

## **JAMES R. MILLER**

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### **ACADEMIC TRAINING**

- 1999 Ph.D. in Ecology; Colorado State University, Graduate Degree Program in Ecology/Department of Biology.
- 1994 Masters of Science; Colorado State University, Department of Fishery and Wildlife Biology.
- 1991 Bachelors of Science; Colorado State University, Department of Fishery and Wildlife Biology. *Summa Cum Laude.*

### **PROFESSIONAL EXPERIENCE**

- 2010-present Associate Professor, Department of Natural Resources and Environmental Sciences, University of Illinois at Champaign-Urbana.
- 2008-2010 Assistant Professor, Department of Natural Resources and Environmental Sciences, University of Illinois at Champaign-Urbana.
- 2002-2008 Assistant Professor, Department of Landscape Architecture and Department of Natural Resource Ecology and Management, Iowa State University.
- 1999-2002 Postdoctoral Fellow, Department of Zoology, University of Wisconsin-Madison.
- 1997-1998 Fulbright Postgraduate Fellow, CSIRO Division of Wildlife and Ecology, Helena Valley, Western Australia.

## HONORS AND AWARDS

**List of Teachers Rated as Excellent by Their Students** NRES 420: Spring 2012, 2013, 2014; NRES 456: Spring 2011, 2012, 2013, 2014.

**Bayesian Modeling for Practicing Ecologists – Award** to support attendance at this NSF-sponsored workshop, Colorado State University (May, 2013)

**Arnold O. Beckman Research Award 2010** for projects of special distinction, special promise, or special resource value from the University of Illinois Research Board.

**2009 USDA Forest Service Chief’s Honor Award** (Conserving Open Space Award) for a series of publications focusing on habitat protection for grassland birds in the face of development pressure; with R. Haight and S. Snyder (USDA Forest Service), A. Skibbe (Kansas State University), S. George (Penn State University), Mark Gregory (Oklahoma State University) and S. Tóth (University of Washington).

**ACSA (Association of Collegiate Schools of Architecture) Creative Achievement Award 2007-2008** for development of the course *Design Science* (DSN 102), an interdisciplinary collaboration with Professors J. Alread and T. Leslie (Architecture), J. Muench (Art and Design), K. Jeske (Community and Regional Planning), and C. Rogers (Landscape Architecture).

**Wakonse Teaching Fellowship 2005** from the Waukonse Foundation and Iowa State University’s Center for Excellence in Learning and Teaching.

**International Travel Grant 2004** from Iowa State University for travel to Christchurch, New Zealand.

**Michael Guyer Postdoctoral Fellowship 1999** of the Department of Zoology, University of Wisconsin – Madison.

**Fulbright Post-Graduate Award 1997** for Ph.D. studies with the CSIRO Division of Wildlife and Ecology, Western Australia.

**American Planning Association Best Publication Award 1996** for Elliot, D., C. Duerksen, N.T. Hobbs, and J.R. Miller. *Managing Landscapes for Wildlife and People: A Habitat Protection Handbook*. Clarion Associates, Denver.

## PROFESSIONAL SOCIETIES

Ecological Society of America  
U.S. Chapter of the International Association of Landscape Ecology  
Society for Conservation Biology  
American Institute of Biological Sciences  
American Ornithologists Union  
Society of Ecological Restoration International

## PEER REVIEW

Associate Editor:  
Landscape Ecology

Ad Hoc Reviewer:

American Midland Naturalist	Ecosystems
Biological Conservation	Journal of Environmental Management
Biological Invasions	Journal of the Torrey Botanical Society
Bioscience	Landscape and Urban Planning
Condor	Restoration Ecology (former Assoc. Ed.)
Conservation Biology	Studies in Avian Biology
Conservation Ecology	Trends in Ecology and Evolution
Ecological Applications	Urban Ecosystems
Ecology	Wildlife Society Bulletin
Ecoscience	Wilson Bulletin
Ecosphere	

## RESEARCH SUPPORT

Miller, J.R., D.M. Debinski, L. Wright Morton, and W. Schacht. Adaptive management of invasive species to enhance agro-ecosystem services in grasslands. USDA AFRI \$439,893 (2016-2019).

Debinski, D.M., C. Anderson, H. Feng, and **J.R. Miller**. Climate change adaption in grassland agroecosystems. The Leopold Center for Sustainable Agriculture \$90,000 (2016-2018).

Coon, J.J., **J.R. Miller**, S.B. Nelson, L. Wright Morton. Agricultural, ecological, and social responses to an invasive grass and its removal in working Midwestern grasslands. USDA North-Central Region Sustainable Agriculture, Research, and Education (SARE) \$9,977 (2015-2018).

- Reeder, K., M. Alleger, **J.R. Miller**, D.M. Debinski, L. Wright Morton. Adaptive management in working landscapes to provide habitat for species of greatest conservation need. U.S. Fish and Wildlife Service State Wildlife Grant – National Competition \$498,891 (2013-2016).
- Miller, J.R. Examination of the factors influencing selection of forested stopover habitats by migrant songbirds in a highly fragmented agricultural landscape. McIntire-Stennis \$49,801 (2013-2015).
- Miller, J.R., and B.F. Allan. Forest fragmentation, wildlife habitat use, and the geographic expansion of Lyme disease. University of Illinois, College of ACES \$38,973 (2013-2014).
- Miller, J.R. Exploring the relationship between avian habitat use and the establishment of ticks and tick-borne pathogens in central Illinois. University of Illinois, College of ACES \$13,236 (2012).
- Lyons, T., and **J.R. Miller**. Identifying predator-specific patterns of nest loss in fragmented grasslands. Iowa Department of Natural Resources \$900. (2012-2013).
- Miller, J.R. Assessing the effects of habitat restoration on woodland songbirds in the Chicago area. University of Illinois Research Board \$20,640 (2011-2012).
- Harr, R.N., **J.R. Miller**, D.M. Engle. Quantifying eastern redcedar (*Juniperus virginiana*) in southern Iowa: a starting point for conversations with landowners about threats to grassland resilience. The Leopold Center for Sustainable Agriculture \$23,475 (2011-2012).
- Debinski, D.M., **J.R. Miller**, D.M. Engle, L.W. Morton, and R.N. Harr. The use of fire and grazing to improve habitats for species of greatest conservation need. U.S. Fish and Wildlife Service State Wildlife Grant – National Competition \$732,904 (2010-2013)
- Miller, J.R., and T.J. Hovick. Determining postfledging survival and habitat use in Grasshopper Sparrows (*Ammodramus savannarum*). Iowa Department of Natural Resources \$2,500 (2009-2010).
- Miller, J.R., F.C. Pillsbury, and R.N. Harr. Effect of a fire-grazing interaction on Henslow's Sparrow (*Ammodramus henslowii*) habitat use and nest success on southern Iowa and northern Missouri grasslands. U.S. Fish and Wildlife Service Region 3 Migratory Bird Conservation Program \$23,300 (2008-2009).

- Miller, J.R., and D.M. Engle. Enhancing bird habitat with grass-based production systems. Subcontract with Practical Farmers of Iowa \$30,000. 2008-2009. (National Fish and Wildlife Foundation, total award \$186,900)
- Morton, L.W., **J.R. Miller**, and D.M. Engle. The landowners' decision: grazing and fire as a management tools on Iowa grasslands and oak savannas. The Leopold Center for Sustainable Agriculture \$60,000 (2007-2010).
- Miller, J.R., D.M. Engle, and D.M. Debinski. The use of cattle-grazing and fire as management tools to maintain biodiversity on grassland reserves in southern Iowa. Iowa Department of Natural Resources State Wildlife Grant \$424,369 (2006-2010).
- Fuhlendorf, S.D., D.M. Engle, **J.R. Miller**, K.R. Hickman, and D.M. Debinski. Restoration of evolutionary fire-grazing interactions to limit invasion of exotic forages in the central grasslands. USDA National Research Initiative \$499,874 (2006-2010).
- Miller, J.R., and D.M. Engle. Devising a framework for implementing grazing and fire as management tools on grassland reserves in southern Iowa. The Leopold Center for Sustainable Agriculture \$22,147 (2006-2007).
- Miller, J.R. Avian habitat use of upland forests in southeast Minnesota's Blufflands. Minnesota Department of Natural Resources State Wildlife Grant \$39,814 (2006-2007).
- Miller, J.R., and L.A. Schulte. Response of forest birds to changes in land use/land cover in the Driftless Area of northeastern Iowa. Iowa Department of Natural Resources State Wildlife Grant \$149,964 (2005-2007).
- Miller, J.R. Landscape ecological assessment of compensatory wetland mitigation. Subcontract with Iowa Department of Transportation \$85,202. 2005-2007. (omnibus proposal "Ecological assessment of compensatory wetland mitigation", U.S. EPA Region 7, total award \$532,719)
- Schulte, L.A., and **J.R. Miller**. Invasibility and restoration of oak ecosystems in the Midwest Driftless Area. U.S. Forest Service \$129,644 (2004-2009).
- Leslie, T., J. Alread, T.L. Clapp, A. Kyber, **J. Miller**, J. Muench, L. Paxson, C. Rogers, and M. Torres-Antonini. Design Science and Design for Society. Iowa State University Miller Grant (course development) \$24,960 (2004-2005).

- Miller, J.R. The contribution of nature reserves to the conservation of biodiversity in a rapidly urbanizing region. Iowa State University Research Grant \$16,000 (2004-2005).
- Miller, J.R., S.A. Snyder, and R.G. Haight. Prioritizing metropolitan open space protection in a changing landscape. U.S. Forest Service \$53,157 (2004-2006).
- Debinski, D.M., **J.R. Miller**, and R. Koford. Effects of prairie restoration using fire and grazing regimes on butterfly communities of Iowa's Loess Hills. Iowa Department of Natural Resources State Wildlife Grant \$98,542 (2004-2006).
- Miller, J.R. Avian response to prairie restoration in the Loess Hills of Western Iowa. Iowa Department of Natural Resources State Wildlife Grant \$69,026 (2003-2005).
- Miller, J.R., and J.A. Wiens. Effects of changing land use on wildlife diversity. Colorado Division of Wildlife \$66,651 (1995-1997).
- Miller, J.R., J.A. Wiens, and N.T. Hobbs. Avian diversity and predator assemblages in lowland riparian areas across a gradient of urbanization. City of Boulder Open Space Department \$18,379 (1995-1997).

**PUBLICATIONS** (Mentored student authors are underlined)

**Refereed journal articles** (n=69)

- Delaney, J.T., R.A. Moranz, D.M. Debinski, D.M. Engle, and **J.R. Miller**. Exotic-dominated grasslands show signs of recovery with cattle grazing and fire. **PLoS ONE**. *In Press*.
- Scasta, J.D., C.J. Duchardt, D.M. Engle, **J.R. Miller**, D.M. Debinski, and R.N. Harr. 2016. Constraints to restoring fire and grazing ecological processes to optimize grassland vegetation structural diversity. **Ecological Engineering** 95:865-875.
- Miller, J.R., and B.T. Bestelmeyer. 2016. What's wrong with novel ecosystems, really? **Restoration Ecology** 24:577-582. (Editor's choice)
- Duchardt, C.J., **J.R. Miller**, D.M. Debinski, and D.M. Engle. 2016. Adapting the fire-grazing interaction to small patches in a fragmented landscape for grassland bird conservation. **Rangeland Ecology and Management** 69:300-309.
- McGranahan, D.A., T. Hovick, D. Elmore, D.M. Engle, S.D. Fuhlendorf, S.L. Winter, **J.R. Miller**, and D.M. Debinski. 2016. Temporal variability in aboveground biomass decreases as spatial heterogeneity increases. **Ecology** 97:555-560.

- Smith, G.W., D.M. Debinski, N.A. Scavo, C.J. Lange, J.T. Delaney, R.A. Moranz, **J.R. Miller**, D.M. Engle, and A.L. Toth. 2016. Bee abundance and nutritional status in relation to grassland management practices in an agricultural landscape. **Environmental Entomology** 45:338-347.
- Hovick, T.J., and **J.R. Miller**. 2016. Management stabilizes eastern meadowlark nest survival in fragmented Midwestern grasslands. **American Midland Naturalist** 176:72-80.
- Fischer, J.D., S.C. Schneider, A.A. Ahlers, and **J.R. Miller**. 2015. Categorizing wildlife responses to urbanization and conservation implications of terminology. **Conservation Biology** 39:1246-1248.
- Fischer, J.D., and **J.R. Miller**. 2015. Direct and indirect effects of anthropogenic bird food on population dynamics of a songbird. **Acta Oecologica** 69:46-51.
- Lyons, T.P., **J.R. Miller**, D.M. Engle, and D.M. Debinski. 2015. Predator identity influences the effect of habitat management on nest predation. **Ecological Applications** 25:1596-1605.
- Schneider, S., C. Roy, P. Fredericks, **J. Miller**, and B. Allan. 2015. Assessing the contribution of songbirds to the movement of ticks and tick-borne pathogens in the Midwestern USA during fall migration. **Ecohealth** 12:164-173.
- Schneider, S.C., J.D. Fischer, and **J.R. Miller**. 2015. Two-sided edge response of avian assemblages in an urban landscape. **Urban Ecosystems** 18:539-551.
- McGranahan, D.A., D.M. Engle, J.T. Mulloy, **J.R. Miller**, and D.M. Debinski. 2015. Land use history and an invasive grass affect tallgrass prairie sedge community composition in upland grassland. **Applied Vegetation Science** 18:209-219.
- Hudson, L., T. Newbold, **J.R. Miller**, and others. 2014. The PREDICTS database: A global database of how local terrestrial biodiversity responds to human impacts. **Ecology and Evolution** 4:4701-4735.
- McGranahan, D.A., A. Daigh, J.J. Veenstra, D.M. Engle, **J.R. Miller**, and D.D. Debinski. 2014. Connecting soil organic carbon and root biomass with land use and vegetation in temperate grassland. **Scientific World Journal** DOI:10.1155/2014/487563.
- Cleeton, S.H., and **J.R. Miller**. 2014. Assessing the response of woodland songbirds to invasive vegetation in a metropolitan environment. **Condor** 116:459-471.

- Harr, R.N., Morton, L. Wright, S.R. Rusk, D.M. Engle, **J.R. Miller**, and D.M. Debinski. 2014. Landowners' perceptions of risk in grassland management: Woody plant encroachment and prescribed fire. **Ecology and Society** 19(2):41.
- Frasz, L.M., J.D. Fischer, and **J.R. Miller**. 2014. Effects of experience and a visual aid on ptilochronology. **Journal of Ornithology** 155:319-322.
- Hovick, T.J., and **J.R. Miller**. 2013. Heterogeneity at multiple scales influences parasitism rates of a grassland bird. **Landscape Ecology** 28:1493-1503.
- Moranz, R.A., D.M. Debinski, L. Winkler, J. Trager, D.A. McGranahan, D.M. Engle, and **J.R. Miller**. 2013. Effects of grassland management practices on ant functional groups. **Journal of Insect Conservation** 17:699-713.
- Moranz, R.A., D.M. Debinski, D.A. McGranahan, D.M. Engle, and **J.R. Miller**. 2013. Untangling the effects of fire, grazing, and land-use legacies on prairie butterfly communities. **Biodiversity and Conservation** 21:2719-2746.
- McGranahan, D.A., D.M. Engle, S.D. Fuhlendorf, **J.R. Miller**, D.M. Debinski. 2013. Multivariate analysis of rangeland vegetation and soil organic carbon describes degradation, informs restoration and conservation. **Land** 2:328-350.
- Standish, R., R. Hobbs, and **J. Miller**. 2013. Improving city life: options for ecological restoration in urban landscapes and how these influence interactions between humans and nature. **Landscape Ecology** 28:1213-1221(invited paper).
- McGranahan, D.A., D.M. Engle, S.D. Fuhlendorf, S.L. Winter, **J.R. Miller** and D.M. Debinski. 2013. Inconsistent outcomes of heterogeneity-based management underscore importance of matching evaluation to conservation objectives. **Environmental Science & Policy** 31:53–60.
- McGranahan, D.A., D.M. Engle, **J.R. Miller**, and D.M. Debinski. 2013. An invasive grass increases live fuel proportion and reduces fire spread in a simulated grassland. **Ecosystems** 16:158-169.
- Miller, J.R. 2012. Avian conservation in urban environments – what do ecologists bring to the table? **Studies in Avian Biology** 45:201-214. (invited paper)
- McGranahan, D.A., D.M. Engle, B.J. Wilsey, S.D. Fuhlendorf, **J.R. Miller**, and D.M. Debinski. 2012. Grazing and an invasive grass confound spatial pattern of exotic and native grassland plant species richness. **Basic and Applied Ecology** 13:654-662.

- Fischer, J.D., S.H. Cleeton, T.P. Lyons, and J.R. Miller. 2012. Urbanization and the predation paradox: the role of trophic dynamics in structuring wildlife communities. **Bioscience** 62:809-818.
- McGranahan, D.A., D.M. Engle, S.D. Fuhlendorf, S.J. Winter, **J.R. Miller**, and D.M. Debinski. 2012. Spatial heterogeneity across five rangelands managed with pyric herbivory. **Journal of Applied Ecology** 49:903-910.
- LeBrun, J.J., W.E. Thogmartin, and J.R. Miller. 2012. Examining the ability of regional models to predict local avian abundance. **Journal of Wildlife Management** 76:1177-1187.
- McGranahan, D.A., D.M. Engle, S.D. Fuhlendorf, **J.R. Miller**, and D.M. Debinski. 2012. An invasive cool-season grass complicates prescribed fire management in a native warm-season grassland. **Natural Areas Journal** 32:208-214.
- Miller, J.R., D.M. Engle, L. Wright Morton, D.M. Debinski, and R.N. Harr. 2012. Nature reserves as catalysts for landscape change. **Frontiers in Ecology and the Environment** 10:144-152.
- Hovick, T.M., J.R. Miller, S.J. Dinsmore, D.M. Engle, D.M. Debinski, and S.D. Fuhlendorf. 2012. Effects of fire and grazing on grasshopper sparrow nest survival in a fragmented landscape. **Journal of Wildlife Management** 76:19-27.
- Debinski, D.M., R.A. Moranz, J.T. Delaney, **J.R. Miller**, D.M. Engle, A.L. Stephenson, M.K. Gillespie, L.B. Winkler, D.A. McGranahan, J.C. Trager, and R.J. Barney. 2011. A cross-taxonomic comparison of insect responses to grassland management and land-use legacies. **Ecosphere** 2(12): Article 131.
- Hovick, T.M., J.R. Miller, R.R. Koford, D.M. Engle, and D.M. Debinski. 2011. Postfledging survival of Grasshopper Sparrows in grasslands managed with fire and grazing. **Condor** 113:429-437.
- Pillsbury, F.C., J.R. Miller, D.M. Debinski, and D.M. Engle. 2011. Another tool in the toolbox? Using fire and grazing to promote bird diversity in highly fragmented grasslands. **Ecosphere** 2(3): article 28.
- Morton, L. Wright, E. Regen, D.M. Engle, **J.R. Miller**, and R.N. Harr. 2010. Perceptions of landowners concerning conservation grazing, fire, and eastern redcedar management in tallgrass prairie. **Rangeland Ecology and Management** 63:645-654.

- Miller, J.R., S.A. Snyder, A.M. Skibbe, and R.G. Haight. 2009. Prioritizing conservation targets in a rapidly urbanizing landscape. **Landscape and Urban Planning** 93:123-131.
- Thompson, J.R., G.R. Hess, T.A. Bowman, H. Magnusdottir, C.E. Stubbs-Gipson, M. Groom, **J.R. Miller**, T.A. Steelman, and D.L. Stokes. 2009. Collaborative graduate education across multiple campuses. **Journal of Natural Resources and Life Sciences Education** 38:16-26.
- Tóth, S.F., R.G. Haight, S.A. Snyder, S. George, **J.R. Miller**, M. Gregory, and A.M. Skibbe. 2009. Reserve selection with minimum contiguous area restrictions: an application to open space protection planning in suburban Chicago. **Biological Conservation** 142:1617-1627.
- Miller, J.R., M. Groom, G.R. Hess, T.A. Steelman, D.L. Stokes, J.R. Thompson, T.A. Bowman, L. Fricke, B. King, and R. Marquardt. 2009. Biodiversity conservation in local planning. **Conservation Biology** 23:53-63.
- Pillsbury, F.C., and **J.R. Miller**. 2008. Habitat and landscape characteristics underlying anuran community structure along an urban-rural gradient. **Ecological Applications** 18:1107-1118.
- Skibbe, A.M., and **J.R. Miller**. 2008. Alternative future scenarios for open space protection in Kane County, Illinois. **Journal of Conservation Planning** 4:19-36.
- Miller, J.R. 2008. Conserving biodiversity in metropolitan landscapes: a matter of scale (but which scale?). **Landscape Journal** 27:114-126. (invited paper)
- Lindemayer, D., R. Hobbs, **J. Miller**, and others. 2008. A checklist for ecological management of landscapes for conservation. **Ecology Letters** 11:78-91.
- Miller, J.R. 2007. Habitat and landscape design: concepts, constraints, and opportunities. Pages 75-89 in D.M. Lindenmayer and R.J. Hobbs, editors. **Managing and Designing Landscapes for Conservation: Moving from Perspectives to Principles**. Blackwell Publishing, Oxford, UK.
- Snyder, S.A., **J.R. Miller**, A.M. Skibbe, and R.G. Haight. 2007. Habitat acquisition strategies for grassland birds in an urbanizing landscape. **Environmental Management** 40:981-992.
- Vogel, J.A., D.M. Debinski, R.R. Koford, and **J.R. Miller**. 2007. Butterfly responses to prairie restoration through fire and grazing. **Biological Conservation** 140:78-90.

- Miller, J.R., and R.J. Hobbs. 2007. Habitat restoration – do we know what we’re doing? **Restoration Ecology** 15:382-390.
- Brudvig, L., C.M. McMullen, **J. R. Miller**, and T.A. Walker. 2007. Evaluation of central North American prairie management based on species diversity, lifeform, and individual species metrics. **Conservation Biology** 21:864-874.
- Miller, J.R. 2006. A reply to Mehtälä and Vuorisalo: changing values or wishful thinking? **Trends in Ecology and Evolution** 21:116-117.
- Miller, J.R. 2006. Restoration, reconciliation, and reconnecting with nature nearby. **Biological Conservation** 127:356-361. (invited paper)
- Miller, J.R. 2005. Biodiversity conservation and the extinction of experience. **Trends in Ecology and Evolution** 20:430-434. (invited paper)
- Miller, J.R., M.D. Dixon, and M.G. Turner. 2004. Response of avian communities in large-river floodplains to environmental variation at multiple scales. **Ecological Applications** 14:1394-1410.
- Turner, M.G., S.E. Gergel, M.D. Dixon, and **J.R. Miller**. 2004. Distribution and abundance of trees in floodplain forests of the Wisconsin River: environmental influences at different scales. **Journal of Vegetation Science** 15:729-738.
- Miller, J.R., M.M. Wagner, and R. Nelson. 2004. Ecology and education in landscape architecture. **Landscape Review** 9:167-170.
- Miller, J.R., M.G. Turner, E.H. Stanley, E.A.H. Smithwick, and L.C. Dent. 2004. Spatial extrapolation: the science of predicting ecological patterns and processes. **BioScience** 54:310-320.
- Bestelmeyer, B.T., **J.R. Miller**, and J.A. Wiens. 2003. Applying species diversity theory to land management. **Ecological Applications** 13:1750-1761.
- Miller, J.R., J.A. Wiens, N.T. Hobbs, and D.M. Theobald. 2003. The effect of human settlement on bird communities in lowland riparian areas of Colorado (USA). **Ecological Applications** 13:1041-1059.
- Gergel, S.E., M.G. Turner, **J.R. Miller**, J.M. Melack, and E.H. Stanley. 2002. Landscape indicators of human impacts on riverine systems. **Aquatic Science** 64:118-128.
- Miller, J.R., and R.J. Hobbs. 2002. Conservation where people live and work. **Conservation Biology** 16:330-337.

- Miller, J.R., and P. Cale. 2000. Behavioral mechanisms and habitat use by birds in a fragmented agricultural landscape. **Ecological Applications** 10:1732-1748.
- Miller, J.R., and N.T. Hobbs. 2000. Recreational trails, human activity, and nest predation in lowland riparian areas. **Landscape and Urban Planning** 50:227-236.
- Theobald, D.M., **J.R. Miller**, and N.T. Hobbs. 1997. Estimating the cumulative effects of development on wildlife habitat. **Landscape and Urban Planning** 39:25-36.
- Duerksen, C.J., D.L. Elliott, N.T. Hobbs, E. Johnson, and **J.R. Miller**. 1997. **Habitat Protection Planning: Where the Wild Things Are**. American Planning Association Planning Advisory Service Report 470/471, Chicago.
- Miller, J.R., L.A. Joyce, R.L. Knight, and R.M. King. 1996. Landscape patterns and road density in the Southern Rocky Mountains. **Landscape Ecology** 11:115-127.
- Elliot, D., C. Duerksen, N.T. Hobbs, and **J.R. Miller**. 1996. **Managing Landscapes for Wildlife and People: A Habitat Protection Handbook**. Clarion Associates, Denver, Colorado.
- Miller, J. R., T.T. Schulz, N.T. Hobbs, K.R. Wilson, D.L. Schrupp, and W.L. Baker. 1995. Changes in the landscape structure of a southeastern Wyoming riparian zone following shifts in stream dynamics. **Biological Conservation** 72:371-379.
- Miller, J.R., and N.T. Hobbs. 1994. Effect of forage hydration on lag time during *in vitro* digestion of meadowgrass hay. **Grass and Forage Science** 49:107-110.

### Refereed Book Chapters

- Miller, J.R., J.M. Fraterrigo, N.T. Hobbs, D.M. Theobald, and J.A. Wiens. 2001. Urbanization, avian communities, and landscape ecology. Pages 117-137 in J. M. Marzluff, R. Bowman, R. McGowan, and R. Donnelly, editors. **Avian Ecology and Conservation in an Urbanizing World**. Kluwer, New York.
- Miller, J.R., J.A. Wiens, and N.T. Hobbs. 2000. How does urbanization affect bird communities in riparian habitats? An approach and preliminary assessment. Pages 427-440 in J. Craig, N. Mitchell, and D. Saunders, editors. **Nature Conservation in Production Environments: Managing the Matrix**. Surrey Beatty and Sons, Chipping Norton, New South Wales.

### Book Reviews

- Miller, J.R. 2013. Ecology of Cities and Towns: A Comparative Approach. **Landscape Ecology** 28:161-162.

## Unrefereed

Cleeton, S.H., and **J.R. Miller**. 2011. Impacts of habitat restoration on songbirds in Chicago area forest preserves. **Meadowlark** 20:42-46.

Fischer, J.D., and **J.R. Miller**. 2012. Does body condition explain patterns of songbird density in response to urbanization? **Meadowlark** 21: 42-44.

## In Review

Coon, J.J., S.B. Nelson, A.C. West, I.A. Bradley, and J.R. Miller. Parental infanticide in Dickcissels (*Spiza Americana*): A review of video evidence and potential mechanisms. *Wilson Journal of Ornithology*.

Hudson, L., T. Newbold, **J.R. Miller**, and others. The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Ecosystems) Project. *Ecology and Evolution*.

Kane, K., D. Debinski, D. Scasta, C. Anderson, D. Engle, and **J. Miller**. Using regional climate projects to guide grassland community restoration in the face of climate change. *Frontiers in Plant Science*.

Parker, C.M., J.R. Miller, and B.F. Allan. The influence of avian traits and habitat characteristics on tick infestation. *Journal of Medical Entomology*.

## In Revision

Nelson, S.B., J.J. Coon, C.J. Duchardt, J.D. Fischer, S.J. Halsey, A.J. Kranz, C.M. Parker, S.C. Schneider, T.M. Swartz, and J.R. Miller. A systematic review of invasive plant impacts on avian ecology in North America. *Biological Invasions*.

## In Prep

Parker, C.M., J.D. Fischer, and J.R. Miller. Stopover dynamics of migratory birds in the agricultural Midwest. *Landscape Ecology*.

## INVITED SEMINARS

Miller, J.R. Effects of grassland prescribed fire on bird habitat. Illinois Prescribed Fire Council. February 2016, Champaign, Illinois.

- Miller, J.R. Multi-scale heterogeneity and grassland birds: Some simplistic generalizations relating structural complexity to avian community attributes. **Ninth World Congress of the International Association of Landscape Ecology**, August 2015, Portland, Oregon.
- Debinski, D.M. **J.R. Miller**, W. Schacht and L. Wright-Morton. 2015. Adaptive management in working landscapes to provide habitat for species of greatest conservation need. **Iowa Department of Natural Resources**, June 2015, Boone, Iowa.
- Bestelmeyer, B.T., and **J.R. Miller**. Collaborative adaptive landscape management (CALM) in rangelands. **Society for Range Management 68<sup>th</sup> Annual Meeting**, January 2015, Sacramento, California.
- Miller, J.R., C.J. Duchardt, T.J. Hovick, T.P. Lyons, F.C. Pillsbury, D.M. Debinski, and D.M. Engle. Avian response to the fire-grazing interaction in grasslands of the upper Midwest. **Annual meeting of the American Ornithologists' Union (132nd Stated Meeting), the Cooper Ornithological Society (84th Stated Meeting), and the Society of Canadian Ornithologists**, September 2014, Estes Park, Colorado.
- Miller, J.R. Beyond protection: Reconsidering the role of reserves in grassland conservation. **Society for Ecological Restoration International 5<sup>th</sup> World Conference on Restoration**, October 2013, Madison, Wisconsin.
- Miller, J.R. Biodiversity conservation and the politics of change in North America's grasslands. **Department of Biology, Purdue University – Calumet**. September 2013.
- Miller, J.R., L.W. Morton, D.M. Engle, D.M. Debinski, R.N. Harr, and S.R. Rusk. Both sides now: Forging links between grassland conservation on protected areas and private lands. **98th Annual Meeting of the Ecological Society of America**, Minneapolis, Minnesota, August 2013.
- Miller, J.R. Lessons from Leopold: Conservation and the politics of change in North America's grasslands. **Department of Natural Resources and Environmental Sciences Seminar Series**, November 2012, University of Illinois.
- Miller, J.R. Nature reserves as catalysts for landscape change. **North America Congress for Conservation Biology**, July 2012, Oakland, California.
- Miller, J.R. Beyond protection: Reconsidering the role of nature reserves in the 21st century. **Department of Biological Sciences, Purdue University**, April 2012, Lafayette, Indiana.

- Miller, J.R. Restoration in a cultural landscape. **Society for Ecological Restoration International 4<sup>th</sup> World Conference on Restoration**, August 2011, Merida, Mexico.
- Miller, J.R., L.W. Morton, D.M. Engle, D.M. Debinski, and R.N. Harr. The reserves-as-catalysts model: Expanding the role of protected areas. **Society for Range Management 63<sup>rd</sup> Annual Meeting**, February 2010, Denver, Colorado.
- Miller, J.R. Cities, human well-being, and the future of biodiversity. **Urban Wildlife Ecology & Management: An International Symposium on Urban Wildlife & the Environment**, June 2009, University of Massachusetts, Amherst. (plenary address)
- Miller, J.R., L. Wright Morton, D. Engle, D. Debinski, and R. Harr. Ecological restoration as a catalyst for landscape change. **U.S. Regional Association of the International Association for Landscape Ecology 24<sup>th</sup> Annual Symposium**, April 2009, Snowbird, Utah.
- Miller, J.R. Conservation ecology and the urban-rural gradient: A matter of scale (but which one?). **Department of Natural Resources and Environmental Sciences, University of Illinois**, Urbana, May 2007.
- Miller, J.R. Solution science: Linking sustainability, biodiversity, and human well-being in the metropolitan landscape. **Department of Forestry and Environmental Resources, North Carolina State University**, Raleigh, March 2007.
- Miller, J.R. Avian research in urban environments – what are we recommending to land managers? **Wings Without Borders: IV North American Ornithological Conference**, Veracruz, Mexico, October 2006.
- Miller, J.R. Habitat and landscape design: Concepts, constraints, and opportunities. **Vegetation Management and Landscape Design: From Principles to Practice Workshop, Land and Water Australia**, Bowral, New South Wales, March 2006.
- Miller, J.R., and T.A. Walker. Response of grassland birds to prairie restoration in the Loess Hills, Iowa. **Iowa Department of Natural Resources Wildlife Bureau Statewide Meeting, Springbrook Conservation Education Center**, Guthrie County Iowa, February 2005.
- Miller, J.R. Conservation subdivisions: What's being conserved? **Iowa Chapter of the American Society of Landscape Architects Fall Conference, Reiman Gardens**, Ames, IA, September 2004.

- Miller, J.R. Biotic homogenization and the scale of human experience. **Society for Conservation Biology's 18<sup>th</sup> Annual Meeting, Columbia University**, New York City, July 2004.
- Miller, J.R. Restoration, reconciliation, and reconnecting to nature nearby. **School of Environmental Science, Murdoch University**, Perth, Australia, July 2004.
- Miller, J.R. Development of a survey instrument for conservation subdivisions. **Implementing Low-impact Development Workshop, The Urban Resources and Borderland Alliance Network**, Johnston, Iowa, February 2004.
- Miller, J.R., M.D. Dixon, and M.G. Turner. Response of avian communities in large-river floodplains to environmental variation at multiple scales. **Department of Natural Resource Ecology and Management Seminar Series, Iowa State University**, Ames, Iowa, November 2002.
- Miller, J.R., M.G. Turner, E.H. Stanley, M.D. Dixon, and S.E. Gergel. Ecological indicators for large-river floodplains. **U.S. Environmental Protection Agency EMAP Symposium**, Kansas City, Missouri, May 2002.
- Miller, J.R. Effects of land use on forest birds of the Wisconsin River floodplain. **U.S.G.S. Upper Midwest Environmental Sciences Center**, La Crosse, Wisconsin, October 2001.
- Miller, J.R. Habitat fragmentation and forest bird communities of the Wisconsin River floodplain: does the paradigm fit? **University of Wisconsin – Madison, Zoology Department Colloquium**, September 2001.
- Miller, J.R. The effect of human settlement on bird communities in riparian woodlands. **University of Georgia, Warnell School of Forest Resources**, May 2001.
- Miller, J.R. Human settlement and bird communities in riparian woodlands. **Iowa State University, Department of Landscape Architecture**, May 2001.
- Miller, J.R. The effect of human settlement on riparian birds. **University of New Orleans, Biology Department**, February 2001.
- Miller, J.R. Landscape ecology. **Wildlife Conservation Society - Landscape Species Workshop**, White Oak, Florida, May 2000.
- Miller, J.R. Avian response to habitat fragmentation in Western Australia. **National Audubon Society**, Fort Collins, Colorado, November 1998.

Miller, J.R. Riparian bird communities along the Front Range of Colorado, U.S.A.: The effect of urbanization. **CSIRO Division of Wildlife and Ecology, Gungahlin (A.C.T.), and regional laboratories at Perth (Western Australia) and Alice Springs (Northern Territory)**, Australia, April 1998.

Miller, J.R. Bird communities in riparian areas and urbanization along Colorado's Front Range. **University of Colorado**, Boulder, October 1995.

Miller, J.R. Effects of human population density on bird communities in riparian zones. **Colorado Division of Wildlife, State-Wide Habitat Biologists Coordination Meeting**, Grand Junction, January 1995.

#### **CONFERENCE PRESENTATIONS (Mentored student authors are underlined)**

Halsey, S.J., and **J.R. Miller**. Host diversity and population dynamics of *Ixodes scapularis* populations: A meta-analysis. **101st Annual Meeting of the Ecological Society of America**, Fort Lauderdale, Florida. August 2016 (poster presentation).

Allan, B., N. Pawlikowski, A. Gardner, S. Hamer, G. Hickling, **J. Miller**, A. Schotthoefer, and J. Tsao. Invasion of the BLTs: Patterns and mechanisms of the geographic expansion of Lyme disease in the Midwestern U.S. **45<sup>th</sup> International Congress of Entomology**, Orlando, Florida. September 2016. (oral presentation).

Halsey, S.J., and **J.R. Miller**. Using models to understand Lyme disease ecology. **2016 Illinois Summer Research Symposium**, Champaign, Illinois. July 2016. (oral presentation)

Rola, K.E., J.J. Coon, and J.R. Miller. Effects of arthropod abundance within dickcissel (*Spiza americana*) territories on nestling body condition. **Midwest Ecology and Evolution Conference**, Oxford, Ohio. March 2016. (poster presentation).

Halsey, S.J., and **J.R. Miller**. Using individual-based modeling to depict tick-environment-host associations. **Midwest Ecology and Evolution Conference**, Oxford, Ohio. March 2016. (oral presentation).

Halsey, S.J., and **J.R. Miller**. A community modeling approach to understanding the ecology of Lyme disease. **18<sup>th</sup> Annual GEEB (Graduate Students in Ecology and Evolutionary Biology) Symposium**, Urbana, Illinois. February 2016. (oral presentation)

- Coon, J.J., and **J.R. Miller**. Tall fescue as a dual ecological-agricultural problem: The effects of an invasive grass on avian communities in an agricultural landscape. **18<sup>th</sup> Annual GEEB Symposium**, Urbana, Illinois. February 2016 (poster presentation; awarded best poster prize).
- Nelson, S., D. Jen, and **J. Miller**. (February, 2016). The spatial and territorial dynamics of male dickcissels (*Spiza americana*) throughout their breeding cycle. **18<sup>th</sup> Annual GEEB (Graduate Students in Ecology and Evolutionary Biology) Symposium**, Urbana, Illinois. February 2016. (poster presentation)
- McGranahan, D.A., T. Hovick, S. Fuhlendorf, D. Elmore, D. Engle, S. Winter, **J. Miller**, and D. Debinski. Patchiness reduces temporal variability in aboveground biomass: Landscape-level diversity-stability in grasslands. **100<sup>th</sup> Annual Meeting of the Ecological Society of America**, Baltimore, Maryland. August 2015 (oral presentation).
- Moranz, R.A., D.M. Debinski, D.M. Engle, and **J.R. Miller**. Effects of time since fire on flower production of a key nectar source, butterfly milkweed (*Asclepias tuberosa*). **100<sup>th</sup> Annual Meeting of the Ecological Society of America**, Baltimore, Maryland. August 2015 (oral presentation).
- Hedlund, T., L.P. Fredericks, L. Lehrer, S. Magle, **J. Miller**, and B. Allan. The expanding distribution of Lyme disease in the Chicago metropolitan region. **The International Urban Wildlife Conference**, Lincoln Park Zoo, Chicago, Illinois. May 2015 (oral presentation).
- Nelson, S., and **J. Miller**. Adaptive habitat selection in birds is complicated by tradeoffs among different components of fitness. **The 75<sup>th</sup> Annual Midwest Fish and Wildlife Conference**, Indianapolis, Indiana. February 2015 (oral presentation).
- Parker, C.M., **Miller, J.R.**, and Allan, B.F. Some birds are total tick magnets: Variation in avian life-history and ecological traits influence tick infestation. **The 75<sup>th</sup> Annual Midwest Fish and Wildlife Conference**, Indianapolis, Indiana. February 2015 (oral presentation).
- Debinski, D.M., J. Delaney, R. Moranz, **J. Miller**, D. Engle, and L. Wright Morton. 2014. Grassland management for pollinators in a working landscape: Ecological and sociological challenges and successes. **62<sup>nd</sup> Annual Meeting of the Entomological Society of America**, Portland, Oregon. November 2014. (invited presentation)

Roy, C.M., S.C. Schneider, B.F. Allan, and J.R. Miller. The influence of avian life-history and ecological traits on tick infestation of birds. Poster presentation at the **Joint Meeting of the Association of Field Ornithologists and the Wilson Ornithological Society**, Newport, Rhode Island, 2014 (poster presentation).

Duchardt, C.J., J.R. Miller, D.M. Engle, and D.M. Debinski. Can the fire-grazing interaction be used to increase grassland bird diversity in highly fragmented landscapes? **74<sup>th</sup> Midwest Fish and Wildlife Conference**, Kansas City, Missouri, January 2014 (oral presentation).

Lyons, T.P., J.R. Miller, D.D. Debinski, and D.M. Engle. Predator-specific responses to habitat management in fragmented grasslands. **74<sup>th</sup> Midwest Fish and Wildlife Conference**, Kansas City, Missouri, January 2014 (oral presentation).

Delaney, J.T., D.M. Debinski, R.A. Moranz, D.M. Engle, and J.R. Miller. 2014 Overcoming land-use legacies in grasslands through restoration of fire and grazing. **74<sup>th</sup> Midwest Fish and Wildlife Conference**, Kansas City, Missouri, January 2014 (oral presentation).

Schneider, S.C., C.M. Roy, J.R. Miller, L.P. Fredericks, and B.F. Allan. Assessing the contribution of songbirds to the movement of ticks and tick-borne pathogens in Illinois during fall migration. **59<sup>th</sup> Annual Meeting of the Illinois Mosquito and Vector Control Association**, Springfield, Illinois, November 2013 (oral presentation). *Best Student Presentation Award*

Cleeton, S.H., C.M. Roy, J.R. Miller, L.P. Fredericks, and B.F. Allan. Assessing the contribution of migrating songbirds to the southward expansion of Lyme disease in the Midwestern US. **131<sup>st</sup> Annual American Ornithologist's Union and 83<sup>rd</sup> Annual Cooper Ornithological Society joint meeting**, Chicago, Illinois. August, 2013 (poster presentation).

Duchardt, C.J., J.R. Miller, D.M. Debinski, and D.M. Engle. Nesting grassland birds and pyric-herbivory in the Grand River Grasslands. **131<sup>st</sup> Annual American Ornithologist's Union and 83<sup>rd</sup> Annual Cooper Ornithological Society joint meeting**, Chicago, Illinois. August, 2013 (poster presentation).

Hartland, R.H., J.D. Fischer, and J.R. Miller. The relationship between body condition and potential plumage signals in the American goldfinch across an urbanization gradient. **131<sup>st</sup> Annual American Ornithologists' Union and 83<sup>rd</sup> Annual Cooper Ornithological Society Joint Meeting**, Chicago, Illinois. August, 2013 (poster presentation).

Fischer, J.D., and **J.R. Miller**. Direct and indirect effects of supplemental food on house finch populations. **131<sup>st</sup> Annual American Ornithologists' Union and 83<sup>rd</sup> Annual Cooper Ornithological Society Joint Meeting**, Chicago, Illinois. August, 2013 (oral presentation).

D.M. Debinski, R.A. Moranz, J.T. Delaney, **J.R. Miller** and D.M. Engle. Insect responses to grassland restoration using fire and grazing: Short and longer-term perspectives. **98th Annual Meeting of the Ecological Society of America**, Minneapolis, Minnesota, August 2013. (oral presentation).

Kane, K., D.M. Debinski, C. Anderson, J.D. Scasta, D.M. Engle, and **J.R. Miller**. The projected effects of climate change on plant species distributions in tallgrass prairies of Iowa. **98th Annual Meeting of the Ecological Society of America**, Minneapolis, Minnesota, August 2013 (poster).

McGranahan, D.A., D.M. Engle, S.D. Fuhlendorf, S.L. Winter, **J.R. Miller**, D.M. Debinski. Spatially-heterogeneous fire regimes increase habitat diversity and reduce temporal variability in production on working rangeland. **Grassland Society of Southern Africa**, Molimolle, South Africa, July 2013 (oral presentation).

Duchardt, C.J., **J.R. Miller**, D.M. Debinski, D.M. Engle. Impacts of the Fire-Grazing Interaction on the Nesting Ecology of Grassland Birds. **33<sup>rd</sup> Annual Midwest Ecology and Evolution Conference**, University of Notre Dame, South Bend, Indiana, March 2013 (oral presentation).

Cleaton, S.H., C.M. Roy, **J.R. Miller**, and B.F. Allan. Exploring the role of migratory songbirds in the range expansion of the Lyme disease pathogen and its vector. **33<sup>rd</sup> Annual Midwest Ecology and Evolution Conference**, University of Notre Dame, South Bend, Indiana, March 2013 (oral presentation).

Roy, C.M., S.H. Cleaton, **J.R. Miller**, and B.F. Allan. The influence of avian life-history and ecological traits on tick infestation. **33<sup>rd</sup> Annual Midwest Ecology and Evolution Conference**, University of Notre Dame, South Bend, Indiana, March 2013 (oral presentation).

Roy, C.M., S.H. Cleaton, **J.R. Miller**, and B.F. Allan. Where do ticks fit into the budget of a migratory bird? **15<sup>th</sup> annual Graduate Students in Ecology and Evolutionary Biology Symposium**, University of Illinois - Urbana, February 2013 (oral presentation).

- Duchardt, C., **J.R. Miller**, D. Engle, and D. Debinski. Utilizing the fire-grazing interaction to manage grassland bird habitat in a fragmented landscape. **73rd Annual Midwest Fish and Wildlife Conference**, Wichita, Kansas. December 2012 (poster presentation).
- Cleeton, S.H., and **J.R. Miller**. Assessing the responses of woodland songbirds to exotic shrub invasions in the Chicago area. **8th Biennial Congress of the Chicago Wilderness Alliance**, Chicago, Illinois. November 2012 (oral presentation).
- Cleeton, S.H., and **J.R. Miller**. Changes in bird assemblages across forest-suburb edges in northeastern Illinois. **8th Biennial Congress of the Chicago Wilderness Alliance**, Chicago, Illinois. November 2012 (oral presentation).
- Roy, C.M., S.H. Cleeton, **J.R. Miller**, and B.F. Allan. Host-vector interactions in the Lyme disease system: The role of birds in *Ixodes scapularis* dispersal and infection. **Illinois Mosquito & Vector Control Association 58th Annual Meeting**, Urbana, Illinois. November 2012 (oral presentation).
- Delaney, J., D.M. Debinski, R. Moranz, D. Engle, and **J.R. Miller**. Butterfly responses to fire and grazing management. **Tallgrass Prairie and Oak Savanna Fire Science Consortium Conference**, Dubuque, Iowa, January 2013 (oral presentation).
- Lyons, T.P., and **J.R. Miller**. Effects of fire and grazing on predator-specific patterns of nest loss. **The Wildlife Society 19th Annual Conference**, Portland, Oregon, October 2012 (poster presentation).
- Fischer, J.D., and **J.R. Miller**. The impact of urbanization on daily feeding activity of songbirds: a test of foraging theory. **97th Annual Meeting of the Ecological Society of America**, Portland, Oregon, August 2012 (oral presentation).
- Cleeton, S.H., and **J.R. Miller**. Assessing the responses of woodland songbirds to exotic shrub invasions in the Chicago area. **48th Annual Meeting of the Illinois Chapter of the Wildlife Society**, Makanda, Illinois. April 2012 (oral presentation).
- Menning, S., T. Lyons, and **J.R. Miller**. Effects of fire and grazing on nest provisioning of grasshopper sparrows in Midwestern grasslands. **5th Annual Undergraduate Research Symposium**, University of Illinois, April 2012 (oral presentation).
- Frasz, L., J. Fischer, and **J.R. Miller**. Nutritional condition of house sparrows (*Passer domesticus*) along an urban-rural gradient. **5th Annual Undergraduate Research Symposium**, University of Illinois, April 2012 (poster presentation).

- Cleeton, S.H., and **J.R. Miller**. Changes in bird assemblages across forest-suburb edges in northeastern Illinois. **32nd Annual Midwest Ecology and Evolution Conference**, March 2012. Cincinnati, Ohio (oral presentation).
- Harr, R.N., **J.R. Miller**, and D.M. Engle. 2012. Slow-change in Iowa remnant grasslands: has the 'green glacier' arrived? **The Wildlife Society - Iowa Chapter**. January 2012. Des Moines, Iowa (oral presentation).
- Delaney, J.T., R.A. Moranz, D. M. Debinski, **J.R. Miller**, and D.M. Engle. Butterfly communities of degraded tallgrass prairie remnants show signs of initial recovery following five years of burning and grazing treatments. **The Wildlife Society - Iowa Chapter**. January 2012. Des Moines, Iowa (Oral Presentation).
- Cleeton, S.H., and **J.R. Miller**. Assessing the effects of habitat restoration on woodland songbirds in the Chicago area. **72nd Annual Midwest Fish and Wildlife Conference**, December 2011. Des Moines, Iowa (oral presentation).
- Lyons, T.P., and **J.R. Miller**. The nest predator community response to a fire-grazing interaction. **72nd Annual Midwest Fish and Wildlife Conference**, December 2011. Des Moines, Iowa (poster presentation).
- Harr, R.N., **J.R. Miller**, D.M. Engle, D. Debinski, and L. Wright Morton. Investigating patch-burn grazing in the Grand River Grasslands of Iowa and Missouri to improve habitats for species of greatest conservation need. **America's Grasslands: Status, Threats, and Opportunities**, August 2011, Sioux Falls, South Dakota (oral presentation).
- Fischer, J.D., **J.R. Miller**, T.P. Lyons, and S.H. Cleeton. Surviving in the city: a review of urban predation and its impacts on avian communities. **International Urban Wildlife Management and Planning Conference**, May 2011, Austin, Texas (poster presentation).
- Cleeton, S.H., and **J.R. Miller**. Assessing the effects of habitat restoration on woodland songbirds in the Chicago area. **31st Annual Midwest Ecology and Evolution Conference**, April 2011, Southern Illinois University, Carbondale, Illinois (poster presentation).
- Hovick, T.J., **J.R. Miller**, D.M. Engle, and D.M. Debinski. 2010. Effects of fire and grazing on grasshopper sparrow nest survival in a fragmented landscape. **30<sup>th</sup> Annual Midwest Ecology and Evolution Conference**, March 2010, Iowa State University, Ames. (oral presentation).

- Winkler, L.D., Debinski, D., Engle, S.D., and J. Miller. The effect of patch-burn grazing on ant diversity in southern Iowa grasslands. **30<sup>th</sup> Annual Midwest Ecology and Evolution Conference**, March 2010, Iowa State University, Ames (poster presentation).
- McGranahan, D.A., D.M. Engle, S.D. Fuhlendorf, **J.R. Miller**, and D.M. Debinski. Grazing history, soil carbon, and invasion by an exotic cool-season grass explain extraordinary community diversity in a working prairie landscape. **Society for Range Management 63<sup>rd</sup> Annual Meeting**, February 2010, Denver, Colorado (oral presentation).
- Hovick, T.J., and **J.R. Miller**. Nestling and post-fledgling survival of a species of greatest conservation need in southern Iowa grasslands managed with fire and grazing. **American Ornithologists' Union 128<sup>th</sup> Annual Meeting**, February 2010, San Diego, California (oral presentation).
- Hovick, T.J. and **J.R. Miller**. Postfledging survival of a bird Species of Greatest Conservation Need in southern Iowa grasslands. **Joint Meeting of the Iowa Chapters of the Wildlife Society and the American Fisheries Society**. January 2010, Ames, Iowa (oral presentation).
- Fischer, J.D., and **J.R. Miller**. The relationship between homeowners and urban birds as defined by the practice of bird feeding. **71<sup>st</sup> Annual Midwest Fish and Wildlife Conference**, December 2009, Springfield, Illinois (oral presentation).
- Hovick, T.J., **J.R. Miller**, D.M. Engle, and D.M. Debinski. Nesting success of Grasshopper Sparrows (*Ammodramus savannarum*) in southern Iowa grasslands managed with fire and grazing. **71<sup>st</sup> Annual Midwest Fish and Wildlife Conference**, December 2009, Springfield, Illinois (oral presentation).
- Pillsbury, F.C., **J.R. Miller**, D.M. Debinski, and D.M. Engle. Changes in avian community structure in grasslands managed using a fire-grazing interaction. **71<sup>st</sup> Annual Midwest Fish and Wildlife Conference**, December 2009, Springfield, Illinois (oral presentation).
- Engle, D.M., **J.R. Miller**, L.W. Morton, D.M. Debinski, and R.N. Harr. A model for returning prescribed burning to working lands of the Midwest. **4<sup>th</sup> International Congress on Fire Ecology and Management: Fire as a Global Process**, December 2009, Savannah, Georgia (oral presentation).
- Fischer, J.D., and J.R. Miller. Food for thought: anthropogenic food sources and their impact on avian diversity. **International Symposium on Urban Wildlife and the Environment**, Amherst, Massachusetts. June 2009. (poster presentation)

Debinski, D.M., L. Merrick, R. Moranz, D. McGranahan, D. Engle, **J. Miller**, and R. Harr. Landscape memory and the assessment of fire and grazing effects on prairie insect biodiversity. **U.S. Regional Association of the International Association for Landscape Ecology 24<sup>th</sup> Annual Symposium**, April 2009, Snowbird, Utah (oral presentation).

Hovick, T.J., and **J.R. Miller**. Grasshopper Sparrow, *Ammodramus savannarum*, nesting success in a landscape managed with fire and grazing. **Iowa Chapter of The Wildlife Society and American Fisheries Society Annual Meeting**, January 2009, Ames, Iowa (oral presentation).

Debinski, D., L. Merrick, R. Moranz, D. Engle, R. Harr, and **J. Miller**. Insect responses to patch-burn grazing in prairie ecosystems. **Iowa Chapter of The Wildlife Society and American Fisheries Society Annual Meeting**, January 2009, Ames, Iowa (oral presentation).

LeBrun, J.J., and **J.R. Miller**. Using the response of forest birds to changes in land use/land cover to design and evaluate predictive models. **American Ornithologists' Union 126<sup>th</sup> Annual Meeting**, August 2008, Portland, Oregon (oral presentation).

Pillsbury, F.C., **J.R. Miller**, D.M. Debinski, D. M. Engle, and S.E. Svehla. Assessing the ability of a fire-grazing interaction to mediate trophic relationships in a grassland ecosystem. **U.S. Regional Association of the International Association for Landscape Ecology 23<sup>rd</sup> Annual Symposium**, April 2008, Madison, Wisconsin (oral presentation).

VanDeWalle, T., K. Poole, S. Marler, N. Bernstein, S. Main, D. McCullough, **J. Miller**, F. Olsen, J. Parmelee, T. Rosburg, D. Schicht, M. St. Clair, and E. Walsh. Ecological performance of mitigation wetlands in a predominantly agricultural landscape. **Mid-Continent Transportation Symposium (Center for Transportation Research and Education)**, Aug. 2007, Iowa State University, Ames (oral presentation).

Haight, R.G., S.A. Snyder, **J.R. Miller**, and A.M. Skibbe. Defining ecological goals for open-space protection in metropolitan areas. **13<sup>th</sup> Annual International Symposium On Society and Resource Management**, June 2007, Park City, Utah (oral presentation).

Hess, G., T. Steelman, **J. Miller**, J. Thompson, M. Groom, and D. Snyder. Where is biodiversity conservation in local planning? **13<sup>th</sup> Annual International Symposium On Society and Resource Management**, June 2007, Park City, Utah (oral presentation).

Snyder, S.A., R.G. Haight, **J.R. Miller**, and A.M. Skibbe. Using decision support tools to assist in open space land acquisition in an urbanizing landscape. **George Wright Society 2007 Conference on Parks, Protected Areas, and Cultural Sites**, April 2007, St. Paul, Minnesota (oral presentation).

Engle, D.M., **J.R. Miller**, D.M. Debinski, and R.R. Harr. Opportunities and barriers to prescribed fire in the Prairie Peninsula. **60th Annual Meeting of the Society for Range Management**, February 2007, Reno, Nevada (oral presentation).

Pillsbury, F.C. and **J.R. Miller**. Factors affecting anuran community structure along an urban-rural gradient. **Society for Conservation Biology 20<sup>th</sup> Annual Meeting**, June 2006, San Jose, California (oral presentation).

Snyder, S.A., Haight, R.G., **Miller, J.**, and A. Skibbe. Acquisition Strategies for Grassland Habitat in an Urbanizing Landscape. **The Institute for Operations Research and the Management Sciences (INFORMS) National Conference**, November 2005, San Francisco, California (oral presentation - **Best Paper Award**)

Walker, T.A., and **J.R. Miller**. Influence of habitat restoration on nesting ecology of grassland songbirds in remnant prairies of the Loess Hills, Iowa. **American Ornithologists' Union 123<sup>rd</sup> Annual Meeting**, August 2005, Santa Barbara, California (poster presentation).

Walker, T.A., and **J.R. Miller**. Breeding grassland bird use of restored prairies in the Loess Hills, Iowa, USA. **Society for Conservation Biology's 19<sup>th</sup> Annual Meeting**, July 2005, Brasilia, Brazil (poster presentation).

Miller, J.R. Conservation subdivisions: what's being conserved? Conference on **Emerging Issues Along Urban/Rural Interfaces: Linking Science and Society**, March 2005, Atlanta, Georgia (oral presentation)

Skibbe, A., and **J.R. Miller**. Scenario-based conservation modeling at Chicago's urban/rural fringe: land acquisition and management costs. **U.S. Regional Association of the International Association for Landscape Ecology 20<sup>th</sup> Annual Symposium**, March 2005, Syracuse, New York (Poster Presentation).

Miller, J.R., M.M. Wagner, and R. Nelson. Ecology and education in landscape architecture. **Council for Educators in Landscape Architecture Annual Meeting**, June 2004, Christchurch, New Zealand (Oral Presentation).

Walker, T.A., and **J.R. Miller**. Response of grassland songbirds to prairie restoration in the Loess Hills, Iowa. **Cooper Ornithological Society 74th Annual Meeting**, May 2004, La Crosse, Wisconsin (Oral Presentation).

- Miller, J.R., M.D. Dixon, and M.G. Turner. Response of birds to forest fragmentation in large-river floodplains. **U.S. Regional Association of the International Association for Landscape Ecology 17<sup>th</sup> Annual Symposium**, April 2002, Lincoln, Nebraska (Oral Presentation).
- Miller, J.R., M.D. Dixon, and M.G. Turner. Effects of land use on forest bird communities of large-river floodplains. **63<sup>rd</sup> Midwest Fish and Wildlife Conference**, Dec. 2001, Des Moines, Iowa (Oral Presentation).
- Miller, J.R., M.D. Dixon, and M.G. Turner. Land-use change and bird communities in large-river floodplains. **Annual Meeting of the Ecological Society of America**, Aug. 2001, Madison, Wisconsin (Oral Presentation).
- Miller, J.R., J.A. Wiens, and N.T. Hobbs. Human settlement and avian communities in lowland riparian areas. **Annual Meeting of the Ecological Society of America**, Aug. 2000, Snowbird, Utah (Oral Presentation).
- Miller, J.R., M.D. Dixon, S.E. Gergel, and M.G. Turner. The effect of changes in land use on bird communities in large-river floodplain forests. **U.S. Regional Association of the International Association for Landscape Ecology 15<sup>th</sup> Annual Symposium**, April 2000, Fort Lauderdale, Florida (Oral Presentation).
- Miller, J.R., and P. Cale. Avian foraging and habitat use in a highly fragmented landscape. **Fifth World Congress of the International Association of Landscape Ecology**, Aug. 1999, Snowmass, Colorado (Oral Presentation).
- Miller, J.R., N.T. Hobbs, J.M. Fraterrigo, J.A. Wiens, and D.M. Theobald. Urbanization, avian communities, and landscape ecology. **Annual Meeting of the Cooper Ornithological Society**, March 1999, Portland, Oregon (Oral Presentation).
- Miller, J.R. Avian nest predation and urbanization: a dent in the dogma. **Annual Meeting of the Ecological Society of America**, Aug. 1998, Baltimore, Maryland (Oral Presentation).
- Miller, J.R., J.A. Wiens, and N.T. Hobbs. How does urbanization affect bird communities in riparian habitats? An approach and preliminary assessment. **Nature Conservation in Production Environments: Managing the Matrix**, Dec. 1997, Taupo, New Zealand (Oral Presentation).
- Miller, J.R. Nest predation in riparian areas along the Colorado Front Range: the effect of urbanization. **Annual Meeting of the Wilson Ornithological Society**, April 1997, Manhattan, Kansas (Oral Presentation).

- Miller, J.R., D.M. Theobald, and N.T. Hobbs. Characterizing urban gradients. **U.S. Regional Association of the International Association for Landscape Ecology 12<sup>th</sup> Annual Symposium**, March 1997, Durham, North Carolina (Poster Presentation).
- Miller, J.R. Avian diversity and nest predation rates across a gradient of urbanization. **U.S. Regional Association of the International Association for Landscape Ecology 11<sup>th</sup> Annual Symposium**, March 1996, Galveston, Texas (Oral Presentation).
- Miller, J.R., T. Schulz, N.T. Hobbs, K. Wilson, D. Schrupp, and W. Baker. Mission impossible in a riparian landscape of the western Great Plains: Conservation of pattern in the absence of process. **Annual Symposium on Ecological Research at Colorado State University**, Feb. 1996, Fort Collins (Oral Presentation).
- Miller, J.R. Avian communities in lowland riparian areas and land use in the surrounding matrix. **Annual Meeting of the Guild of Rocky Mountain Population Biologists**, Sept. 1995, Nederland, Colorado (Oral Presentation).
- Miller, J.R., T.T. Schulz, N.T. Hobbs, K.R. Wilson, D.L. Schrupp, and W.L. Baker. Flood regimes and landscape structure: changes in a riparian zone following shifts in stream dynamics. **Annual Meeting of the Society for Conservation Biology**, June 1995, Fort Collins (Oral Presentation).
- Miller, J.R. Riparian avifaunas and the influence of urbanization. **The Annual Department of Biology Student Symposium**, April 1995, Colorado State University, Fort Collins (Oral Presentation).
- Miller, J.R., Joyce, L.A., and R.L. Knight. Road density and landscape structure on the Arapaho-Roosevelt National Forest. **Annual Symposium on Ecological Research at Colorado State University**, Nov. 1994, Fort Collins (Oral Presentation).
- Miller, J.R., L.A. Joyce, and R.L. Knight. Landscape patterns and road density in the southern Rocky Mountains. **U.S. Regional Association of the International Association for Landscape Ecology 9<sup>th</sup> Annual Symposium**, March 1994, Tucson, Arizona (Oral Presentation).
- Miller, J.R., D.L. Urban, R.L. Knight, M.L. Carter, and A.J. Hansen. Landscape change and the southern Rocky Mountain avifauna. **Annual Meeting of the Society for Conservation Biology**, June 1993, Tempe, Arizona (Oral Presentation).

Miller, J.R., L.A. Joyce, and R.L. Knight. A comparison of forest stand shapes in the southern Rockies. **U.S. Regional Association of the International Association for Landscape Ecology 7<sup>th</sup> Annual Symposium**, April 1992, Corvallis, Oregon (Poster Presentation).

## **PROFESSIONAL SERVICE**

Associate Editor, *Restoration Ecology*, 2004-2013  
Associate Editor, *Landscape Ecology*, 2012 – present  
Review Panel, US EPA Science to Achieve Results (STAR) Graduate Fellowships, Fall 2015.

### *Symposia organized*

Collaborative Adaptive Landscape Management (CALM) in Rangelands: Are There General Principles? Society for Range Management 68th Annual Meeting, January 2015, Sacramento, California. (with Dr. Brandon Bestelmeyer)

Channeling Leopold: Restoration of Ecological Processes to Grasslands in Working Landscapes, Society for Ecological Restoration International's 5<sup>th</sup> World Conference on Ecological Restoration, Madison, Wisconsin, October 2013. (with Dr. David Engle)

Moving Beyond Fortress Conservation: New Approaches for a Changing World. Symposium at the North America Congress of Conservation Biology, Oakland, California, July 2012. (with Dr. Diane Debinski)

## **UNIVERSITY SERVICE AND OUTREACH**

### *Iowa State University*

Science Curriculum Committee (Chair), Department of Landscape Architecture, Spring 2003 – 2008.

Design Science Task Force, College of Design, Spring 2003.

Landscape Ecologist Search Committee, Department of Natural Resource Ecology and Management. Spring, 2003.

Wildlife Ecologist Search Committee, Department of Natural Resource Ecology and Management. Spring, 2003.

Environmental Safety Board, College of Design, Spring 2003 – 2008.

Advisory Board for The Nature Conservancy's Pohl Prairie, Iowa, Spring 2003 – 2008.

Smith Postdoctoral Fellowship Review Panel, The Nature Conservancy, Arlington, Virginia, Spring 2004.

Wildlife Biology Undergraduate Curriculum Committee, Department of Natural Resource Ecology and Management. Fall 2004.

Errington Lecturer Selection Committee, Department of Natural Resource Ecology and Management. Fall 2004 – 2008.

Sustainability Committee, The Whiterock Conservancy (Coon Rapids, Iowa), spring 2005 – 2008.

Graduate Curriculum Committee, Department of Natural Resource Ecology and Management. Fall-Spring, 2005-2006.

Envisioning II Committee on Research and Graduate Education, College of Design, Spring 2005 – Spring 2006.

Wildlife Ecologist Search Committee, Department of Natural Resource Ecology and Management. Fall-Spring 2005-2006.

Graduate Curriculum Committee, Department of Landscape Architecture. Spring 2006 – 2008.

NREM Endowed Professorship Committee. Spring 2007.

*University of Illinois*

Social Committee, Department of Natural Resources and Environmental Sciences. Fall 2008 – Spring 2011.

Admissions Committee, Program in Ecology, Evolution, and Conservation Biology. Spring 2009.

Search Committee for Department Head, Department of Natural Resources and Environmental Sciences. Spring 2009.

Courses and Curriculum Committee, Department of Natural Resources and Environmental Sciences. Fall 2009 – Spring 2014

Steering Committee, Program in Ecology, Evolution, and Conservation Biology. Fall 2009 – Spring 2012.

Leader for the Campus Charitable Fund Drive, Department of Natural Resources and Environmental Sciences. Fall 2009.

Strategic Planning Committee for the Online Master's Degree, Department of Natural Resources and Environmental Sciences. Spring 2010.

Wildlife Ecologist Search Committee (Chair), Department of Natural Resources and Environmental Sciences. Fall 2010.

Human Dimensions Search Committee, Department of Natural Resources and Environmental Sciences. Fall-Spring 2010-2011.

Promotion and Tenure Committee, Department of Natural Resources and Environmental Sciences. Fall 2011 – present.

Graduate Student Grievance Committee, Department of Natural Resources and Environmental Sciences. Fall 2011 – Spring 2013.

ACES Undergraduate Educational Policy Committee. Fall 2012 – Spring 2014.

ACES Advisory Committee. Fall 2012 – Spring 2015.

ACES Jonathan Baldwin Turner Scholarship interviews. Fall 2012.

DFAC Committee, Department of Natural Resources and Environmental Sciences. Fall 2013 – Spring 2014.

ACES Department Head Review Panel. Fall 2013 – Spring 2015.

Human Dimensions Faculty Search Committee (Chair), Department of Natural Resources and Environmental Sciences. Fall-Spring 2013 – 2014.

Graduate Policy Committee (Chair), Department of Natural Resources and Environmental Sciences. Fall 2014 – present.

ACES selection committee for the 2015 Team Award for Excellence. Fall 2014.

Steering Committee, Program in Ecology, Evolution, and Conservation Biology. Spring 2015 – Fall 2017.

## GRADUATE STUDENTS SUPERVISED

Walker, T.A. *Degree:* M.Sc., Wildlife Biology. *Thesis:* Habitat Use and Nesting Ecology of Grassland Birds in the Loess Hills, Iowa. August, 2005.

Skibbe, A.M. *Degree:* M.L.A. *Thesis:* Alternative Future Scenarios for Open Space Protection in Kane County, Illinois. August, 2006.

Pillsbury, F.C. *Degree:* M.Sc., Ecology and Evolutionary Biology. *Thesis:* Anuran Distribution and Habitat Use Along an Urban-Rural Gradient in Central Iowa. December, 2006.

LeBrun, J.J. *Degree:* M.Sc., Animal Ecology. *Thesis:* Using Changes in Land Use and Land Cover to Predict Avian Species Occurrences at Multiple Scales in the Driftless Area of the Midwestern United States. December, 2008.

Hovick, T.J. *Degree:* M.Sc., Wildlife Biology. *Thesis:* Effect of Fire-Grazing Interactions on Habitat Selection by Grassland Birds. May, 2010 (ISU).

Pillsbury, F.C. *Degree:* Ph.D., Animal Ecology. *Dissertation:* Avian Response to Fire-Grazing Interactions in Southern Iowa Grasslands. December, 2010 (ISU).

Cleeton, S.H. *Degree:* M.Sc., Natural Resources and Environmental Sciences. *Thesis:* Assessing the Effects of Habitat Restoration on Woodland Songbirds in the Chicago Metropolitan Area. May, 2012.

Lyons, T.P. *Degree:* M.Sc., Natural Resources and Environmental Sciences. *Thesis:* Nest Predation and Habitat Selection in the Grasshopper Sparrow (*Ammodramus savannarum*). August, 2013.

Fischer, J.D. *Degree:* Ph.D., Ecology. *Dissertation:* The Impacts of Supplemental Feeding on Urban Birds. August, 2015.

Duchardt, C.J. *Degree:* M.Sc., Natural Resources and Environmental Sciences. *Thesis:* Avian Community Dynamics and Habitat Selection Under Management for Habitat Heterogeneity. May, 2014.

Parker, C. *Degree:* M.Sc., Natural Resources and Environmental Sciences. *Thesis:* Vector-host Interactions of Ticks and Songbirds. August, 2015.

Nelson, S.B. *Degree:* Ph.D., Natural Resources and Environmental Sciences. *Dissertation:* Habitat Selection of Dickcissels (*Spiza americana*) Along an Invasion Gradient of and Exotic Grass. *Expected Date:* May, 2017.

Coon, J.J. *Degree:* Ph.D. Natural Resources and Environmental Sciences. *Dissertation:* Ecological and Social Responses to the Invasive Grass Tall Fescue (*Schedonorus phoenix*). *Expected Date:* May, 2018.

Halsey, S. *Degree:* Ph.D. Ecology. *Dissertation:* A Community Modeling Approach to Understanding the Ecology of Lyme Disease. *Expected Date:* May, 2018.

Kranz, A. *Degree:* M.Sc., Natural Resources and Environmental Sciences. *Thesis:* Pest and Natural Enemy Dynamics in a New Diverse Agroforestry System. *Expected Date:* May, 2017.

Swartz, T. *Degree:* M.Sc., Natural Resources and Environmental Sciences. *Thesis:* Amphibians in human-dominated landscapes: the effects of local and landscape factors on Blanchard's cricket frog (*Acris blanchardi*). *Expected Date:* May, 2018.

Capozzelli, J. *Degree:* M.Sc., Natural Resources and Environmental Sciences. *Thesis:* TBD. *Expected Date:* May, 2019.

## **UNDERGRADUATE RESEARCH SUPERVISED**

Frasz, L.M. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic:* Nutritional Condition of Birds Along an Urban-rural Gradient. Fall/Spring 2011-2012.

Menning, S.M. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic:* Interactions of Brown-Headed Cowbird Parasitism and Habitat Quality on Provisioning Rates of Grasshopper Sparrows. Fall/Spring 2011-2012.

Hartland, R. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic:* Is the Area of Tail White in the American Goldfinch Related to Body Condition? Fall/Spring 2012-2013.

Janssen, E.D. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic:* Competitive Interactions Between House Finches and House Sparrows in Central Illinois. Fall/Spring 2012-2013.

Cinel, S. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic:* Nest Selection in Brown-Headed Cowbirds: Perceived Success and Host Suitability. Spring 2013.

Coor, M. Independent Study. *Topic:* Effects of Nest Predators on Avian Behavior. Spring 2013.

Emrath, E. *Undergraduate Researchers Initiative*, Urbana South Living-Learning Communities. Spring 2013.

Pasternak, L. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic*: Impacts of Habitat Fragmentation on Invasive Species. Fall/Spring 2013-2014.

Gusztyn, M. *Undergraduate Researchers Initiative*, Urbana South Living-Learning Communities. Spring 2014.

Kumar, R. *Undergraduate Researchers Initiative*, Urbana South Living-Learning Communities. Spring 2014.

Jen, D. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic*: Behavioral and Spatial Dynamics of Male Dickcissels (*Spiza americana*) Throughout the Nesting Cycle. Fall/Spring 2014-2015.

Rola, K. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic*: Effects of Arthropod Abundance within Dickcissel (*Spiza americana*) Territories on Nestling Body Condition. Fall/Spring 2015-2016.

Daiber, I. *Undergraduate Research Fellow*, College of Agricultural, Consumer, and Environmental Sciences. *Topic*: Caught on Camera: Provisioning Behavior of a Grassland Songbird Species *Spiza americana* of Conservation Concern. Fall/Spring 2016-2017.

## **COURSES TAUGHT**

### *Iowa State University*

LA-NREM 465/565 “Landscape Change and Conservation” – required in the B.L.A. curriculum.

LA 478 “Greenway Design” with Mimi Wagner (Landscape Architecture).

LA-NREM 469/569x “Designing Ecologically Sustainable Landscapes” with Mimi Wagner (Landscape Architecture).

A Ecl 569x “Wildlife Ecology and Conservation” with Dr. Dave Otis (Natural Resource Ecology and Management).

NREM 595x “Where Is Conservation Science in Local Planning?” with Dr. Jan Thompson (Natural Resource Ecology and Management)

University of Illinois

NRES 456 “Integrative Ecosystem Management” – required in the NRES curriculum.

NRES 499 “Urban Wildlife Ecology”

NRES 420 “Restoration Ecology”

NRES 512 “Writing Science”

NRES 594 “Graduate Student Orientation”

*Updated November 4, 2016*