorable Mention.

Annie's Environmental Studies Scholarship, 2003. (\$1,000).

RESEARCH GRANTS

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
Registered Professional Engineer (Tennessee: Registration No. 104539)