

Cindy Salo

Cindy at CindySalo dot com

Career Summary

Cindy Salo, Ph.D., is a plant ecologist who writes from rural areas about agriculture and natural resources for general and technical audiences. Her writing for general audiences has appeared in *Big Sky Journal*, *Issues in Science and Technology*, and *Hakai Magazine*; her writing for technical audiences has appeared in *Biological Invasions*, *Rangelands*, and *American Midland Naturalist*. Cindy is currently exploring the role of army cutworms in periodic cheatgrass die-offs. In her years as a researcher, she has investigated plant interactions in the Intermountain West, the Sonoran Desert, Senegal, and Mexico.

- Develops, researches, and writes publications for general and technical audiences.
- Conducts original ecological research.
- Translates research results and scientific terms into clear and compelling prose.
- Edits, formats, and prepares reports and documents for publication.

Professional Experience

CindySalo.com – Salmon, ID

Mar. 2013–Present

Freelance writer

- Provides sound research and clear writing about science, ecology, natural resources, and agriculture for general and technical audiences.
- Work has appeared in *Big Sky Journal*, *Hakai Magazine*, *Issues in Science and Technology*, *Intermountain Farm & Ranch*, and *Edible Idaho*.

ArmyCutworms.org – Salmon, ID

Jun. 2003–Present

Researcher

- Investigates periodic outbreaks of native army cutworm (*Euxoa auxiliaris*) in the intermountain west. Army cutworms consume exotic invasive cheatgrass (*Bromus tectorum*) to create bare “die-offs,” which are opportunities to reseed annual cheatgrass-dominated areas with desirable species.

[Saguaro Juniper Conservation & Community Ranch](http://SaguaroJuniperConservation.org) – Cascabel, AZ

June 1992–Present

Partner & Social Media Wrangler

- Shares the responsibilities and joys of holding and caring for land and cattle on the middle San Pedro River of southeast Arizona; maintains our [Facebook page](https://www.facebook.com/SaguaroJuniperConservation/).

Sage Ecosystem Science Corp. – Boise, ID

Jan. 2007–Dec. 2022

Founder, Researcher, Writer, and President

- Provided sound research and clear writing about science, ecology, natural resources, and agriculture for general and technical audiences.

- Clients included Sound Science LLC, Malheur River Meats, and offices of The Nature Conservancy, the University of Idaho, and the City of Meridian, Idaho.

Sweetwater Center – Cascabel, AZ Jan. 2013–Aug. 2019

Vice Chair and Webster for Nonprofit Organization

- Developed education and research projects that explored connections between conservation and agriculture on the middle San Pedro River of southeast Arizona.
- Created and maintained organization's website.

Division of Research and Economic Development Mar. 2011–Aug. 2012

Boise State University – Boise, ID

Science and Research Writing Intern

- Identified, developed, researched, and wrote stories about research findings at Boise State University for their research office website. Audience was the interested public.
- Took accompanying photos or located and secured permission to use others' photos.

Rangelands Magazine Mar. 2011–July 2012

Society for Range Management – Wheat Ridge, CO

Columnist

- Identified, developed, researched, and wrote column for award-winning professional journal. Wrote about new technologies for monitoring vegetation and soils, land management issues, innovative farms and ranches, and research on sagebrush hybrids. Audience included ranchers, academics, land managers, and researchers.
- Took accompanying photos or located and secured permission to use others' photos.

Sound Science LLC – Boise, ID and New York, NY May 2008–July 2011

Associate Scientist

- Wrote series of white papers on natural resource management issues for the U.S. Army Sustainable Range Program. These trained federal ecologists to manage U.S. Army training lands.
- As team member, developed online libraries and decision support tool to help U.S. Army ecologists monitoring effectively and make sound management decisions.
- Described biological thresholds for sustainable and realistic training conditions on U.S. Army training bases.

USGS Forest & Rangeland Ecosystem Science Center Jan. 2003–Jan. 2007

Snake River Field Station – Boise, ID

Research Ecologist

- Established research program focused on restoration of sagebrush steppe. Initiated, designed, and carried out work in Idaho, Oregon, Nevada, and Wyoming.
- Identified biological thresholds for recovery of native vegetation after wildfire, determined effects of land treatments on habitat for Greater Sage-Grouse, and evaluated treatments to thin dense, single-aged stands of big sagebrush to increase understory.
- Analysed data, prepared reports, and presented results and management implications at agency, and professional meetings.

Institut des Sciences de l'Environnement Université Cheikh Anta Diop – Dakar, Senegal, West Africa Research Ecologist	Mar. 2002–Dec. 2002
• On a Fulbright Student Award, documented the spread of introduced <i>Prosopis juliflora</i> and native <i>Acacia nilotica</i> var. <i>adansonii</i> in the Saloum region of Senegal.	
• Designed the study, located a research site, and carried out field research, in Wolof, the local language.	
School of Renewable Natural Resources University of Arizona – Tucson, AZ Graduate Research Associate	Aug. 1998–Mar. 2002
• Investigated the effects of soil nitrogen level manipulations on interactions among red brome (<i>Bromus madritensis</i> subsp. <i>rubens</i>), a Mediterranean annual grass, and native annual species in the Sonoran Desert.	
• Traced the introduction and spread of red brome in western North America.	
School of Renewable Natural Resources University of Arizona – Tucson, AZ Graduate Teaching Associate	Jan. 1999–Dec. 2000
• Helped teach Rangeland Inventory and Monitoring and for Range and Forest Management course; both were graduate and upper division under graduate courses.	
• Evaluated and coached data interpretation and technical writing skills.	
School of Renewable Natural Resources University of Arizona – Tucson, AZ Graduate Teaching Associate	Jan. 2000–May 2000
• Helped teach Range and Forest Management course, a graduate and upper division under graduate course.	Jan. 1999–May 1999
• Prepared, presented, and coordinated lecture and laboratory session and field trips throughout Arizona.	

Education

MFA in Nonfiction Writing In progress University of the South – Sewanee, TN	
• Low-residency 30-credit program	
• Thesis title: <i>What the Cutworms Says: Why Perennial Grasses Matter</i>	
Graduate Certificate in Technical Communications Boise State University – Boise, ID	
• 48-credit program	
• Courses in writing, editing, and document production	

Ph.D. in Renewable Natural Resources**University of Arizona** – Tucson, AZ

- Emphasis in Plant Ecology
- Dissertation title: [Ecology and biogeography of red brome \(*Bromus madritensis* subsp. *rubens*\) in the Sonoran Desert](#)

M.S. in Soil and Water Science**University of Arizona** – Tucson, AZ

- Emphasis in Soil Microbiology
- Thesis title: [Competition between strains of rhizobia for nodulation of *Leucaena leucocephala*](#)

B.S. in Animal Science**University of Minnesota** – St. Paul, MN

- Awarded with high distinction
- Additional work in Agronomy

Publications**For general audiences**

[Storytelling event at NYM Cultural Center October 2](#). *New York Mills Dispatch*, September 25, 2024.

[We can do something about farmland loss](#). *Hamilton County Reporter*, Guest column, August 16, 2023.

[Preserving my family's farm near Sheridan](#). *Hamilton County Reporter*, Guest column, July 13, 2023.

[More Reasons to Appreciate the Miller Moth](#). *Colorado Times Recorder*, Letter to the editor, July 19, 2023.

[Gals with Griffons](#). *Big Sky Journal*, Fall 2022, pp 122–128.

[Casting from the Shoulders of a Giant](#). *Big Sky Journal*, Fly Fishing 2021, pp 82–89.

[MOOVING IN: University of Idaho research center celebrates headquarters grand opening](#). *Intermountain Farm & Ranch*, July 2, 2021, p 1.

[Western Focus: The birds and the bees](#). *Big Sky Journal*, Home 2021, pp 2–5.

[How Did Wheat Take Over the World? Review of Amber Waves](#). *Issues in Science and Technology*, Winter 2021, 37:91–93.

[The Cutthroat Comeback](#). *Big Sky Journal*, Fly Fishing 2021, pp 82–89.

[The Timeless Lentil](#). *Big Sky Journal*, Fall 2020, pp 94–99.

[Freelancing the High Divide](#). *Big Sky Journal*, Fall 2019, pp 52–57.

[Hunting the Wild Canyon](#). *Edible Idaho*, Winter 2017, pp 17–19.

[Saving Salmon's Salmon](#). *Hakai Magazine*, November 6, 2017.

[Flying Fish](#). *Edible Idaho*, Fall 2017, pp 18–20.

[Master of Steel: Bill Burke hones a centuries-old craft near Idaho City](#). *Edible Idaho*, Summer 2017, pp 26–28.

[Alderspring Ranch: Where new cowhands learn old tricks](#). *Edible Idaho*, Fall 2016, pp 14–19.

[Stars \(and Land Trust\) Align](#). *Edible Idaho*, Summer 2016, pp 18–23.

[The Vineyard is a-LIVE at Bitner](#). *Edible Idaho*, Spring 2016, pp 14–16.

[Land Lines: Three Rangeland Essays](#). *Rangelands*, Dec. 2015, 37(6)233–236.

[Ranchers to monitor grazing allotments](#). Intermountain Farm and Ranch section, *Idaho Falls Post Register*, June 19, 2015, p 3.

[Red Walnuts: A Nutty Pleasure of a Different Color](#). *Edible Idaho*, Winter 2014, pp 22–23.

[Hoppin' Hops](#). *Edible Idaho South*, Fall 2014, pp 32–34.

[Beet growers faced challenges in 2013](#). Intermountain Farm and Ranch section, *Idaho Falls Post Register*, Dec. 20, 2013, p 5.

[Leadore rancher honored for stewardship work](#). Intermountain Farm and Ranch section, *Idaho Falls Post Register*, Oct. 4, 2013, p 4.

[Sunnyside of Cheesemaking](#). *Edible Idaho South*, Fall 2013, pp 30–31.

[Women in ag conference focuses on markets, finance](#). Intermountain Farm and Ranch section, *Idaho Falls Post Register*, March 8, 2013, p 6.

Family and Apples. *Edible Idaho South* online, Jan. 16, 2013.

[The Snake River Plain: I Live in a Smile](#). Orion Magazine online The Place Where You Live, June 13, 2012.

Land Lines: [Old and New Agrarians in Quivira](#). *Rangelands*, June 2012, 34(3)63–66.

Student Research at BSU: [Sagebrush steppe focus of Andrew Austreng's research](#). Boise State University Division of Research and Economic Development website, Mar. 29, 2012.

Land Lines: [On Science, Art, and Ecotone](#). *Rangelands*, Feb. 2012, 34(1)44–45.

Land Lines: [Meat with a Story](#). *Rangelands*, Dec. 2011, 33(6)25–28.

Land Lines: [Big sagebrush: fine variations on a winning theme](#). *Rangelands*, Oct. 2011 33(5)45–48.

Research Spotlight: [Researchers find an unusual type of hybrid origin in a rare plant](#). Boise State University Division of Research and Economic Development website, Sept. 27, 2011.

Land Lines: [Waves of the Future: Radar LiDAR, and GRACE](#). *Rangelands*, Aug. 2011, 33(4)75–77.

Land Lines: [The Cheatgrass that Wasn't There](#). *Rangelands*, June 2011, 33(3)60–62.

Research Spotlight: [Boise State researcher studies link between ants and rare plants](#). Boise State University Division of Research and Economic Development website, Apr. 26, 2011.

Of Beavers, Rivers, and the Moon. *Tiny Lights: A Journal of Personal Narrative Flash in the Pan*, 2010.

Are any trees better than no trees? Mesquite from Central America is spreading in Senegal. In: *Ecology – A Science That Matters*, poster for secondary schools in West Africa, British Ecological Society, 2004.

The grassland threat. *Arizona Daily Star* Sunday guest opinion, May 6, 2001.

Interpretive display

History of Sanitation. Installed at the City of Meridian, Idaho's Wastewater Interpretive Center, 2014.

Fact sheet

[Planned burns in the Great Plains](#). Fact Sheet 2013-29, Great Plains Fire Science Exchange, December, 2013.

Refereed research publications

Salo, C. 2018. [Army cutworm outbreak produced cheatgrass die-offs and defoliated shrubs in southwest Idaho in 2014](#). *Rangelands* 40(4):99-105.

Ganguli, A.C., D.M. Engle, P.M. Mayer, and **L.F. Salo**. 2016. [Influence of resource availability on *Juniperus virginiana* expansion in a forest-prairie ecotone](#). *Ecosphere* 7(8):e01433. 10.1002/ecs2.1433.

Washington-Allen, R.A., D.D. Briske, H.H. Shugart, and **L.F. Salo**. 2010. [Catastrophic thresholds, perspectives, definitions, and applications: An introduction](#). *Ecology and Society* 15(3):38.

Salo, L.F. 2005. [Red brome \(*Bromus rubens* subsp. *madritensis*\) in North America: possible modes for early introductions, subsequent spread](#). *Biological Invasions* 7:165–180.

Salo, L.F., G.R. McPherson, and D.G. Williams. 2005. [Sonoran Desert winter annuals affected by density of red brome and soil nitrogen](#). *The American Midland Naturalist* 153:102–116.

Salo, L.F. 2004. [Population dynamics of red brome \(*Bromus madritensis* subsp. *rubens*\): times for concern, opportunities for management](#). *Journal of Arid Environments* 57:291–296.

Salo, L.F., J.F. Artiola, and J.W. Goodrich-Mahoney. 1999. Revegetation of a saline flue gas desulfurization sludge pond. *Journal of Environmental Quality* 28:218–225.

Barlas, S.A., J.F. Artiola, **L.F. Salo**, and J.W. Goodrich-Mahoney. 1999. Sulfur transformations related to the revegetation of flue gas desulfurization sludge. *Communications in Soil Science and Plant Analysis* 30:1403–1416.

Major research reports

Salo, Cindy. 2009. [Relationship between livestock trampling and slickspot peppergrass \(*Lepidium papilliferum*\) abundance](#). Submitted to US Fish and Wildlife Service as part of comments on listing of slickspot peppergrass under the Endangered Species Act.

Other research publications

Salo, Cindy. 2010. [Owyhee Initiative Science Panel Minority Report](#). Report of the First Owyhee Initiative Science Panel to the University of Idaho.

Rimbey, N., T. Hoffman, **Cindy Salo**. 2009. [Legal Issues Facing the Bureau of Land Management's Boise District: Exploring the Issues and Searching for Solutions](#). Report to the BLM Boise District's Resource Advisory Committee. July, 2009.

Washington-Allen, R.A. and **L.F. Salo**. 2007. Symposium Review: Icons and Upstarts and the Detection of Thresholds: Definitions, Perspectives, and Methods. *Ecological Society of America Bulletin* April, pp. 219–225.

Salo, Cindy. and D.A. Pyke. 2003. Thresholds of cheatgrass dominance. pp. 27–28 In: 2003 Intermountain Restoration Coordination Meeting, Boise State University, Boise Idaho, March 31 & April 1, 2003. Unpublished Report, US Geological Survey.

Presentations

Salo, Cindy. 2023. [Of Cheatgrass, Cutworms, and Bears](#). University of Arizona Herbarium, Feb. 9, Tucson, AZ, and Feb. 19, Cascabel Community Center, Cascabel, AZ.

Salo, Cindy. 2020. Biology of Red Brome Grass. University of Arizona Gila County's Garden & Country Webinar Series, June 4.

Salo, Cindy. 2020. [Understanding army cutworms can help restore cheatgrass-invaded areas in the U.S. Intermountain West](#). Natural Areas Association Virtual Conference, Oct. 13-16, Reno, NV.

Salo, Cindy. 2019. [Can we predict cheatgrass die-offs?](#) Nevada Weed Management Association's Biennial Conference, October 17–18, Reno, NV.

Salo, Cindy. 2017. [Army cutworms \(*Euxoa auxiliaris*\) consume winter annual plants and shrub foliage](#). Society for Range Management Annual Meeting, Jan. 29–Feb. 2, St. George, UT.

Johnson, B. and **Salo, Cindy.** 2009. How RTLA facilitates the preparation of RECs and the NEPA process. US Army Sustainable Range Program Workshop, July 6–10, Indianapolis, IN.

Salo, Cindy and B. Unnasch. 2009. *Lepidium papilliferum*: CCA + CDC = HIP... what can we learn from the data? Vth annual Intermountain Native Plant Summit, Mar. 23–25, Boise, ID.

Salo, Cindy. 2009. Management implications of invasive species in shrub steppe. Conservation Biology class guest lecture, Boise State University, Mar. 5, Boise, ID.

Salo, Cindy. 2007. Forces of Nature: What causes range ecosystems to change or remain the same? Science on the Range Training for Teachers, Apr. 20–21, Challis, ID.

Salo, Cindy. 2007. Are any trees better than no trees? Environmental issues in Senegal, West Africa. Environmental Science class, Emmett High School, Mar. 2, Emmett, ID.

Salo, Cindy. 2007. Invasive species in shrub steppe. Conservation Biology class guest lecture, Boise State University, Mar. 1, Boise, ID.

Salo, L.F. and M.E. Rhodes. 2007. Sweet success? Sucrose application for wildfire rehab. Society for Range Management Annual Meeting, Feb. 9–16, Reno, NV.

Salo, Cindy. 2007. Nurturing the Mother Continent: Old grasses, new trees. International Connections bag lunch, University Libraries, Boise State University, Jan. 18, Boise, ID.

Salo, Cindy. 2007. Anchoring the Sagebrush Sea: Readin', writin', and ranchers. Idaho Section Society for Range Management Annual Meeting and Symposium, Jan. 16–17, Boise, ID.

Washington-Allen, R.A. and **L.F. Salo**, organizers. 2006. Symposium: Icons and Upstarts and the Detection of Thresholds: Definitions, Perspectives, and Methods. *Ecological Society of America Annual Meeting* Aug. 6–11, Memphis, TN.

Salo, L.F. and S.E. Hanser. 2006. Introduction and spread of red brome in North America: the past, present...future. Ecology and Management of Red Brome Symposium, May 16–17, Mesa, AZ.

Salo, Cindy. 2006. Reaping local rangeland knowledge. University of Idaho field tour, April 22, Emmett, ID.

Salo, Cindy. 2006. Anchoring the Sagebrush Sea: to seed or not to seed? Intermountain Native Plant Summit, Mar. 27–29, Boise, ID.

Salo, Cindy, M.E. Rhodes, and D.A. Pyke 2006. Anchoring the sagebrush sea: to seed or not to seed? Northwest Scientific Association Annual Meeting, Mar. 6–8, Boise, ID.

Salo, L.F., S.E. Hanser, R.S. Unnasch, and D.A. Pyke. 2006. Extreme makeover, habitat edition: Fuels management treatments and Greater Sage-Grouse (poster). Society for Range Management Annual Meeting, Feb. 12–17, Vancouver, B.C., Canada.

Salo, Cindy. 2005. Rethinking Rangeland Sustainability: Rangeland states and transitions. On the Cutting Edge, a Symposium and Workshop of New Ideas and Tools for Rangeland Stewardship, Nov. 7–9, Boise, ID.

Salo, L.F., M.E. Rhodes, and D.A. Pyke. 2005. Chaos on the Sagebrush Sea: catastrophe theory and rangeland vegetation change. Ecological Society of America Annual Meeting, Aug. 7–12, Montreal, Quebec, Canada.

Salo, Cindy. and D. Pyke. 2005. Restoration of damaged lands in the Intermountain West. US Geological Survey / Fish and Wildlife Service Coordination Meeting, May 18–19, Boise, ID.

Salo, Cindy. 2005. Anchoring the Sagebrush Sea: chaos at sea? Annual Idaho Rare Plant Conference, Feb. 15–16, Boise, ID.

Salo, L.F., R.S. Unnasch, and D.A. Pyke. 2005. Anchoring the Sagebrush Sea: thresholds for recovery of Wyoming big sagebrush communities. Society for Range Management Annual Meeting, Feb. 5–11, Ft. Worth, TX.

Salo, Cindy. 2005. Nurturing the Mother Continent: natural resources in Senegal. Research Across Disciplines seminar, Dept. of Renewable Resources, University of Wyoming, Feb. 4, Laramie, WY.

Salo, Cindy and D.A. Pyke. 2004. Thresholds of cheatgrass dominance: research update. Coordinated Intermountain Restoration/Integrated Restoration Strategies Research Update Meeting, Dec. 1–2, Reno, NV.

Salo, L.F., D.A. Pyke, and M. Pellatt. 2004. Anchoring the Sagebrush Sea: thresholds for recovery of Wyoming big sagebrush communities (poster). Ecological Society of America Annual Meeting, Aug. 1–6, Portland, OR.

Salo, Cindy. 2004. Thresholds of Cheatgrass Dominance. Department of Interior Science Seminar, USGS Water Resources, April 17, Boise, ID.

Salo, L.F. and M. Zielinski. 2004. [Cheatgrass dieoffs: of drought, cutworms, and bears?](#) (poster). Society for Range Management Annual Meeting, Jan. 24–30, Salt Lake City, UT.

Salo, L.F., G.R. McPherson, and D.G. Williams. 2004. Red brome and Sonoran Desert winter annuals affected by soil nitrogen level (poster). Intermountain Native Plant Summit, Jan. 28, Salt Lake City, UT.

Tartowski, S., **L. Salo**, and J. Herrick. 2003. Manipulation of resource heterogeneity in restoration of arid grasslands and shrublands. Society for Ecological Restoration Annual International Conference, November 19–22, Austin, Texas.

Salo, L.F. 2003. Introduced (*Prosopis juliflora* and *Azadirachta indica*) and native (*Acacia nilotica* subsp. *adansonii*) trees spreading in Senegal, West Africa (poster). Ecological Society of America Annual Meeting, Aug. 3–9, Savanna, GA.

Salo, L.F., G.R. McPherson, and D.G. Williams. 2002. Sonoran Desert winter annuals affected by density of red brome (*Bromus rubens*) and soil nitrogen (poster). Ecological Society of America Annual Meeting, Aug. 4–9, Tucson, AZ.

Salo, L.F., G.R. McPherson, and D.G. Williams. 2000. Biogeography of red brome (*Bromus rubens*) in the Sonoran Desert (poster). Ecological Society of America Annual Meeting, Aug. 6–10, Snowbird, UT.

Salo, L.F., G.R. McPherson, and D.G. Williams. 1999. Biogeography of red brome (*Bromus rubens*) in the Sonoran Desert (poster). Natural Areas National Conference, Oct. 13–16, Tucson, AZ.

Salo, L.F. and J.F. Artiola. 1996. Revegetation of a saline flue gas desulfurization sludge pond (poster). American Society of Agronomy National Meetings, Oct. 30–Nov. 8, Indianapolis, IN.

Salo, L.F. and J.F. Artiola. 1994. Evaluation of plants and amendments for revegetation of saline flue gas desulfurisation sludge (poster). American Society of Agronomy National Meetings, Nov. 13–18, Seattle, WA.

Grants, Awards, Fellowships, Residencies

Writer in Residence, New York Mills, MN Cultural Center, 2024 and 2020.

US Geological Survey STAR award for field crew safety, Forest and Rangeland Ecosystem Science Center, Corvallis, OR, 2006.

Science Support Partnership Grant, US Geological Survey / US Fish and Wildlife Service. Thresholds of recovery: cheatgrass dominance in Wyoming big sage-brush communities after fire and fire surrogate treatments. With Rachelle Huddleston-Lorton, Hart Mountain National Antelope Refuge, Plush, OR, 2005–2007.

First place winner, Digital Division, 30th Annual US Geological Survey National Photographic Competition, 2005.

Percy Sladen Memorial Fund Field Research Grant, Linnean Society of London, England. Spread of *Prosopis juliflora* in the Saloum Region of Senegal, 2002.

Fulbright Student Award to Senegal, West Africa, Fulbright U.S. Student Program, US State Department. Spread of *Prosopis juliflora* in the Saloum Region of Senegal, 2001–2002.

Springfield Travel Scholarship, School of Renewable Natural Resources, University of Arizona. Biogeography of red brome (*Bromus rubens* L.) in the Sonoran Desert, 2000.

Final Project Fund Award, Graduate College, University of Arizona. Ecology and Biogeography of red brome (*Bromus rubens* L.) in the Sonoran Desert, 1999–2000.

Student Travel Grant, Institute for the Study of Planet Earth, University of Arizona.
Biogeography of red brome (*Bromus rubens* L.) in the Sonoran Desert, 1999.

Small Projects Grant, Small Grants Program, Office of the Vice President for Research, University of Arizona. Phytoremediation Potential of *Astragalus amphioxys*, a Boron Accumulator, 1997–1998.

Graduate Registration Scholarship, Arid Land Resource Sciences, University of Arizona, 1997–1998.

Tinker Field Research Grant, Tinker Foundation, Inc. Collection of rhizobia bacteria nodulating *Leucaena leucocephala* in Vera Cruz and Yucatan, Mexico, 1983.

Professional Service

Juror, Artist in Residency Program, New York Mills, MN Cultural Center, 2024–2025.

Judge, Ag Week Essays, Lemhi County, ID office, University of Idaho Agricultural Extension, 2023–2025.

Judge, Society for Environmental Journalists Annual Awards, 2023–2024.

Founder, Word Spinners nonfiction writing group, Boise, ID, 2007–2014.

Finance Co-chair of 2012 Annual Meeting, Society for Range Management, 2010–2012.

Student presentation judge, Society for Range Management Annual Meeting, Jan. 30–Feb. 3, Spokane, WA, 2012.

Treasurer, Idaho Section, Society for Range Management, 2007–2011.

Student presentation judge, Society for Range Management Annual Meeting, Feb. 7–11, Billings, MT, 2011.

Founder and Organizer, Boise Nonfiction Writers lecture series, Boise, ID, 2007–2010.

Panel member, US Dept. of Defense and US EPA Strategic Environmental Research and Development Program (SERDP), 2009.

Student presentation judge, Society for Range Management Annual Meeting, Feb. 9–12, Albuquerque, NM, 2009.

Student presentation judge, Society for Range Management Annual Meeting, Feb. 12–15, Reno, NV, 2007.

Student presentation judge, Ecological Society of America Annual Meeting, Aug. 6–11, Memphis, TN, 2006.

Panel member, US Dept. of Agriculture Cooperative State Research, Education and Extension Service (CSREES), National Research Initiative (NRI) Competitive Grants Program, Washington, DC, 2006.

Student presentation judge, Society for Range Management Annual Meeting, Feb. 12–17, Vancouver, B.C., Canada, 2006.

Mentor, Strategies for Ecology Education, Development, and Sustainability (SEEDS), Ecological Society of America Annual Meeting, Aug. 7–12, Montreal, Quebec, Canada, 2005.

Reviewer, Greater Sage-Grouse Conservation Assessment and Strategy for Oregon, prepared by the Oregon Department of Fish and Wildlife, 2005.

Student presentation judge, Society for Range Management Annual Meeting, Feb. 5–11, Ft. Worth, TX, 2005.

Reviewer, Red Brome (*Bromus rubens*) profile for Global Invasive Species Database (GISD), produced by the Invasive Species Specialist Group of the IUCN, 2004.

Student presentation judge, Ecological Society of America Annual Meeting, Aug. 3–9, Savanna, GA, 2003.

Chair, AgroEcosystems session, Ecological Society of America Annual Meeting, Aug. 3–9, Savanna, GA, 2003.

Additional Training Courses

Writing the Feature Story, UC Berkeley Extension, Sept. 15–Dec. 8, 2015.

Santa Fe Science Writing Workshop, Santa Fe, NM, May 31–June 4, 2001.

NEPA Cumulative Impacts: Analysis and Documentation, Salmon, ID, Oct. 20–21, 2009.

Applying the NEPA Process and Writing Effective NEPA Documents, Las Vegas, NV, Aug. 11–4, 2009.

Focus on the Nonfiction Magazine Article, Writers Digest, April 17–July 23, 2008.

Resolving Land Use Disputes, Lincoln Institute of Land Policy, Salmon, ID, Oct. 2–3, 2007.

Using the Vegetation Dynamics Development Tool (VDDT) to Simulate Vegetation Change on the Landscape, Vancouver, B.C., Canada, Feb. 16, 2006, 2006.

Structural Equation Modeling, Portland, OR, Aug. 1, 2004.

Eco-Informatics Training for Ecologists, Long Term Ecological Research Network Office, University of New Mexico, Sevilleta, NM, Jan. 4–9, 2004.

Interpreting and Measuring Indicators of Rangeland Health, BLM Interagency Training Course, Boise, ID, June 24–27, 2003.

Intermediate Wildland Fire Behavior, Tucson, AZ, 2000.

Basic Wildland Firefighting, Tucson, AZ, 2000.

Academic Peer Review Service

American Journal of Botany

Environmental Management

Invasive Plant Science and Management

Journal of Applied Ecology

Journal of Arid Environments

Journal of Environmental Quality

Plant Ecology

Rangeland Ecology and Management

Restoration Ecology

Weed Technology