

MARK W. BRUNSON

Department of Environment & Society, Utah State University
5215 Old Main Hill, Logan, UT 84322-5215
(435) 797-2458 fax (435) 797-4048
Mark.Brunson@usu.edu

Current Position (August 2014-)

Professor: Dept. of Environment and Society, Utah State University
Professional affiliations: Ecology Center, Utah State University; Utah Agricultural Experiment Station; iUTAH EPSCoR; USU Institute for Outdoor Recreation and Tourism

Previous Academic Experience

2009-2014 Department Head, Environment & Society, Utah State University
2005-2009 Professor, Environment & Society Department, Utah State University
2004-2006 Director of Undergraduate Education, College of Natural Resources, Utah State University
2002-2005 Associate Professor, Environment & Society Department, Utah State University
1997-2002 Associate Professor, Forest Resources Department, Utah State University
1992-1997 Assistant Professor, Forest Resources Department, Utah State University
1991-1992 Assistant Professor – Senior Research, Forest Resources, Oregon State University

Education

PhD, Forestry, Oregon State University, 1991 (Dissertation: “Effects of Traditional and ‘New Forestry’ Silvicultural Practices on Recreational and Scenic Quality of Managed Forests”)
MS, Recreation Resource Management, Oregon State University, 1989 (Thesis: “A Model of Campsite Choice in Dispersed Recreation Settings”)
Post-baccalaureate study, Biology, University of Texas at San Antonio, 1979-81
BA (Honors), History, State University of New York at Binghamton, 1974

Refereed journal articles (*indicates graduate/undergraduate advisee co-author)

Briske, D.D., B.T. Bestelmeyer, J.R. Brown, M.W. Brunson, T.L. Thurow, and J.A. Tanaka. In press. Assessment of USDA-NRCS rangeland conservation platforms: Recommendation for an evidence-based conservation platform. *Ecological Applications*.

Wolters, E., B.S. Steel, D. Weston, and M.W. Brunson. In press. Determinants of resident Firewise behaviors in Central Oregon. *The Social Science Journal*.

Brunson, M.W., and M.A. Baker. 2016. Translational training for tomorrow’s environmental scientists. *Journal of Environmental Studies and Sciences* 6:295-299.

Brunson, M.W., L. Huntsinger, U. Kreuter, and J. Ritten. 2016. Usable socio-economic science for rangelands. *Rangelands* 38(2):85-89.

Guttery, M., T. Messmer, M. Brunson, J. Robinson and D. Dahlgren. 2016. Declining populations of Greater Sage-grouse: hunter motivations when numbers are low. *Animal Conservation* 19:26-34.

Wilmer, H., *E. York, W.K. Kelley and M.W. Brunson. 2016. “In every rancher’s mind”: Effects of drought on ranch planning and practice. *Rangelands* 38:216-221.

Beever, E.A., B. Mattson, M.J. Germino, M.P. van der Burg, J.B. Bradford and M.W. Brunson. 2014. Successes and challenges from formation to implementation of eleven broad-extent conservation programs. *Conservation Biology* 28:302-314. doi: 10.1111/cobi.12233.

- Brunson, M.W. 2014. Unwanted no more: land use, ecosystem services, and opportunities for resilience in human-influenced shrublands. *Rangelands* 36(2):5-11.
- Gordon, R., M.W. Brunson and B. Shindler. 2014. Acceptance, acceptability and trust for sagebrush restoration options in the Great Basin: a longitudinal perspective. *Rangeland Ecology & Management* 67:573-583. doi: 10.2111/REM-D-13-00016.1
- *Kalnicky, E.A., M.W. Brunson and K.H. Beard. 2014. A social-ecological systems approach to non-native species: Habituation and its effect on management. *Biological Conservation* 180:187-195.
- McIver, J., and M. Brunson. 2014. Multidisciplinary, multisite evaluation of alternative sagebrush steppe restoration treatments: the SageSTEP project. *Rangeland Ecology & Management* 67:435-439. doi: 10.2111/REM-D-14-00085.1.
- McIver, J., M. Brunson, S. Bunting, J. Chambers, P. Doescher, J. Grace, A. Hulet, D. Johnson, S. Knick, R. Miller, M. Pellant, F. Pierson, D. Pyke, B. Rau, K. Rollins, B. Roundy, E. Schupp, R. Tausch, and J. Williams. 2014. A synopsis of short-term response to alternative restoration treatments in the Sagebrush-Steppe: The SageSTEP project. *Rangeland Ecology & Management* 67:584-598. doi: 10.2111/REM-D-14-00084.1
- *Kalnicky, E.A., K.H. Beard and M.W. Brunson. 2013. Community level response to habitat structure manipulations: An experimental case study in a tropical ecosystem. *Forest Ecology & Management* 307:313-321. doi: [10.1016/foreco.2013.07.015](https://doi.org/10.1016/foreco.2013.07.015).
- *Nay, C.G., and M.W. Brunson. 2013. A war of words: Do conflict metaphors affect beliefs about managing "unwanted" plants? *Societies* 3(2):158-169; doi:[10.3390/soc3020158](https://doi.org/10.3390/soc3020158).
- Brunson, M.W. 2012. The elusive promise of socio-ecological approaches to rangeland management. *Rangeland Ecology & Management* 65:632-637.
- Brunson, M.W., and J.A. Tanaka. 2011. Economic and social impacts of wildfires and invasive plants in American deserts: Lessons from the Great Basin. *Rangeland Ecology & Management* 64:463-470.
- Shindler, B., R. Gordon, M.W. Brunson and C. Olsen. 2011. Public perceptions of sagebrush ecosystem management in the Great Basin. *Rangeland Ecology & Management* 64:335-343.
- Brunson, M.W., and E.A. Burritt. 2009. Behavioral factors in rotational grazing systems. *Rangelands* 31(5):20-25.
- Brunson, M.W., and *E.A. Price. 2009. Information use and delivery preferences among small-acreage owners in areas of rapid exurban population growth. *Journal of Extension* 47(5). Article 5FEA4. [Available online at <http://www.joe.org/joe/2009october/a4.php>].
- Brunson, M.W., and L. Huntsinger. 2008. Ranching as a conservation strategy: Can old ranchers save the New West? *Rangeland Ecology and Management* 61:137-147.
- *Tidwell, L.S., and M.W. Brunson. 2008. Volunteering to manage rangeland weeds: Results of a citizen survey in the southwestern U.S. *Rangelands* 30(4): 19-24.
- *Conley, J.L., M.E. Fernandez-Gimenez, G.B. Ruyle and M.W. Brunson. 2007. Forest Service grazing permittee perceptions of the Endangered Species Act in southeastern Arizona. *Rangeland Ecology and Management* 60:136-145.
- *Elmore, R.D., T.A. Messmer and M.W. Brunson. 2007. Perceptions of wildlife damage and species conservation: lessons learned from the Utah prairie dog. *Human-Wildlife Conflict* 1(1):78-88.

- *Kennedy, C.A., and M.W. Brunson. 2007. Creating a culture of innovation in ranching: A study of outreach and cooperation in west-central Colorado. *Rangelands* 29(3):35-40.
- Peters, D.C., O.E. Sala, C.D. Allen, A. Covich and M. Brunson. 2007. Cascading events in linked ecological and socio-economic systems. *Frontiers in Ecology and the Environment* 4:221-225.
- Resnik, J., G. Wallace, M. Brunson and J. Mitchell. 2006. Open spaces, working places. *Rangelands* 28(5):4-9
- *Salmon, O., M.W. Brunson and M. Kuhns. 2006. Benefit-based audience segmentation: A tool for identifying non-industrial private forest (NIPF) owner education needs. *Journal of Forestry* 104(8):419-425.
- *Toman, E., B. Shindler and M. Brunson. 2006. Fire and fuel management communication strategies: Citizen evaluations of agency outreach programs. *Society and Natural Resources* 19:321-336.
- Brunson, M.W., and *J. Evans. 2005. Badly burned? Effects of an escaped prescribed burn on social acceptability of wildland fuels treatments. *Journal of Forestry* 103 (April/May): 134-138.
- Shelby, B., J. Thompson, M.W. Brunson and R.L. Johnson. 2005. Changes in recreation quality after harvest: A decade of ratings for six silviculture treatments. *Journal of Environmental Management* 75(3): 239-246.
- Brunson, M.W., and B.A. Shindler. 2004. Geographic variation in social acceptability of wildland fuels management in the western U.S. *Society and Natural Resources* 17:661-678.
- *Didier, E.A., and M.W. Brunson. 2004. Adoption of range management innovations by Utah ranchers. *Journal of Range Management* 57:330-336.
- *Bartel, R., and M.W. Brunson. 2003. Effects of a coyote bounty program on hunters' and trappers' behavior. *Wildlife Society Bulletin* 31(3):736-743.
- Brunson, M.W., and *L. Gilbert. 2003. Recreationist responses to livestock grazing in a new national monument. *Journal of Range Management* 56:570-576.
- Shelby, B., J. Thompson, M. Brunson & R. Johnson. 2003. Scenic quality after harvest: A decade of ratings for six silviculture treatments. *Journal of Forestry* 101(2):30-36.
- Brown, J.R., T.Svejcar, M. Brunson, J. Dobrowolski, E. Fredrickson, U. Kreuter, K. Launchbaugh, J. Southworth, and T. Thurow. 2002. Range sites: are they the appropriate spatial unit for measuring and managing rangelands? *Rangelands* 24(6):7-12.
- Messmer, T.A., M.W. Brunson, *D.K. Reiter and D.G. Hewitt. 1999. U.S. public attitudes regarding predators and their management to enhance avian recruitment. *Wildlife Society Bulletin* 27(1):75-85.
- *Reiter, D.K., M.W. Brunson, and R.H. Schmidt. 1999. Public attitudes toward wildlife damage management and policy. *Wildlife Society Bulletin* 27:746-758.
- Endter-Wada, J., D. Blahna, R. Krannich and M. Brunson. 1998. A framework for understanding social science contributions to ecosystem management. *Ecological Applications* 8(3):891-904.
- Kuhns, M.R., M.W. Brunson and S.D. Roberts. 1998. Landowners' educational needs and how foresters can respond to them. *Journal of Forestry* 96(8):38-43.
- Brunson, M.W. 1996. Integrating "human habitat" requirements into ecosystem management strategies: a case study. *Natural Areas Journal* 16(2):100-107.

- Brunson, M.W., and *D.K. Reiter. 1996. Effects of ecological information on judgments about scenic impacts of timber harvest. *Journal of Environmental Management* 46:31-41.
- Brunson, M.W., and B.S. Steel. 1996. Sources of variation in attitudes and beliefs about federal rangeland management. *Journal of Range Management* 49:69-75.
- Brunson, M.W., D.T. Yarrow, S.D. Roberts, D.C. Guynn Jr., and M.R. Kuhns. 1996. Nonindustrial private forest owners and ecosystem management: Can they work together? *Journal of Forestry* 94(6):14-21.
- Rasmussen, G.A., and M.W. Brunson. 1996. Strategies to manage conflicts among multiple users. *Weed Technology* 10:447-450.
- Brunson, M.W. 1995. The changing role of wilderness in ecosystem management. *International Journal of Wilderness* 1(1):9-13.
- Brunson, M.W., and B.S. Steel. 1994. National public attitudes toward federal rangeland management. *Rangelands* 16(2):77-81.
- Johnson, R.L., M. Brunson and *T. Kimura. 1994. Using image capture technology to assess scenic value at the urban/forest interface: A case study. *Journal of Environmental Management* 40:183-195.
- Brunson, M. 1993. "Socially acceptable" forestry: what does it imply for ecosystem management? *Western Journal of Applied Forestry* 8(4):116-119.
- Brunson, M.W., and B. Shelby. 1993. Recreation substitutability: A research agenda. *Leisure Sciences* 15(1):67-74.
- Brunson, M.W. 1992. Professional bias, public perspectives, and communications pitfalls for natural resource managers. *Rangelands* 14(5): 292-295.
- Brunson, M.W., and B. Shelby. 1992. Assessing recreational and scenic quality: How does "New Forestry" rate? *Journal of Forestry* 90(7): 37-41.
- Brunson, M.W., and B. Shelby. 1991. Activity-related differences in campsite preference: Potential causes and implications for management. *Western Journal of Applied Forestry* 6(3): 78-81.
- Brunson, M.W., and B. Shelby. 1990. A hierarchy of campsite attributes in dispersed recreation settings. *Leisure Sciences* 12: 197-209.

Peer-reviewed book chapters or technical reports (*graduate/undergraduate advisee co-author)

- Brunson, M.W., and H. Kartchner. 2016. Human dimensions of invasive grasses. Pp. 409-428 in C. Brown, M. Germino, and J. Chambers, eds. *Exotic annual Bromus grasses in semiarid ecosystems of the Western U.S.: assessing causes, consequences, and management alternatives*. New York: Springer.
- Saengawut, V.C., M.W. Brunson and P. Howe. 2016. Localized risk perception of wildland fire hazard. Pp. 13-31 in *Managing Fire, Understanding Ourselves: Human Dimensions in Safety and Wildland Fire*. Proceedings for the 13th International Wildland Fire Safety Summit & 4th Human Dimensions of Wildland Fire conference, Boise, ID, April 20-24, 2015.
- Pyke, D.A., J.C. Chambers, M. Pellant, S.T. Knick, R.F. Miller, J.L. Beck, P.S. Doescher, E.W. Schupp, B.A. Roundy, M.W. Brunson, and J.D. McIver. 2015. *Restoration Handbook for Sagebrush Steppe Ecosystems with Emphasis on Greater Sage-Grouse Habitat – Part 1. Concepts for Understanding and Applying Restoration*. U.S. Geological Survey Circular 1416. 44 p. <http://dx.doi.org/10.3133/cir1416>.

- Pyke, D.A., S.T. Knick, J.C. Chambers, M. Pellant, R.F. Miller, J.L. Beck, P.S. Doescher, E.W. Schupp, B.A. Roundy, M.W. Brunson, and J.D. McIver. 2015. *Restoration Handbook for Sagebrush Steppe Ecosystems with Emphasis on Greater Sage-Grouse Habitat – Part 2. Landscape Level Restoration Decisions*. U.S. Geological Survey Circular 1418. 21 p.
<http://dx.doi.org/10.3133/cir1418>.
- Tanaka, J.A., M. Brunson and L.A. Torell. 2011. A social and economic assessment of rangeland conservation practices. Pp. 371-422 in D.D. Briske, ed. *Conservation Benefits of Rangeland Practices: Assessment, Recommendations, and Knowledge Gaps*. Lawrence, KS: Allen Press.
- McCullum, D.W., L.E. Swanson, J.A. Tanaka, M.W. Brunson, A.J. Harp, L.A. Torell, and H.T. Heintz Jr. 2010. Criterion IV: Social and economic indicators of rangeland sustainability. Pp. 173-221 in Mitchell, John E. (ed.). 2010. *Criteria and Indicators of Sustainable Rangeland Management*. Laramie, WY: University of Wyoming Extension Publication No. SM-56. 227 p.
[Online at http://www.rangelands.org/pdf/srm_monograph_final.pdf]
- McIver, J.D., M. Brunson, S. Bunting, J. Chambers, N. Devoe, P. Doescher, J. Grace, D. Johnson, S. Knick, R. Miller, M. Pellant, F. Pierson, D. Pyke, K. Rollins, B. Roundy, E. Schupp, R. Tausch, and D. Turner. 2010. *The Sagebrush Steppe Treatment Evaluation Project (SageSTEP): A Test of State-and Transition Theory*. USDA Forest Service General Technical Report RMRS-GTR-237, Fort Collins, CO: Rocky Mountain Research Station. 16 p.
- Havstad, K., D. Peters, B. Allen-Diaz, J. Bartolome, B. Bestelmeyer, D. Briske, J. Brown, M. Brunson, J. Herrick, L. Huntsinger, P. Johnson, L. Joyce, R. Pieper, T. Svejcar and J. Yao. 2009. The western United States rangelands: A major resource. Pp. 75-94 in W.F. Wedin and S.L. Fales, eds. *Grassland: quietness and strength for a new American agriculture*. Madison, WI: American Society of Agronomy.
- *Wilmot, S., and M. Brunson. 2008. Public perceptions of land management in the Great Basin. Pp. 14-19 in Chambers, Jeanne C.; Devoe, Nora; Evenden, Angela, eds. 2008. *Collaborative management and research in the Great Basin — examining the issues and developing a framework for action*. Gen. Tech. Rep. RMRS-GTR-204. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 66 p.
- Shindler, B.A., and M.W. Brunson. 2004. Social acceptability in forest and range management. Pp. 147-157 in M.J. Manfreda, J. Vaske, B.L. Bruyere, D.R. Field, and P.J. Brown, eds. *Society and Natural Resources: A Summary of Knowledge*. Columbia, MO: Modern Litho.
- Bunnell, S.D., M.L. Wolfe, M.W. Brunson and D.R. Potter. 2002. Recreational use of elk. Ch. 17 (pp. 501-547) in D.E. Toweill and J.W. Thomas, eds., *North American Elk: Ecology and Management*. Washington, DC: Smithsonian Institution Press.
- Shindler, B., M.W. Brunson and G.H. Stankey. 2002. *Social Acceptability of Forest Conditions and Management Practices: a Problem Analysis*. USDA Forest Service, Pacific Northwest Research Station, Portland, Ore., Gen. Tech. Report PNW-GTR-537. 68 p.
- Brunson, M.W. 2000. Managing naturalness as a continuum: the limits of acceptable change approach. Pp. 229-244 in Gobster, P., and Hull, R.B. III, eds. *Restoring Nature*. Washington, DC: Island Press.
- *Hoss, A.F., and M.W. Brunson. 2000. Meanings and implications of acceptability judgments for wilderness use impacts. Pp. 128-133 in Cole, D.N., and S.F. McCool, eds. *Wilderness Science in a Time of Change Conference — Volume 4: Wilderness Visitors, Experiences, and Visitor Management*. Proceedings RMRS-P-15. Ogden, UT: USDA Forest Service, Rocky Mountain Research Station.

- Landres, P.B., M.W. Brunson, L. Merigliano, C. Sydoriak and S. Morton. 2000. Naturalness and wildness: the dilemma and irony of managing wilderness. Pp. 377-381 in Cole, D.N., and S.F. McCool, eds. *Wilderness Science in a Time of Change Conference — Volume 5: Wilderness Ecosystems, Threats, and Management*. Proceedings RMRS-P-15. Ogden, UT: USDA Forest Service, Rocky Mountain Research Station.
- Shindler, B., and M.W. Brunson. 1999. Changing natural resource paradigms in the United States: Finding political reality in academic theory. Pp. 459-473 in D. Soden and B. Steel, eds., *Handbook of Global Environmental Policy and Administration*. New York: Marcel Dekker Inc.
- Brunson, M.W. 1998. Beyond wilderness: broadening the applicability of Limits of Acceptable Change. Pp. 44-48 in *Proceedings — Limits of Acceptable Change and related planning processes: progress and future directions*. USDA Forest Service Gen. Tech. Report INT-371. Ogden, Utah: Intermountain Research Station.
- Brunson, M.W., B.S. Steel, B. Shindler and P. List. 1997. Consensus and dissension among rural and urban publics concerning federal forest management in the Northwest. Pp. 83-94 in B.S. Steel, ed., *Public Lands Management in the West: Citizens, Interest Groups and Values*. Westport, Conn.: Greenwood Press.
- Brunson, M.W. 1996. A definition of "social acceptability" in ecosystem management. Pp. 7-16 in M. Brunson, L. Kruger, C. Tyler, and *S. Schroeder, tech. eds, *Defining social acceptability in ecosystem management: a workshop proceedings*. USDA Forest Service Gen. Tech. Report PNW-369, Pacific Northwest Research Station, Portland.
- Brunson, M.W. 1996. The social context of ecosystem management: unanswered questions and unresolved issues. Pp. 113-126 in M. Brunson, L. Kruger, C. Tyler, and S. Schroeder, tech. eds, *Defining social acceptability in ecosystem management: a workshop proceedings*. USDA Forest Service Gen. Tech. Report PNW-369, Pacific Northwest Research Station, Portland.
- Brunson, M.W., and L.E. Kruger. 1996. Introduction: Social acceptability in ecosystem management. Pp. 1-5 in M. Brunson, L. Kruger, C. Tyler, and S. Schroeder, tech. eds, *Defining social acceptability in ecosystem management: a workshop proceedings*. USDA Forest Service Gen. Tech. Report PNW-369, Pacific Northwest Research Station, Portland, Ore.
- Brunson, M., B. Shelby, and J. Goodwin. 1993. Written standards vs. user norms in the design of wilderness permit systems. *Defining Wilderness Quality: The Role of Standards in Wilderness Management -- A Workshop Proceedings*. USFS Gen. Tech. Rep. PNW-305. Pacific Northwest Research Station: Portland, Ore.
- Brunson, M., and D. Rodriguez. 1993. Standards for managing non-wilderness recreation areas. *Defining Wilderness Quality: The Role of Standards in Wilderness Management - A Workshop Proceedings*. USDA Forest Service Gen. Tech. Rep. PNW-305. Portland, Ore.: Pacific Northwest Research Station, pp. 61-66.

Invited articles and book chapters

- Brunson, M. 2008. Gauging the acceptability of fuels management: A matter of trust. *Rural Connections* 2(3):2-4. Logan, UT: Western Rural Development Center. Available on-line at http://wrwc.usu.edu/files/uploads/Newsletter/RC_apr08/RuralConnections_apr08_web.pdf.
- Brunson, M. 2007. Grazing and social change: Understanding potential effects of exurban expansion. Pp. 237-239 in *Proceedings, 3rd National Grazing Lands Conference*. Lawrence, KS: Allen Press.

- Brunson, M.W., and L. Huntsinger. 2007. Rancher demographics, socioeconomic pressures, and the challenge of meeting conservation goals. *Quivira Coalition Journal* 31(Sept):24-30.
- Johnson, R.L., B. Shelby, M. Brunson and J. Leahy. 2005. Socioeconomic responses to silvicultural alternatives. Ch. 6 (pp. 88-103) in C.C. Maguire and C.L. Chambers, eds. *College of Forestry Integrated Research Project: Ecological and Socioeconomic Responses to Alternative Silvicultural Treatments*. Research Contribution No. 46, Forest Research Laboratory, Corvallis, OR.
- Brunson, M.W. 2003. Crisis, context, and the reluctant socialization of the range profession. *Rangelands* 25(6):16-21.
- Tanaka, J., L.A. Torell, L.E. Swanson, M.W. Brunson, D.W. McCollum, and H.T. Heintz Jr. 2003. Indicators for maintenance and enhancement of multiple economic and social benefits to current and future generations. In J. Mitchell, E.T. Bartlett, H. Rowe and L. Hidingier (eds.) *A First Approximation Report by the Sustainable Rangelands Roundtable*. Fort Collins, CO: Colorado State University.
- Brunson, M.W. 2002. Status of social criteria and indicators. Pp. 55-58 in *Sustainable Rangeland Management: Status of a Roundtable to Determine Criteria and Indicators: Proceedings of a Symposium Sponsored by the Sustainable Rangelands Roundtable*. Prepared for the annual meeting of the Society for Range Management, Kansas City, Mo., Feb 13-19, 2002.
- Brunson, M.W. 2002. Collaborative stewardship: views from both sides now. Pp. 240-244 in: G.K. Meffe, L.A. Nielsen, R.L. Knight and D.A. Schenborn. *Ecosystem Management: Adaptive, Community-Based Conservation*. Washington, DC: Island Press.
- Brunson, M.W., and G.N. Wallace. 2002. Perceptions of ranching: public views and personal reflections. Pp. 91-105 in Knight, W. Gilgert, and E. Marston, eds. *The Culture, Economics, and Ecology of Ranching West of the 100th Meridian*. Washington, DC: Island Press.
- Brunson, M.W. 1999. Integrating environmental and agricultural policy: a North American perspective. Pp. 493-497 in J. Buchanan-Smith, L.D. Bailey & P. McCaughey, eds. *Proceedings of the XVIII International Grassland Congress (Volume 3)*. Calgary, Alberta, Canada: Association Management Centre.
- Brunson, M.W. 1998. Social dimensions of boundaries: balancing cooperation and self-interest. Pp. 65-86 in R. Knight and P. Landres, eds., *Stewardship Across Boundaries*. Washington, D.C.: Island Press.
- Steel, B.S., B. Shindler and M.W. Brunson. 1998. Social acceptability of ecosystem management in the Pacific Northwest. Pp. 147-160 in D. Soden, B.L. Lamb, and J.R. Tennert, eds., *Ecosystems Management: A Social Science Perspective*. Dubuque, Iowa: Kendall-Hunt.
- Brunson, M.W. 1996. Human dimensions in silviculture. Ch. 6 in A.W. Ewert, ed., *Natural Resource Management: The Human Dimension*. Boulder, Colo.: Westview.
- Mitchell, J.E., and M.W. Brunson. 1996. Society and range management: a commentary. *Journal of Range Management* 49:68.
- Brunson, M.W., and J.J. Kennedy. 1995. Redefining "multiple use": agency responses to changing social values. Pp. 143-158 in *A New Century for Natural Resources Management*. R.L. Knight and S. Bates, eds. Island Press.

Other scholarly publications and research reports (*graduate/undergraduate advisee co-author)

- Brunson, M.W. 2016. The paradox of living in the woods (book review). *Journal of Forestry* 114:160.

- Brunson, M.W. 2016. Public perceptions of public lands grazing: from bad news to not-so-bad after all. *Proceedings, 6th National Conference on Grazing Lands*. Fort Worth, TX: National Grazing Lands Coalition.
- Brunson, M. 2014. Go-back land: restoring abandoned farmland and sustaining farm towns. National Socio-Environmental Synthesis Center teaching case study 2014-1. Online at <http://www.sesync.org/go-back-land-restoring-abandoned-farmland-and-sustaining-farm-towns-2014-1>.
- Brunson, M. 2014. Improving public support for restoration plans: A matter of trust. SageSTEP News 24:1-3. Online at: http://www.sagestep.org/pdfs/newsletter/SageSTEP_News_Issue_24.pdf
- Brunson, M., *L. Gilbert, L. Green, J. Holmstead, *J. Ostermiller, J. Phelps, and A. Tallian. 2014. Guest commentary: Taking science to the streets of Cache Valley. *Logan Herald Journal*, 7 May 2014. Online at http://news.hjnews.com/allaccess/guest-commentary-taking-science-to-the-streets-of-cache-valley/article_25356382-d63b-11e3-b48a-0019bb2963f4.html.
- *Hoffmann, S., and M. Brunson. 2012. Monitoring road dust emission and related dust effects and dust management in national parks. Protocol completed and submitted to the National Park Service, Southeast Utah parks, August 2012. Online at: http://extension.usu.edu/iort/files/uploads/pdfs/road_dust_monitoring_protocol.pdf.
- *Hoffmann, S., M. Brunson and S. Olsen. 2010. A field guide to stakeholder groups for Great Basin sagebrush steppe restoration. Logan, UT: SageSTEP. Online at: <http://www.sagestep.org/pubs/stakeholderguide.html>.
- Shindler, B., R. Gordon and M. Brunson. 2007. Public priorities for rangeland management: A regional survey of citizens in the Great Basin. Logan, UT: SageSTEP. Online at: http://www.sagestep.org/pubs/pubs/006citizen_survey_summary.pdf.
- Brunson, M., and *J. Peterson. 2006. Comparing citizens' and managers' concerns about sagebrush management and restoration in the Great Basin. Logan, UT: SageSTEP. Online at <http://www.sagestep.org/pubs>.
- Shindler, B., and M.W. Brunson 2005. Evaluating Public Responses to Wildland Fuels Management: Factors that Influence Acceptance of Practices and Decisions. Final project report to the Joint Fire Science Program. JFSP Project 99-1-2-08. June 2005.
- *Wilmot, S., and M.W. Brunson. 2005. Conservation Attitudes of Rural Landowners near Fort Hood, Texas. Final report to The Nature Conservancy, Fort Hood office and Texas Conservation Data Center, Killeen, TX, February 2005.
- Brunson, M.W. 2002. Evaluating a Nature-Based Tourism Event. Publication NR/RF/010. Institute of Outdoor Recreation and Tourism, Utah State University.
- Landres, P., M.W. Brunson and L. Merigliano. 2001. Naturalness and wildness: the dilemma and irony of ecosystem restoration in wilderness. *Wild Earth* 10(4):77-82.
- McClaran, M.P., M.W. Brunson and L. Huntsinger. 2001. Future social changes and the rangeland manager. *Rangelands* 23(6):33-35.
- Brunson, M.W. 2000. Observing vs. doing: a researcher looks at collaboration. *Chronicle of Community* 4(2):47-52.
- Brunson, M.W. 1999. A sociopolitical model of factors enhancing rangeland collaboration. Pp. 181-183 in *People and Rangelands: Proceedings of the 6th International Rangeland Congress*. Aitkenvale, Queensland, Australia: International Rangeland Congress, Inc.

- Brunson, M.W., and *T. Christensen. 2000. Visitor Experiences and Resource Protection at Antelope Island State Park. Professional Report 1999-01, Institute for Outdoor Recreation and Tourism, Utah State University, Logan
- Brunson, M.W., and *B. Nicholson. 1999. Use, Attitudes, and Beliefs about the Great Salt Lake Among Davis County Residents. Professional Report 1999-02, Institute for Outdoor Recreation and Tourism, Utah State University, Logan
- Kruger, L.E., C.B. Tyler and M.W. Brunson. 1997. Social acceptability in ecosystem management. Challenges Facing Resource Management and Research No. 17, USDA Forest Service, Pacific Northwest Research Station.
- Kuhns, M.R., M.W. Brunson and S.D. Roberts. 1997. Educational needs and expectations of forest landowners in two regions of the United States. Pp. 63-71 in R. Hubner and R. Beck, eds. Approaches to Extension in Forestry — Experiences and Future Developments: Proceedings, IUFRO Working Party S6.06-03 Extension Symposium, 30 September-4 October 1996, Freising, Germany. Munich: International Union of Forestry Research Organizations and Ludwig Maximilians Universität.
- Brunson, M.W., G.A. Rasmussen and *K.J. Richardson. 1996. Acceptability of range practices and policies among general and ranching publics. Pp. 72-73 in N. West, ed., Proceedings, Fifth International Rangeland Congress, Volume 1. Denver, Colo.: Society for Range Management.
- Brunson, M.W., and R. Reese. 1995. Break-out session 3: the Northern Rockies. Pp. 81-84 in Ecosystem Management of Natural Resources in the Intermountain West. Vol. V, Natural Resources and Environmental Issues, Utah State University, Logan.
- *Reiter, D.K., M.W. Brunson, and R.H. Schmidt. 1995. Public attitudes toward predators in Texas. Pp. 85-86 in D. Rollins et al., eds., Proceedings, Coyotes in the Southwest: a compendium of our knowledge. Texas Agricultural Extension Service, San Angelo, TX, 180 p.
- Brunson, M.W. 1995. The Wisdom of the Spotted Owl: Policy lessons for a new century (Book Review). *Western Journal of Applied Forestry* 10(2):48,52.
- Brunson, M.W., *K.J. Richardson and G.A. Rasmussen. 1995. Identifying Issues, Concerns, and Opportunities for Utah's Privately Owned Rangelands Under Ecosystem Management. Final project report to State of Utah Mineral Lease program.
- Brunson, M.W., and *D.K. Reiter. 1994. Effects of Information and Post- Harvest Recovery Time on Perceived Scenic Quality of Managed Forest Stands. Final project report to State of Utah, Mineral Lease Funds program.
- Brunson, M. 1993. Public Acceptability of Management Practices and Conditions in Pacific Northwest "Matrix" Forests. Report to the Forest Ecosystem Management Team, President's Post-Conference Group, April 30, 1993. 50 p.
- Brunson, M.W. 1993. The "Social Acceptability" Component of Ecosystem Management: Synthesis and Problem Analysis. Final project report to Pacific Northwest Research Station, Seattle, Wash., December 1993. 43 p.
- Brunson, M.W. 1992. The contribution of scenery to recreation site quality. 13th Annual Intermountain Leisure Symposium: Proceedings Papers. Logan, Utah: Utah State University, pp. 22-32.
- Brunson, M.W. 1992. Social acceptability of silvicultural practices. *Natural Resource News* 2(3):10. (Blue Mountains Natural Resources Institute, LaGrande, Ore.)

Brunson, M.W. 1992. Social Acceptability of New Perspectives Practices and Conditions. Final project report to the Cascade Center for Ecosystem Management and USDA Forest Service, Pacific Northwest Research Station, 156 p.

Brunson, M., B. Shelby, and R.L. Johnson. 1992. Current Use and Potential Impacts of Whitewater Recreation in Oregon. Final technical completion report #WRRI-111. Oregon Water Resources Research Institute, Corvallis, 30 p.

Shelby, B., R.L. Johnson, and M. Brunson. 1990. Comparative Analysis of Whitewater Boating Resources in Oregon: Toward a Regional Model of River Recreation. Final technical completion report #WRRI-108. Oregon Water Resources Research Institute, Corvallis, 143 p.

Shelby, B., J. Goodwin, M. Brunson, and D. Anderson. 1989. Impacts of Recreation Use Limits in the Alpine Lakes Wilderness. Final report, Project #PNW 87-243, USDA Forest Service, Pacific Northwest Region, 105 p.

Publications edited

Brunson, M.W., L.E. Kruger, C.B. Tyler, and S.A. Schroeder, technical editors. 1996. *Defining social acceptability in ecosystem management: a workshop proceedings*. USDA Forest Service Gen. Tech. Report PNW-369, Pacific Northwest Research Station, Portland.

Contracts and grants

Research

USDA-National Institutes of Food and Agriculture, "A pre-emptive rangeland resotraiton approach to improving biodiversity and provision of ecosystem services," \$499, 213 (co-investigator on award to USU).

National Science Foundation, "Scale-dependent feedbacks among protected areas and surrounding social-ecological systems," 2016-2020, \$243,121 (co-investigator on multi-institutional project, total award \$1,305,006).

Utah Division of Wildlife Resources, "Efficacy of Translocation as a Management Tool for Urban Mule Deer," 2015-2017, \$21,453 (co-investigator).

Utah State University, Office of Research & Graduate Studies, "Integrating Ecological, Economic, and Social Components to Improve Effectiveness of Landscape Restoration, 2015-17, \$54,000 (co-investigator).

Utah Division of Wildlife Resources, "Information on Public Opinion Regarding Fur-Bearers (especially Beaver)," 2013-14, \$10,184.

USDA-National Institutes of Food and Agriculture, "Weather data and forecasting applications for management of ecological site transitions," 2012-15, \$101,094, (co-investigator on multi-institutional project, total award \$437,099).

USDA-National Institute of Food and Agriculture, "A systems approach to seedling establishment on degraded rangeland: Managing ecological processes driving recruitment bottlenecks 2011-14, \$15,000 (co-investigator on multi-institutional project, total award \$499,034).

USDA Forest Service, Rocky Mountain Research Station, SageSTEP: A Regional Experiment to Evaluate Effects of Fire and Fire Surrogate Treatments, 2011-2015, \$90,509 (co-investigator on multi-institutional project, total award \$1.8 million)

USDA-National Institute of Food and Agriculture, "Climate Driven Invasive Grass-Fire Cycles: Understanding Ecosystem Responses for Effective Pre- and Post-fire Management of Great

Basin and Mojave Rangelands," 2010-13, \$100,578 (co-investigator on multi-institutional project, total award \$419,173).

Utah State University Research Catalyst Award, "Behavioral, Attitudinal, and Ecological Factors Influencing the Management of Invasive Frogs in Hawaiian Agroecosystems," 2009, \$19,983.

Utah Community/University Research Initiative, "Small-acreage Landowners' Knowledge, Management Goals, and Information Sources about Utah Rangelands," 2007-2008, \$22,332.

USDA Forest Service, Rocky Mountain Research Station, "Problem Analysis: Social Aspects of Restoring Great Basin Ecosystems," 2006-2007, \$13,804.

USDA-CSREES National Research Initiative (NRI), "Prescribed Fire in Riparian Zones Affected by Conifer Expansion: Ecological, Hydrologic, and Socio-Economic Effects," 2006-2009, \$105,000 (principal investigator of multi-investigator project, total award \$394,426.)

USDA-USDI Joint Fire Science Program, "A Regional Experiment to Evaluate Effects of Fire and Fire Surrogate Treatments in the Sagebrush Biome," 2005-2010, \$527,000 (co-investigator on multi-investigator project, total award \$12.9 million).

Texas Nature Conservancy, "Conservation Attitudes of Rural Landowners near Fort Hood, Texas," 2004-05, \$18,720.

Utah Forest Landowner Education Program, "Management Motives and Education Needs of Utah's Private Forest Landowners," 2003-2005, \$44,972.

USDA-CSREES Initiative for Future Agriculture and Food Systems (IFAFS), "Consortium for the Application of Behavioral Principles to Management," 2001-2005, \$98,000 (co-principal investigator on multi-investigator project, total award \$4.2 million).

USDA-CSREES Initiative for Future Agriculture and Food Systems (IFAFS), "Southwest Rangeland Invasive Plants Initiative," 2000-2004, \$108,000 (co-investigator on multi-institutional project, total award \$625,000).

USDA/USDA Joint Fire Science Program, "Evaluating Public Responses to Wildland Fuels Management Practices," 1999-2002, \$103,000 (co-investigator, total award \$275,000).

Utah Agricultural Experiment Station, "Adoption of Innovations for Enhanced Ranch Sustainability," 1999-2002, \$59,000 (co-investigator, total award \$840,000).

Utah Division of State Parks, "Antelope Island Visitor Study," 1999, \$13,000.

Bureau of Land Management, "Grand Staircase-Escalante National Monument Visitor Study," 1997-2000, \$70,000.

USDA Forest Service-Pacific Northwest Research Station, "Social Acceptability of Forest Management Practices and Conditions: A Problem Analysis," 1997-99, \$16,500.

USDA Forest Service-Aldo Leopold Wilderness Research Institute, "Assessing Low-Impact Recreation Attitudes and Behaviors in Desert Wildernesses," 1996-98, \$44,000.

USDA Forest Service-Uinta National Forest, "National Forest Volunteer Survey," 1996-98, \$22,000.

Utah National Guard, "Social and Environmental Assessment of Natural Resource Management Activities at Camp Williams," 1995-96, \$25,000.

Utah Division of Forestry, Fire and State Lands, "Landowner Motivations and Timber Harvest Activities on Utah's Private Forest Lands," \$4,000, 1995.

USDA-CSREES Renewable Resources Extension Grant, Non-Industrial Private Forest Owner Attitudes toward Ecosystem Management, 1994-96, \$11,800 (total award \$35,000).

USDA-Animal Damage Control, Public Attitudes toward Federal Wildlife Damage Management, 1994-96, \$25,000.

USDA-Pacific Northwest Research Station, Adoption of Ecosystem Management on Northern Rockies National Forests, \$10,000.

Utah Agricultural Experiment Station, "Identifying Issues, Concerns, and Opportunities for Utah's Privately Owned Rangelands under Ecosystem Management," 1994-95, \$11,600.

Utah Agricultural Experiment Station, "Effects of Ecological Information on Acceptability of Timber Harvest," \$15,000, 1993-94.

USDA-Pacific Northwest Research Station, "Defining Social Acceptability in Ecosystem Management," 1992-94, \$56,000

Outreach, Communication & Land Management Assistance

Joint Fire Science Program, "Great Basin Fire Science Exchange," 2016-2018, \$19,778 (co-investigator on multi-institutional project total award \$449,992).

National Park Service, "Preparing Natural Resource Condition Assessments (NRCAs) for Seven Intermountain Region Park Units," 2015-2019, \$443,902.

National Park Service, "Developing and Integrating Landscape-Scale Context into Natural Resource Condition Assessment," 2014-16, \$84,700.

National Park Service, "Preparation of Natural Resource Condition Assessment Reports for Five Intermountain Region Parks," 2013-2015, \$61,065.

National Park Service, "Science Communication Assistance for Devil's Postpile National Monument," 2013-14, \$9,927.

National Park Service (Yellowstone NP), "Tribal Consultation and Science Communication Assistance," 2013-14, \$12,574.

National Park Service, "Contemporary Tribes of Capitol Reef National Park," 2012-14, \$13,500.

National Park Service, "Preparation of Natural Resource Condition Assessment Reports for Bent's Old Fort, Fort Davis, and Fort Larned National Historic Sites," 2012-14, \$42,463.

National Park Service, "2012-13 Science Communication Assistance (Bighorn Canyon/Yellowstone/Delaware Water Gap)," 2012-13, \$33,693.

National Park Service, "Science Communication Assistance for Yosemite National Park," 2012-14, \$4,000.

National Park Service (Whiskeytown NRA), "Develop Outreach and Interpretive Materials to Communicate Best Management Practices for Confronting Illegal Marijuana Cultivation," 2012-14, \$14,229.

Yellowstone Association, "Support for Resource Education Assistance," 2012, \$5,042.

National Park Service (Rocky Mountain NP). "Science and Stewardship: Professional Development for Seasonal Employees," 2011-12, \$12,500.

National Park Service. "Paiutes of Capitol Reef National Park," 2010-12, \$20,000.

National Park Service (Little Bighorn Battlefield, Sand Creek Massacre NHS, Washita Battlefield NHS), "Preparation of a Natural Resource Condition Assessment Report for Three Intermountain Region Parks," 2011-12, \$32,962.

National Park Service, "Lessons Learned and Success Stories: Recruiting, Retention and Outreach Materials," 2011-12, \$14,970.

National Park Service and the Yellowstone Association, "FY 12 Support for Science Communication Assistance," 2011-12, \$32,987.

National Park Service, "Content Development for Science Learning Centers," 2010-2013, \$74,897.

National Park Service (Rocky Mountain National Park). "Natural Resource Assessment Workshop: A Pilot Demonstration Project at Rocky Mountain National Park," 2009-2011, \$18,000.

National Park Service (Yellowstone National Park, Southern Plains and Greater Yellowstone Inventory & Monitoring Networks), "Science Communication Assistance," 2008-2010, \$62,500.

National Park Service (Rocky Mountain National Park), "Workplace Implementation of Innovation/Adoption Strategies to Improve the Use of Science in Management Decisions," 2008-2011, \$19,151

Western Region-Sustainable Agriculture Research and Education (SARE), Producer Development Program, "Disseminating Research-Based Information to Improve Great Basin Rangelands," 2006-2008, \$21,605.

Utah Division of Wildlife Resources, "Greater Great Salt Lake Ecosystem Wetlands Education Plan," 1999-2000, \$23,000 (co-investigator, total award \$83,500).

Education and Graduate Training

National Socio-Environmental Synthesis Center (SESYNC), "Pursuit: Translational Ecology – A Pedagogical Framework to Integrate Natural and Social Sciences," 2013-15. SESYNC pays travel expenses for 12 participants to meet periodically in Maryland to complete project.

Outreach program administration

Sagebrush Steppe Treatment Evaluation Program (SageSTEP). Role: principle investigator for outreach in Joint Fire Science Program-funded research program, 2005-present.

Great Basin Fire Science, a Joint Fire Science Program-funded learning exchange. Role: principal investigator, 2015-present; steering committee member, 2012-present

Innovative Urban Transitions and Aridregion Hydro-sustainability (iUTAH), a National Science Foundation-funded research and capacity-building program, Role: Director of Education, Outreach, and Diversity, 2014-present.

National Park Service, administrator for science communication agreements with the Greater Yellowstone Science Learning Center, the Learning Center for the American Southwest, and numerous NPS units, 2008-14.

Presentations at professional meetings and seminars (past 5 years, *=invited presentation)

*Beliefs, behaviors, and behavior change strategies for management of exotic *Bromus* grasses, 101st annual meeting, Ecological Society of America, Fort Lauderdale, FL, Aug. 11, 2016.

*Future Directions of Usable Socio-economic Science for Rangeland Sustainability, multiple briefings to cabinet agencies and NGOs in Washington, DC, June 15-16, 2016

**Bromus* and Society: Beliefs, Behaviors, and Capacity for Change, Sagebrush Ecosystem Conservation: All Hands, All Lands conference, Salt Lake City, UT, Feb. 24, 2016.

- *Barriers and Opportunities for Incorporating New Knowledge into Restoration Decision-Making, 69th annual meeting, Society for Range Management, Corpus Christi, TX, Feb. 1, 2016.
- Public Perceptions of Public Lands Grazing: From Bad News to Not-So-Bad, 6th National Conference on Grazing Lands, Grapevine, TX, Dec. 16, 2015.
- Enhancing Ecosystem Services through Collaborative Restoration: Processes and Outcomes, 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, Flagstaff, AZ, Oct. 6, 2015.
- *Crafting the Future of Usable Science for Sustainable Rangelands, 100th annual meeting, Ecological Society of America, Baltimore, MD, Aug. 13, 2015.
- *Co-creating a Social-Ecological Research Agenda for Rangelands, 100th annual meeting, Ecological Society of America, Baltimore, MD, Aug. 12, 2015.
- *Human Dimensions of Federal Rangeland Management: What Do Citizens Think and Why? Rangeland Management for Line Officers short course, Golden, CO, April 30, 2015.
- *Can We Fit Drought Adaptation into a Natural Resource Manager's Tight Decision Space? 2015 Great Basin Climate Forum, Reno, NV, April 8, 2015.
- *Public Lands Grazing and Conservation: Citizen Perspectives and Attitudes, 3rd Rustici Symposium, University of California, Davis, CA, March 4, 2015.
- *Social and Political Sources of Uncertainty Affecting Public Land Restoration Decisions (with Hilary Whitcomb), 68th annual meeting, Society for Range Management, Sacramento, CA, Feb. 1-6, 2015.
- * Usable Socio-Economic Science for Rangelands: Results of an Agenda-Setting Workshop, 68th annual meeting, Society for Range Management, Sacramento, CA, Feb. 1-6, 2015.
- *EOD Highlights: iUTAH Catalyst Grants, Annual winter meeting, NSF-EPSCoR jurisdiction leaders, Honolulu, HI, Jan. 23, 2015.
- *Stakeholder Perceptions of Sagebrush Management, International Sage-Grouse Forum, Salt Lake City, UT, Nov. 13 and 14, 2014.
- *Living on Changing Landscapes: Is it Time to Change our Approach to Cheatgrass?" University of Idaho Rangeland Fall Forum, Boise, ID, Oct. 22, 2014.
- *Invader, Encroacher, or Does it Matter? Ecological and Psychological Influences on Beliefs about Unwanted Conifers, 99th annual meeting, Ecological Society of America, Sacramento, CA, Aug. 12, 2014.
- Can Translational Ecology Help Scientists Think Beyond Shorter Words and Cooler Graphics?, 99th annual meeting, Ecological Society of America, Sacramento, CA, Aug. 15, 2014.
- *Managing Invasive Species and Wildfire: Social and Political Considerations in the Public Lands States, Large Wildfires Conference, Missoula, MT, May 22, 2014.
- *What do Citizens Believe about Management of Nuisance Wildlife?, brown-bag presentation to Utah Division of Wildlife Resources, Salt Lake City, UT, Jan. 21, 2014.
- *Managing for Social-Ecological Resilience: A Dimly-Lit Path to a Bright Future?, 2013 Restoring the West Conference, Logan, UT, Oct. 17, 2013.
- *Workshop moderator and discussant, Landscape Management of a Native Invader, Western Juniper, University of California, Davis, CA, Sept. 10, 2013.

Production and Management of Dust from Gravel Roads: Potential Effects on Desert Roadside Plant Communities (poster, with Scott Hoffmann), 98th annual meeting, Ecological Society of America, Minneapolis, MN, Aug. 4-9, 2013.

*Workshop panelist, Engaging Ecologists in Public Policy: Revisiting ESA Recommendations, 98th annual meeting, Ecological Society of America, Minneapolis, MN, Aug. 4-9, 2013.

*Post-Fire Management Decision Making – Research and Observations (with Hilary Whitcomb), Mojave Desert Fire Ecology Workshop, Lytle Ranch research station, St. George, Utah, April 17-18, 2013.

*Noah's Heirs? Biodiversity, Endangered Species, and Resiliency – A socio-ecological systems perspective, 18th Wallace Stegner Symposium, University of Utah, Quinney School of Law, Salt Lake City, April 12-13, 2013.

Effects of Fugitive Dust from Roads Crossing Arid Rangelands (with Scott Hoffmann), 66th annual meeting, Society for Range Management, Feb. 3-7, 2013.

Drought Impacts to Socio-Economic Systems, 66th annual meeting, Society for Range Management, Feb. 3-7, 2013.

*NEPA-phobia and the "Trust Gap": Impediments to Rangeland Resilience? 2nd Great Basin Symposium, Boise, ID, Jan. 15, 2013.

*Too Many Frogs and Not Enough Flowers: How Social-Ecological Systems Studies Can Help Us Understand Environmental Change," College of Forestry & Conservation graduate seminar series, University of Montana, Missoula, Nov. 16, 2012.

Definitions, Dimensions and Directions for Translational Ecology (with Scott Hoffmann), 2012 annual meeting, Ecological Society of America, Portland, OR, Aug. 5-9, 2012.

*Unwanted No More: Land Tenure, Ecosystem Services, and Opportunities for Resilience in Human-Occupied Shrublands. 17th Wildland Shrub Symposium, Las Cruces, NM, May 22-24, 2012.

Dust, Crust, Plants and People: Testing a Model of Cross-Scale Human-Nature Interactions for the Colorado Plateau. Canyon Country Science Symposium, Moab, UT, March 12-14, 2012.

Human Behavior as a Factor in Ecosystem Resilience (with Hilary Whitcomb and Bruce Shindler). 2012 annual meeting, Society for Range Management, Spokane, WA, Jan. 30-Feb. 2, 2012.

Completed Graduate Theses Supervised

Bukhari, Rizal. 1996. *Visitor Use of Interpretive Facilities at Fossil Butte National Monument, Wyoming*. M.S., Recreation Resource Management, Utah State University.

Chakreeyarat, Voravee. 2015. *Cultural, Demographic, and Environmental influences on Risk Perception and Mitigation on the Wildland-Urban Interface*. PhD, Human Dimensions of Ecosystem Science and Management, Utah State University.

Chung, Min-Gyo. 2009. *Estimates of Visits by Local Residents to Special Places on Public Lands in Southwestern Utah Using Spatial Interaction Models*. M.S., Geography, Utah State University.

Colestock, Kaia. 2006. *Landscape Scale Assessment of Contaminant Effects on Insectivorous Birds*. M.S., Ecology, Utah State University.

Didier, E.A. 2002. *Adoption of Range Management Innovations by Utah Livestock Producers*. M.S., Range Science, Utah State University

- Flinders, Sarah S. 2003. *Assessment of the national forest volunteer experience: Motives, satisfaction, and knowledge gained*. M.S., Recreation Resource Management, Utah State University.
- Hoss, Amy F. 1996. *Acceptability Judgments and Coping Strategies for Wilderness Use Impacts*. M.S., Recreation Resource Management, Utah State University.
- Jeppesen, David. 2003. *A Web-Based Resource for Collaborative Planning in Nevada BLM Offices*. Master of Natural Resources, Utah State University.
- Kalnicky, Emily A. 2012. *A Coupled Human and Natural Systems Approach to Understanding an Invasive Frog, Eleutherodactylus coqui, in Hawaii*. PhD, Ecology, Utah State University.
- Kennedy, Carrie A. 2005. *Learning and Adoption of Range Management Innovations among Ranchers in West-Central Colorado*. M.S., Range Science, Utah State University.
- Kimura, Takashi. 1992. *The Value of Forested Landscapes for Adjacent Residents of an Urban Forest*. M.S., Forest Recreation Resources, Oregon State University.
- Meier, Noelle. 2013. *Sustainable Outdoor Recreation and the Forest Service: Agency Culture, Response to Change and Implications for the Future*. M.S., Human Dimensions of Ecosystem Science and Management, Utah State University.
- Nay, Cameron. 2009. *Social Acceptability of Conifer Control and Sagebrush Restoration in the Northern Rocky Mountain Region*. M.S., Human Dimensions of Ecosystem Science and Management, Utah State University.
- Nicholson, Brian. 2000. *Deconstructing Avalon: Stakeholder Perceptions of Wetlands in Northern Utah*. M.S., Watershed Science, Utah State University.
- Palmer, Lael. 2001. *Recreation, Livestock Grazing, and Protected Resource Values in the Grand Staircase-Escalante National Monument*. M.S., Recreation Resource Management, Utah State University.
- Reiter, Douglas K. 1999. *A Survey of the General Public Assessing Public Attitudes toward Animal Damage Control Management Policy*. M.S., Recreation Resource Management, Utah State University.
- Richardson, Kimberly J. 1998. *Perceived Fairness and Effectiveness of Rangeland Collaborative Processes*. M.S., Range Science, Utah State University.
- Ruehrwein, R. Joseph. 1998. *Exploring Knowledge, Attitudes and Reported Behaviors of Southern Utah Back-Country Recreationists*. M.S., Recreation Resource Management, Utah State University.
- Salmon, Olivia L. 2005. *Management Objectives and Educational Needs of Nonindustrial Private Forest Landowners in Three Utah Counties, With Implications for Forestry Outreach Programs in the State*. M.S., Human Dimensions of Ecosystem Science and Management, Utah State University.
- Schroeder, Susan A. 1996. *A Survey of Employees of the United States Department of Agriculture's Animal Damage Control Program*. M.S., Forest Resources, Utah State University.
- Stauffer, Christina J. 1999. *A Qualitative Look at Backcountry Recreation in the Grand Staircase-Escalante National Monument*. M.S., Recreation Resource Management, Utah State University.
- Stock, Darcy A. 2004. *Assessment of Fire Risk Using GIS to Assist Planning for Visitor Egress at City of Rocks National Reserve*, M.S. Geography, Utah State University.

- Thomson, Jamie K. 1999. *Ec(h)o of our Familiars: Surprising Mental Lives Out of the Wor(l)d Around Us*. Ph.D., Forestry, Utah State University.
- Tidwell, Leith S. 2005. *Information Sources, Willingness to Volunteer, and Attitudes toward Invasive Plants in the Southwestern United States*, M.S., Forestry, Utah State University.
- Whitcomb, Hilary L. 2011. *Temperature Increase and Invasion Effects on Great Basin Forbs: Experimental Evidence and Range Manager Perspectives*. M.S., Ecology, Utah State University.
- Whitcomb, Hilary L. 2016. *Bridging Post-Wildfire Communication Gaps between Managers, Researchers, and Local Communities, including a Biological Soil Crust Case Study*. PhD, Ecology, Utah State University.
- Wilmot, Susan R. 2009. *Attitudes, Behavioral Intentions, and Migration: Resident Response to Amenity Growth-Related Change in the Rural Rocky Mountain West*. Ph.D., Human Dimensions of Ecosystem Science and Management, Utah State University.

Awards

- Advisor of the Year, College of Natural Resources, 1995, 2002, and 2013
- Graduate Mentor of the Year, College of Natural Resources, 2014
- Professor of the Year, College of Natural Resources, 1997
- Undergraduate Research Mentor of the Year, College of Natural Resources, 2002-3
- Utah Range Manager of the Year, Society for Range Management (Utah Section), 2010

University Teaching

Graduate courses

- ENVS 6300, Social and Environmental Psychology of Natural Resources (3 cr.), Spring 2005-2010; Fall 2014, 2016
- ENVS 6400, Ecological Aspects of Recreation (3 cr.), Spring 1997-Spring 2006
- ENVS 6410, Translational Ecology (3 cr.), Fall 2011, Spring 2014-2016
- ENVS 6500, Behavioral Aspects of Recreation (3 cr.), Fall 1998-Fall 2004
- ENVS 6840, Graduate Orientation in Environment and Society (1 cr.), Fall 2009-10
- ENVS 6900, Human Dimensions of Wildlife (2 cr.), Fall 2008
- RR 6300, Policy Aspects of Recreation (3 cr.), Spring 1999
- RR 643, Forest Recreation (3 cr.), Spring 1995 (co-taught with Dale Blahna)
- WATS 6900, Sustainability Science (3 cr.), Spring 2011 (co-taught with Todd Crawl and Rita Teutonic)

Undergraduate courses

- HONR 1340, Social Systems and Issues (Honors, 3 cr.), Spring 1999-Spring 2003
- ENVS 1990, Professional Orientation for Environment and Society (3 cr.), Fall 2011-2012
- ENVS 2340, Natural Resources and Society (3 cr.), Fall 1998-Fall 2008
- ENVS 3000, Natural Resources Policy and Economics (4 cr.), Fall 2008
- ENVS 4000, Human Dimensions of Natural Resource Management (3 cr.), Fall 2005-2008, 2013
- ENVS 4500, Wildland Recreation Behavior (3 cr.), Winter 1993-Fall 2005
- ENVS 4950, Student Leadership seminar (1 cr.), Fall 2004
- ENVS 5000, Collaborative Problem Solving for Environment and Natural Resources (3 cr.)
Spring 2011-2013
- ENVS 5000, Environmental Nonprofit and Volunteer Management (3 cr.), Spring 2015-16
- FR 410, Human Dimensions of Natural Resource Management (3 qtr-hrs), Winter 1998
- RR 250, Wilderness in America (3 qtr-hrs), Winter 1993-Fall 1997
- RR 451, Interpretive Planning (3 qtr-hrs), Spring 1993
- RR 520, Recreation Policy and Economics (3 sem-hrs), Spring 1994-Spring 1999

FOR 430, Amenity Resource Management (4 cr.), Spring 1992 (Oregon State)
RRM 380, Recreation Research Methods (3 qtr-hrs), Winter 1992 (Oregon State)
RRM 465, Current Issues in Recreation Resource Management (3 cr.), Fall 1989 (Oregon State)

Guest lectures in the following Utah State University courses:

Bioregional Analysis and Planning (ENV 6200)
Bioregional Management and Policy (ENVS 6210)
Ecology of Our World (FW 2200)
Environment, Resource and Development Policy (ENV 5550/6550)
Environmental Impacts of Agricultural Systems (ASTE 5260)
Environmental and Natural Resources Professionalism Seminar (ENVS 4990)
Fisheries and Wildlife Policy and Administration (FW 4100/6100)
Forestry Practice (FR 3100)
Fundamentals of Recreation Resource Management (RR 3300)
Geography of Utah (GEOG 4210)
Human Dimensions of Natural Resources and the Environment (ENVS 4000)
Human Impacts on the Environment (GEOG 1710)
Introduction to Forest, Range, and Wildlife Sciences (FRWS 2000)
Landscape Architecture and Environmental Planning Seminar (LAEP 6910)
Legal and Ethical Environment of Business (MHR 2290)
Management of Natural Resources and the Environment (NR 3000)
Natural Resource Policy and Economics (NR 4000)
Natural Resources and the Future (NR 1010)
Qualitative and Interpretive Research in Instructional Technology (INST 7300)
Qualitative Methods I (EDUC 6770)
Range Professional Leadership Seminar (RLR 2910)
Recreation Planning and Management (RR 4400)
Research for Classroom Teachers (EDUC 6550)
Riparian Ecology and Management (RLR 5640)
Special Topics: Rangeland Restoration (RLR 6910)

Continuing Education Instruction

Continuing Education for Ecosystem Managers, Utah State University, 1994-present
Outdoor Recreation Short Course for Managers, Utah State University, 1997-2003
Outdoor Recreation Short Course for Mid-Career Professionals, Utah State University, 1993-2005
Plant-Herbivore Interactions Short Course (NRCS-sponsored), Utah State University, 2005-2007
Rangeland Policy and Socioeconomics, BLM National Training Center, Phoenix, 1997-2007
Silviculture for Non-Silviculturists, Utah State University, 1993-1999
Utah Conservation Corps, crew leader and summer crew member trainings, Logan, 2003-present
Wildlife Habitat and Plant Management Short Course, Utah State University, 1993-1995

Current and recent advisory and consultative services

Fire Science Policy Working Group, USDA-USDI Joint Fire Science Program.
Science advisory team, Canyonlands Research Center, The Nature Conservancy, 2006-present
Steering committee, Great Basin Fire Science Delivery Program, 2012-present
External advisory board, REACH-IGERT program, University of California-Davis, 2009-13
External program reviewer, School of Environment and Natural Resources, Ohio State University
2012; Department of Geography, Planning and Recreation, Northern Arizona University,
2014

Manuscript reviews for: *Biological Conservation; Biological Invasions; Conservation Biology, Conservation Letters, Ecological Applications, Ecology & Society, Environmental Communication, Environmental Management, Journal of Forestry, Invasive Plant Science and Management, Land Use Policy, Landscape and Urban Planning, Philosophical Transactions of the Royal Society B, Rangeland Ecology & Management, Rangelands, Society & Natural Resources.*

Professional service activities

Current member: Ecological Society of America; International Association for Society and Natural Resources; Society for Ecological Restoration; Society for Range Management.

Offices held: President-elect (2006), President (2007), Past President (2008), Utah section, Society for Range Management; President-elect (2000-2001), President (2002-2003), Utah chapter, Society of American Foresters.

Associate editorships: *Rangeland Ecology and Management* (2004-2007); *Society and Natural Resources* (2003-2005); guest associate editor, *Forest Science* (twice)

Current professional society service:

Rangelands Steering Committee, Society for Range Management
Rangeland Ecology, Human Ecology, Ecological Restoration, and Science Communication sections, Ecological Society of America
SEEDS Advisory Committee, Ecological Society of America.

Other service activities: Sustainable Rangelands Roundtable (2001-2006); Information and Education Committee, Society for Range Management (3 year term); Media Committee, Society for Conservation Biology (3-year term); program chair, Utah Society for Range Management annual meeting (2004, 2005); awards chair, Intermountain Society of American Foresters (1994-2004)