

Hilary A. Parkinson
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EDUCATION

M.S., Land Resources and Environmental Science, Montana State University, Bozeman, MT 08/2005 - 8/2008
B.S., Horticulture, Boise State University, Boise, ID 01/2002 - 5/2004
B.A., European Studies, Mount Holyoke College, South Hadley, MA 08/1994 - 5/1998

PROFESSIONAL EXPERIENCE

Plant Identification Diagnostician Montana State University (MSU) 9/2011 – present
Bozeman, MT
Identify plants submitted by ranchers, growers and home owners. Assess specimens with potential herbicide injury and diagnose potential mode of action. Assist with extension activities including workshops and outreach.

Research Associate (MSU) 04/2009 – present
Bozeman, MT
Conduct research in invasive weed ecology and restoration strategies; assist with extension activities including workshops, presentations and other outreach activities; analyze data; prepare manuscripts, extension bulletins and other educational materials on weed ecology and integrated pest management.

Technical Consultant, MSU Cooperative Ecosystem Research Unit 05/2009 - 09/2010
Bozeman, MT
Assisted 10 National Parks in the intermountain region write an Environmental Assessment for weed management practices and developed an integrated weed management plan.

Research Associate, MSU/Rocky Mountain Research Station (RMRS) 12/2008 - 03/2009
Bozeman, MT
Prepared publications to summarize research on restoration with native forbs in cheatgrass (*Bromus tectorum*) infested rangeland in the Great Basin.

Technical Consultant/Plant Ecologist, Sun Ranch Institute 08/2008 - 12/2008
Florence, MT
Served as a consultant for a 6,000-acre conservation-based ranch: mapped plant community types, developed an integrated weed management plan to improve management strategies for leafy spurge (*Euphorbia esula*) and spotted knapweed (*Centaurea stoebe*).

Graduate Research Assistant, Montana State University 08/2005 - 08/2008
Bozeman, MT
Conducted greenhouse and field experiments on the effects of grasses (native and exotic) on the establishment of six Great Basin forbs.

Biological Technician, Plants, USDA, USFS RMRS '05, '06, '07 field seasons
Boise, ID
Assisted with ongoing research of the Great Basin Restoration Initiative (GBRI): developed propagation protocols for 11 Great Basin forb species; surveyed portions of southwestern ID, southeastern Oregon, and northern Nevada to identify seed collection sites for 10 genera of forb species.

Teaching Assistant, MSU 09/2005 - 05/2006
Bozeman, MT
Served as the teaching assistant for the capstone course in Land Resources and Environmental Science.

Biological Technician, Plants, Bureau of Land Management (BLM) 05/2004 - 09/2004
Boise, ID
Completed plant surveys for species of concern in the Owyhee region of southwestern Idaho, identified all plants encountered to species and submitted reports to Idaho Fish and Game.

Native Plant Intern, Boise State University/BLM 08/2002 - 03/2004
Boise, ID
Completed the BLM's native plant internship program: organized the production of native seedlings for spring planting, tested appropriate seed stratification methods, tested seed

longevity of three subspecies of *Artemisia tridentata* for the BLM.

PUBLICATIONS AND PRESENTATIONS

- Parkinson, H., C. Zabinski and N. Shaw. Impacts of native grasses and cheatgrass (*Bromus tectorum* L.) on Great Basin forbs. (In preparation). Journal of Rangeland Ecology and Management.
- Parkinson, H., J. Mangold. Yellow Starthistle: Identification, Biology and Integrated Management. 2011. MT201101AG. Montana State University Extension. Bozeman, MT.
- Duncan, C., J. Story, R. Sheley, revised by H. Parkinson and J. Mangold. Biology, ecology and management of Montana knapweeds. 2011. EB0204. Montana State University Extension. Bozeman, MT.
- Parkinson, H., C. Zabinski, N. Shaw. 2011. Invited speaker, "Impacts of Native and Exotic Grasses on Forb Seedling Growth and Establishment". Society for Range Management 64th Annual Meeting, Billings, MT.
- Parkinson, H., J. Mangold, V. Dupuis, and P. Rice. 2010. Biology, ecology and management of flowering rush (*Butomus umbellatus*). EB201. Montana State University Extension. Bozeman, MT.
- Parkinson, H., and J. Mangold. 2010. Biology, ecology and management of the knotweed complex (*Polygonum* spp.). EB0196. Montana State University Extension. Bozeman, MT.
- Parkinson, H., J. Mangold, and J. Jacobs. 2010. Biology, ecology, and management of hoary alyssum (*Berteroa incana* L.). EB0194. Montana State University Extension. Bozeman, MT.
<http://msuextension.org/publications/AgandNaturalResources/EB0194.pdf>
- Parkinson, H. J. Mangold, J. Jacobs, J. Madsen, and J. Halpop. 2010. Biology, ecology, and management of Eurasian watermilfoil (*Myriophyllum spicatum* L.). EB0193. Montana State University Extension. Bozeman, MT. <http://msuextension.org/publications/AgandNaturalResources/EB0193.pdf>
- Parkinson, H., C. Zabinski, N. Shaw. Growth characteristics of six forbs for revegetation in the Great Basin. Research Note. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. (in revision)
- Parkinson, H. 2008. Impacts of native grasses and cheatgrass on Great Basin forb development. Master's Thesis. Montana State University, Bozeman, MT. 75 p.
- Parkinson, H. Wildfires and climate change. The Bozone. Vol 15:7. April 1, 2008,
- Parkinson, H. Zabinski, C. Shaw, N. Cox, R. Poster presentation. "Assessing the effects of grass competition on Great Basin forbs". Society for Range Management and American Forage and Grassland Council 2008 Joint Annual Meeting, Lexington, KY. January, 2008.
- Parkinson, H., C. Zabinski, and N. Shaw. Poster presentation. "Reseeding native forbs in the Great Basin: A study of the growth patterns of five forbs and interactions with grass neighbors". ESA/SER Joint Meeting, San Jose, CA. August, 2007.
- Parkinson, H and DeBolt, A. 2005. Propagation protocols: *Chaenactis douglasii*, *Eriogonum microthecum*, *Eriogonum umbellatum*, *Lithospermum ruderales*, *Lomatium dissectum*, *Lomatium grayi*, *Lomatium triternatum*, *Machaeranthera canescens*, *Penstemon acuminatus*, *Penstemon deustus*, *Penstemon speciosus*. USDA FS – Rocky Mountain Research Station, Boise, Idaho. In: Native Plant Network. URL: <http://www.nativeplantnetwork.org>. Moscow (ID): University of Idaho, College of Natural Resources, Forest Research Nursery.
- Parkinson, H. 2003. Landscaping with native plants of the Intermountain Region. DeBolt, A., Rosentreter, R. and Geertson, V., eds. Tech. Ref. #1730-3. U.S. Department of Interior, Bureau of Land Management, Boise, ID. 47 p. http://www.idahonativeplants.org/guides/cover_p7.pdf

AFFILIATIONS

Montana Native Plant Society
Ecological Society of America
Society for Ecological Restoration
Society for Range Management
Montana Weed Control Association

SERVICE

Big Sister in Big Brothers Big Sisters Program