

Publications

Forest Group

- Berkman, L. K., C. K. Nielsen, **C. L. Roy**, E. J. Heist. 2015. Comparative genetic structure of sympatric leporids in southern Illinois. *Journal of Mammalogy* 96(3): 552-563 doi: 10.1093/jmammal/gyv060
- DelGiudice, G. D.**, W. J. Severud, T. R. Obermoller, R. G. Wright, T. A. Enright, and V. St-Louis. 2015. Monitoring movement behavior enhances recognition and understanding of capture-related abandonment of moose neonates. *Journal of Mammalogy*. 96: 1005-1016.
- Ditmer, M.A., T. E. Burk, and **D. L. Garshelis**. 2015. Do innate food preferences and learning affect crop raiding by American black bears? *Ursus* 26: 40–52.
- Ditmer, M. A., **D.L. Garshelis**, K.V. Noyce, T.G. Laske, P.A. Iaizzo, J.R. Fieberg, J.D. Forester, and T.E. Burk. 2015. Behavioral and physiological responses of American black bears to landscape features in an agricultural region. *Ecosphere* 6(3):28. <http://dx.doi.org/10.1890/ES14-00199.1>
- Ditmer, M. A., **D. L. Garshelis**, **K.V. Noyce**, A. W. Haveles, and J. R. Fieberg. 2015. Are American black bears in an agricultural landscape being sustained by crops? *Journal of Mammalogy*: in press.
- Ditmer, M. A., J. B. Vincent, L. K. Werden, J. C. Tanner, T. G. Laske, P. A. Iaizzo, **D. L. Garshelis**, and J. R. Fieberg. 2015. Bears show a physiological but not a behavioral response to unmanned aerial vehicles. *Current Biology* 25: 1–6.
- Ewert, D. N., **C. L. Roy**, G. J. Soulliere, and R. L. Pierce. 2014. Stakeholder input for revision of the Upper Mississippi River and Great Lakes Region Joint Venture Landbird Habitat Conservation Strategy. Upper Mississippi River and Great Lakes Region Joint Venture Technical Report No. 2014-1. 9 pp.
- Hiller, T. L., H. B. White, and **J. D. Erb**. State management of furbearers. Pages XXX in T. J. Ryder, editor. *State Wildlife Management and Conservation*. Johns Hopkins University Press. In Review.
- Joyce, M. J., A. Zalewski, **J. D. Erb**, and R. A. Moen. Biogeographic variation in rest site selection by members of the *Martes* species complex: impact of thermal stress and predation risk. *Proceedings of the 6th International Martes Symposium*. In Review.
- Laske, T. G., **D. L. Garshelis**, and P. A. Iaizzo. 2014. Big data in wildlife research: remote web-based monitoring of hibernating black bears. *BMC Physiology* 14:13 <http://www.biomedcentral.com/1472-6793/14/13>
- Malcolm, K. D., W. J. McShea, **D. L. Garshelis**, S-J Luo, T. R. Van Deelen, F. Liu, S. Li, L. Miao, D. Wang, and J. L. Brown. 2014. Increased stress in Asiatic black bears relates to food limitation, crop raiding, and foraging beyond nature reserve boundaries in China. *Global Ecology and Conservation*: 2: 267–276.
- Mech, L. D., S. Barber-Meyer, and **J. D. Erb**. Wolf (*Canis lupus*) generation time and proportion of current breeding females by age. In Revision to PLoSOne.

- Noyce, K.V.** and **D. L. Garshelis**. 2014. Follow the leader: social cues help guide landscape-level movements of American black bears (*Ursus americanus*). *Canadian Journal of Zoology*: 92: 1005–1017.
- Roy, C. L.**, C. M. Herwig, M. C. Zicus, D. P. Rave, W. L. Brininger, M. K. D. McDowell. 2014. Patterns of refuge use by young ring-necked ducks: an individual-based telemetry approach. *Journal of Wildlife Management* 78(7):1310-1317.
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- Roy, C. L., and V. St-Louis**. 2014. Distribution of faucet snails and trematodes responsible for lesser scaup die-offs in infested lakes, rivers, and ponds of north-central Minnesota. Final Report to the USFWS Migratory Bird Conservation Program. 77 pp.
- Severud, W. J., and **G. D. DelGiudice**. 2015. Potential vertical transmission of winter ticks (*Dermacentor albipictus*) from moose (*Alces americanus*) dams to neonates. *Journal of Wildlife Diseases* In press.
- Severud, W. J., **G. D. DelGiudice**, T. R. Obermoller, T. A. Enright, R. G. Wright, and J. D. Forester. 2015. Using GPS collars to determine parturition and cause-specific mortality of moose calves. *Wildlife Society Bulletin* 39:616-625.
- Stapleton, S., E. Peacock, and **D. L. Garshelis**. 2015. Aerial surveys suggest long-term stability in the seasonally ice-free Foxe Basin (Nunavut) polar bear population. *Marine Mammal Science*: DOI: 10.1111/mms.12251.

Farmland Group

- Cruz-Martinez, L., **M. D. Grund**, and P. T. Redig. 2015. Quantitative assessment of bullet fragments in viscera of sheep carcasses as surrogates for white-tailed deer. *Human-Wildlife Interactions* 9:47-54.
- D'Angelo, G. J.**, and **M. D. Grund**. 2015. Evaluating competing preferences of hunters and landowners for management of deer populations. *Human-Wildlife Interactions* 9:220-231.
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Wetland Group

- Hanson, M. A.**, C. A. Buel, K. D. Zimmer, B. R. Herwig, S. Bowe, and K. M. Maurer. 2015. Co-correspondence among aquatic invertebrates, fish, and submerged aquatic plants in shallow lakes. *Freshwater Science* DOI: 10.1086/682118.
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- Pearce, J. M., J. M. Eadie, J.-P. L. Savard, T. K. Christensen, **J. Berdeen**, E. J. Taylor, S. Boyd, A. Einarsson, and S. L. Talbot. 2014. Comparative population structure of three cavity-nesting sea ducks. *Auk: Ornithological Advances* 131:195-207.
- Selman, W. and **B. Davis**. 2015. First nesting records in southwestern Louisiana for American Oystercatchers (*Haematopus palliatus*) and Reddish Egrets (*Egretta rufescens*), with implications for dredge spoil island restoration. *The Wilson Journal of Ornithology* 127:326-332.
- Zimmer, K. D., W. O. Hobbs, L. M. Domine, B. R. Herwig, **M. A. Hanson** and J. B. Cotner. The more things change, the more they stay the same: Uniform carbon fluxes in shallow lakes in alternative stable states. Submitted to *Limnology & Oceanography*.
- Zimmer, K.D., **M.A. Hanson**, and D.A. Wrubleski. Invertebrates in permanent wetlands (long-hydroperiod marshes and shallow lakes). In D. Batzer and D. Boix. *Invertebrates in Freshwater Wetlands: An international perspective on their ecology*. In Press.

Wildlife Health Group

- Kinsley, A. C., R. D. Moon, E. Butler, K. Johnson, **M. Carstensen**, D. Neitzel, and M. E. Craft. 2015. Mosquito vectors of eastern equine encephalitis virus in northern Minnesota. *Journal of American Mosquito Control Association: In review*.
- Glaser, L., **M. Carstensen**, S. Shaw, S. Robb-Austerman, A. Wünschmann, D. Gear, and T. Stuber. 2015. Descriptive epidemiology and whole genome sequencing analysis for an outbreak of bovine tuberculosis in beef cattle and white-tailed deer in northwestern Minnesota. *PLOS ONE: In review*.
- Street, G., J. Fieberg, A. R. Rodgers, **M. Carstensen**, R. Moen, S. A. Moore, S. K. Windels, and J. D. Forester 2015. Habitat functional response mitigates reduced foraging opportunity: implications for animal fitness and space use. *Journal of Animal Ecology: In review*.
- Verma, S. K., **M. Carstensen**, R. Calero-Bernal, S. Moore, T. Jiang, C. Su, and J. P. Dubey. 2015. Seroprevalence, isolation, first genetic characterization of *Toxoplasma gondii*, and congenital transmission in wild moose from Minnesota, USA. *Parasitology Research: In press*.