

Publications

2012 Biometrics Publications

- Aarts, G, **J. Fieberg**, S. Brasseur, and J. Matthiopoulos. *In press*. Quantifying the effect of habitat availability on species distributions. *Journal of Animal Ecology*.
- ** **DelGiudice, G. D., J. R. Fieberg**, and **B. A. Sampson**. *In press*. A long-term assessment of the variability in winter use of dense conifer cover by female white-tailed deer. PLOS ONE.
- ** **DelGiudice, G. D., B. A. Sampson**, and **J. H. Giudice**. *In press*. A long-term assessment of the effect of winter severity on the food habits of white-tailed deer. *Journal of Wildlife Management*.
- Fieberg, J.** 2012. Estimating Population Abundance Using Sightability Models: R SightabilityModel Package. *Journal of Statistical Software* 51:1-20.
- Fieberg, J.** and L. Börger. 2012. Could you please phrase home range as a question? *Journal of Mammalogy* 93:890-902.
- Fieberg, J.** and M. Ditmer. 2012. Understanding the causes and consequences of animal movement: a cautionary note on fitting and interpreting regression models with time-dependent covariates. *Methods in Ecology and Evolution* 3:983–991.
- Fieberg, J.**, M. Alexander, S. Tse, and K. St. Clair. *In press*. Abundance estimation with sightability data: a Bayesian data augmentation approach. *Methods in Ecology and Evolution*.
- Giudice, J. H., K. J. Haroldson**, A. Harwood, and B. R. McMillan. 2013. Using time-of-detection to evaluate detectability assumptions in temporally replicated aural count indices: an example with Ring-necked pheasants. *Journal of Field Ornithology*.84(1):98-112.
- ** **Hanson, M., B. R. Herwig**, K. D. Zimmer, **J. Fieberg**, **S. R. Vaughn**, **R. G. Wright**, and **J. A. Younk**. 2012. Comparing Effects of Lake- and Watershed-Scale Influences on Communities of Aquatic Invertebrates in Shallow Lakes. *PlosONE* 7(9): e44644. doi:10.1371/journal.pone.0044644.
- Jenkins, K. J., Happe, P.J., Beirne, K.F, Hoffman, R.A., Griffin, P.C., Baccus, W. T., and **J. Fieberg**. 2012. Recent population trends in mountain goats in the Olympic mountains. *Northwest Science* 86:264-275.
- ** **Rave, D. P., J. Fieberg**, and **K. Kotts**. *In press*. Comparison of a fall biomass harvest to a spring prescribed burn in restored native grass fields. *Wildlife Society Bulletin*.
- ** **Rave, D. P., M. C. Zicus, J. R. Fieberg**, L. Savoy, K. Regan. *In Press*. Trends in eggshell thickness and mercury in Common Goldeneye and Hooded Merganser eggs. *Wildlife Society Bulletin*.
- St. Clair, K., **E. Dunton**, and **J. Giudice**. 2013. A comparison of models using removal efforts to estimate animal abundance. *Journal of Applied Statistics* 40(3):527-545.

“**” Indicates biological paper that are located with one of the specific research units.

2012 Forest Wildlife Publications

- DelGiudice, G. D., J. R. Fieberg, and B. A. Sampson.** A long-term assessment of the variability in winter use of dense conifer cover by female white-tailed deer. *PLoS ONE* 8(6):e65368. Doi: 10.1371/journal.pone.0065368
- DelGiudice, G. D., B. A. Sampson, and J. H. Giudice.** 2013. A long-term assessment of the effect of winter severity on the food habits of white-tailed deer. *Journal of Wildlife Management* *Accepted*.
- laizzo, P. A., T. G. Laske, H. J. Harlow, C. B. McClay, and **D.L. Garshelis.** 2012. Wound healing during hibernation by black bears (*Ursus americanus*) in the wild: elicitation of reduced scar formation. *Integrative Zoology* 7:77–89.
- Kouffeld, M. J., **M. A. Larson,** and R. J. Gutiérrez. 2013. Selection of landscapes by male ruffed grouse during peak abundance. *Journal of Wildlife Management* 77(6):1192–1201.
- Steinmetz, R., **D. L. Garshelis,** W. Chutipong, N. Seaturien. 2013. Feeding ecology and coexistence of two species of bears in seasonal tropical forests, Thailand. *Journal of Mammalogy* 94:1–18.

2012 Wetland Wildlife Publications

- Berdeen, J. B.**, and D. G. Kremetz. In Press. Observations of unusual courtship behaviors by male American woodcock. *Southeastern Naturalist*.
- Berkman, L. K., C. K. Nielsen, **C. L. Roy**, and E. J. Heist. In press. Population genetic structure among bobwhite in an agriculturally modified landscape. *Journal of Wildlife Management*.
- Berkman, L. K., C. K. Nielsen, **C. L. Roy**, and E. J. Heist. 2013. Resistance is futile: Effects of landscape genetic features on gene flow of the northern bobwhite. *Conservation Genetics* 14(2):323-332.
- Bischof, M., **M.A. Hanson**, M.R. Fulton, R.K. Kolka, S.D. Sebestyen, and M.G. Butler. 2013. Invertebrate community patterns in seasonal ponds in Minnesota, USA: response to hydrologic and environmental variability. *Wetlands DOI.1007/s13157-012-0374-0*.
- *Denton, J. C., **C. L. Roy**, G. Soulliere, and B. Potter. 2012. Change in density of duck nest cavities at forests in the North Central United States. *Journal of Fish and Wildlife Management* 3(1):76-88.
- Gorman, M.W., K.D. Zimmer, B.R. Herwig, **M.A. Hanson**, R.G. Wright, S.R. Vaughn, and J.A. Younk. Phosphorus, fish biomass, and watersheds as drivers of phytoplankton abundance in shallow lakes. *Science of the Total Environment In Review*.
- ***Hanson, M.A.**, B. R. Herwig, K. D. Zimmer, **J. Fieberg**, S. R. Vaughn, R. G. Wright, and J. A. Younk. 2012. Comparing effects of lake- and watershed-scale influences on communities of aquatic invertebrates in shallow lakes. *PLoS ONE* 7(9): e44644. DOI:10.1371/journal.pone.0044644.
- *Heinrich, K., M. Whiles, and **C. L. Roy**. In press, available online. Cascading Ecological Responses to an In-stream Restoration Project in a Midwestern River. *Restoration Ecology*.
- *Herwig, B. R., L. W. Schroeder, K. D. Zimmer, **M. A. Hanson**, D. F. Staples, R. G. Wright, and J. A. Younk. 2013. Fish influences on amphibian presence and abundance in prairie and parkland landscapes of Minnesota, U.S.A. *Journal of Herpetology*. In Press.
- Kissoon, L., D.L. Jacob, **M.A. Hanson**, B.R. Herwig, S. Bowe, and M.L. Otte. 2013. Macrophytes in shallow lakes: relationships with water, sediment, and watershed characteristics. *Aquatic Botany* 109: 39-48.
- Labarbenchon, C., R. Poulson, K. Shannon, J. Slagter, M. J. Slusher, B. R. Wilcox, **J. Berdeen**, G. A. Knutsen, C. J. Cardona, and D. E. Stallknecht. In Press. Isolation of influenza A viruses from wild ducks and feathers in Minnesota (2010-2011). *Avian Diseases*.
- Nelson, M. D., and **C. Roy**. 2012. Estimating tree cavity distributions from historical FIA data. Pages 199-203 in *Moving from Status to Trends: Forest Inventory and Analysis Symposium 2012*. USDA, Forest Service, Northern Research Station General Technical Report, NRS-P-105. 478 pp.

Rave, D. P., J. R. Fieberg, and K. Kotts. In Press. Comparison of an autumn biomass harvest with a spring prescribed burn in restored native grass fields. *Wildlife Society Bulletin*.

Rave, D. P., M. C. Zicus, J. R. Fieberg, L. Savoy, and K. Regan. In Press. Trends in eggshell thickness and mercury in common goldeneye and hooded merganser eggs. *Wildlife Society Bulletin*.

***Roy, C. L., C. M. Herwig,** W. L. Hohman, R. T. Eberhardt. 2012. The Ring-necked Duck (*Aythya collaris*), *The Birds of North America* online. (A. Poole, ed.) Ithaca Cornell Lab of Ornithology.

Roy, C. L., C. M. Herwig, and P. Doherty. In press, available online. Mortality and refuge use of young ring-necked ducks before and during hunting season in north-central Minnesota. *Journal of Wildlife Management*

Schroeder S. A., D. C. Fulton, **J. S. Lawrence, and S. D. Cordts.** 2013. Identity and Specialization as a Waterfowl Hunter, *Leisure Sciences: An Interdisciplinary Journal*, 35:3, 218-234.

*Schroeder, S. A., D. C. Fulton, **J. S. Lawrence, and S. D. Cordts.** 2012. An Application and Extension of the Constraints-Effects-Mitigation Model to Minnesota Waterfowl Hunting. *Human Dimensions of Wildlife: An International Journal*. 17(3):174-192.

Schroeder, S. A., **J.S. Lawrence, and S. D. Cordts.** 2012. The 2011 Waterfowl Hunting Season in Minnesota: A Study of Hunters' Opinions and Activities. University of Minnesota, Minnesota Cooperative Fish and Wildlife Research Unit, Dept. of Fisheries, Wildlife, and Conservation Biology. 120 pp.

Schroeder, S. A., **J.S. Lawrence, and S. D. Cordts.** 2012. The 2010 Waterfowl Hunting Season in Minnesota: A Study of Hunters' Opinions and Activities. University of Minnesota, Minnesota Cooperative Fish and Wildlife Research Unit, Dept. of Fisheries, Wildlife, and Conservation Biology. 146 pp.

2012 Wildlife Health Publications

Dubey, J.P., M. Jenkins, O. Kwok, L Ferreira, S Choudhary, S Verma, I Villena, **E. Butler, M. Carstensen.** 2013. Congenital transmission of *Neospora caninum* in white tailed deer (*Odocoileus virginianus*). [Vet Parasitol.](#) 2013 Sep 23;196 (3-4):519-22. doi: 10.1016/j.vetpar.2013.03.004. Epub 2013 Mar 14

Dubey, J.P., P Dennis, S Verma, S Chaudhary, L Ferreira, S Oliveira, O Kwok, **E Butler, M Carstensen,** C Su. 2013. Epidemiology of toxoplasmosis in white tailed deer (*Odocoileus virginianus*): occurrence, congenital transmission, correlates of infection, isolation, and genetic characterization of *Toxoplasma gondii*. *Veterinary Parasitology: In press*

Dubey, J.P., S Choudhary; L Ferreira; O Kwok; **E Butler; M Carstensen;** L yu; C Su. 2013. Isolation and genetic characterization of *Toxoplasma gondii* from the Gray wolf (*Canis lupus*). *Veterinary Parasitology: In press*