

**SUSAN K. SHERROD**

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**OBJECTIVE**

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Professional position drawing on extensive ecology and environmental biology background

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**SUMMARY**

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- Eight years' consulting experience focused on ecosystem restoration, gold mine reclamation, threatened & endangered species surveys and protection, and site management
- Interested in multidisciplinary issues including environmental policy, sustainable development, and conservation
- Exceptional communication skills as demonstrated by numerous publications and positive evaluations as a college instructor
- Education includes Environmental Policy Certification and a Minor in Mathematics

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**PROFESSIONAL ACCOMPLISHMENTS & EXPERIENCE**

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**ECOLOGICAL RESEARCH AND WRITING**

- Researched, wrote, and monitored the management plan for >60 acres and six disparate ecosystems within Westerly Creek Open Space at Stapleton Redevelopment, Denver, CO. The landscape is now self-sustaining.
- Conducted numerous Biological Assessments for threatened & endangered species.
- Co-authored Towards a Bigger Picture: Environmental Protection and the Law in Colorado (primary author Federico Cheever, University of Denver Sturm College of Law).
- First author of five and co-author of three research articles (see 'Publications' below).
- Served as Managing Editor for Structure and Function of an Alpine Ecosystem (W.D. Bowman and T.R. Seastedt, eds.), Oxford University Press, 2001.
- Researched and summarized phytoremediation methods for an Ma'Laga Village and Golf Course Development, Ute Lake, New Mexico.

**RELATED PROJECTS**

- Directed or assisted in native ecosystem restoration and monitoring (prairie, desert, wetland).
- Performed and wrote Biological and Environmental Assessments for threatened & endangered species (both primary and assistant)
- Wrote and monitored Habitat Conservation Plans for Preble's Meadow Jumping Mouse (*Zapus hudsonius preblei*)
- Assisted in the reclamation and monitoring of vegetative establishment at aridland gold mines (to date have worked on three inactive mines in the Mojave Desert)
- Wrote conservation easement deeds (primary author)
- Performed wetland delineations and site characterizations

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**WORK & VOLUNTEER HISTORY**

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2009-present	Associate, Institute for Environmental Solutions, Denver, CO ( <a href="http://www.i4es.org">www.i4es.org</a> )
2001-present	Associate, Bamberg Ecological, Denver, CO
2002-2004	Instructor: Ecosystem Ecology, University of Colorado-Boulder and University of Denver; Advanced Ecology, University of Colorado-Denver
1999-2001	Postdoctoral Associate, Biogeochemistry Laboratory, Department of Biological Sciences, University of Denver

- 1999-2001 Postdoctoral Researcher, U.S. Geological Survey, Moab, UT; Visiting Scientist, University of Denver
- 1997-1998 Coordinator, Niwot Ridge Long-Term Ecological Research funding renewal proposal, 1998-2004, University of Colorado-Boulder
- 1993-1994 Environmental Scientist, Tennessee Valley Authority, Knoxville, TN

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## EDUCATION

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- 1999 Ph.D., Environmental, Population, and Organismic Biology, CU-Boulder  
Dissertation: "A multiscale analysis of the northern pocket gopher (*Thomomys talpoides*) at the alpine site of Niwot Ridge, CO"
- 1997 Environmental Policy Certification, CU-Boulder
- 1992 B.S., Biological Sciences with a Minor in Mathematics, Colorado State University

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## PUBLICATIONS

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- Sherrod, S.K., T.R. Seastedt, M.D. Walker. 2005. The northern pocket gopher (*Thomomys talpoides*) as an organizer of alpine plant community structure, Niwot Ridge, CO. *Arctic, Antarctic, and Alpine Research* 37:585-590.
- Sherrod, S.K., J. Belnap, and M.E. Miller. 2003. Comparison of ion-exchange resin counterions in the nutrient measurement of calcareous soils: implications for correlative studies of plant-soil relationships. *Communications in Soil Science and Plant Analysis* 34:1981-2001.
- Sherrod, S.K., J. Belnap, and M.E. Miller. 2003. Repeated use of ion-exchange resin membranes in calcareous soils. *Communications in Soil Science and Plant Analysis* 34:13-20.
- Sherrod, S.K., J. Belnap, and M.E. Miller. 2002. Comparison of methods of nutrient measurement in calcareous soils: Ion-exchange resin bag, capsule, and membrane and conventional chemical extractions. *Soil Science* 167:1-10.
- Sherrod, S.K. and T.R. Seastedt. 2001. Effects of the northern pocket gopher (*Thomomys talpoides*) on alpine ecosystem processes, Niwot Ridge, CO. *Biogeochemistry* 55:195-218.
- Belnap, J. and S.K. Sherrod. 2009. Soil amendment effects on the exotic annual grass *Bromus tectorum* L. and facilitation of its growth by the native perennial grass *Hilaria jamesii* (Torr.) Benth. *Plant Ecology* 201:709.
- Belnap, J., S.L. Phillips, and S.K. Sherrod. 2005. Soil biota can change after exotic plant invasion: does this affect ecosystem processes? *Ecology* 86:3007.
- Belnap, J., S.K. Sherrod, and M.E. Miller. 2003. Effects of soil amendments on germination and emergence of downy brome (*Bromus tectorum*) and *Hilaria jamesii*. *Weed Science* 51:371-378.

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## PROFESSIONAL SOCIETY MEMBERSHIPS

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- 1995-present Ecological Society of America
- 2007-present Society for Conservation Biology
- 2008-present Colorado Native Plant Society