

PUBLICATIONS

Below are lists of scientific reports and other publications by personnel in the Wildlife Populations and Research Unit for the approximate period March 2004 through February 2005. Some titles by Unit personnel pertain to work done while employed by the DNR, but other reports are on work done elsewhere (e.g., as a graduate student, employed by another agency, while on leave of absence, etc.) An (*) before an author's name indicates that the report was listed as in press in previous summaries of research project findings. Included under scientific reports are those which have been published and those accepted for publication (in press). Names in bold indicate a DNR employee.

PUBLICATIONS

- Berdeen, J. B.**, and D. L. Otis. The Influence of Subcutaneous Transmitter Implants on Weight Change and Survival of Mourning Doves. *Wildlife Society Bulletin*. In Review.
- Brinkman, T.J., C.S. Deperno, J. A. Jenks, **B. S. Haroldson**, and **R. G. Osborn**. 2005. Movement of female white-tailed deer: effects of climate and intensive row-crop agriculture. *Journal of Wildlife Management*. In press.
- Brinkman, T. J., J. A. Jenks, C. S. DePerno, **B. S. Haroldson**, and **R. G. Osborn**. 2004. Survival of white-tailed deer in an intensively farmed region of Minnesota. *Wildlife Society Bulletin*, 32:726-731.
- ***Carstensen Powell, M.**, and **G. D. DelGiudice**. 2005. Birth, morphological, and blood characteristics of free-ranging white-tailed deer neonates. *Journal of Wildlife Diseases*. 41:171-183.
- Carstensen Powell, M.**, **G. D. DelGiudice**, and **B. A. Sampson**. 2005. Risk of marking-induced abandonment may be minimal for free-ranging white-tailed deer neonates. *Wildlife Society Bulletin*. In press.
- Cox, E.W., D.L. Murray, W.B. Ballard, H.A. Whitlaw, **M.S. Lenarz**, T.W. Custer, T. Barnett, and T.K. Fuller. 2005. Parasite-mediated decline in a moose population at the southern range periphery. *Wildlife Monographs*. In press.
- DelGiudice, G. D.**, **J. Fieberg**, M. R. Riggs, **M. Carstensen Powell**, and W. Pan. 2005. A long-term age-specific survival analysis of female white-tailed deer. *Journal of Wildlife Management*. Accepted.
- ***DelGiudice, G.D.**, **B.A. Sampson**, **D.W. Kuehn**, **M. Carstensen Powell**, and **J. Fieberg**. 2005. Understanding of the margins of safe capture, chemical immobilization, and handling of free-ranging white-tailed deer. *Wildlife Society Bulletin*. In press.
- DePerno, C. S., B. J. Bigalke, J. A. Jenks, **B. S. Haroldson**, and **R. G. Osborn**. 2005. Electrocution of an adult white-tailed deer. *Prairie Naturalist*. In press.
- *Edwards, A.J., M.W. Schrage, and **M.S. Lenarz**. 2005. Northeastern Minnesota moose management – a case study in cooperation. *Alces*. In press.
- Dingman,, K. L., **R. O. Kimmel**, D. Krez, B. R. McMillan. 2005. Factors affecting spring wild turkey hunting quality in Minnesota. *National Wild Turkey Symposium 9*. In Review.
- Ermer, J. R., **K. J. Haroldson**, **R. O. Kimmel** C. D. Dieter P. D. Evenson, and B. D. Berg. 2005. Winter roost microhabitats of wild turkeys in Minnesota. *National Wild Turkey Symposium 9*. In Review.
- Fieberg, J.** 2004. Role of parameter uncertainty in assessing harvest strategies. *North American Journal of Fisheries Management* 24:459-474.
- Fieberg, J.** 2004. Population viability analysis (book review). *Journal of Biogeography* 31:515-516.
- Fieberg, J.** and C. Kochanny. 2005. Quantification of home range overlap. *Journal of Wildlife Management*. In press.

- Fieberg, J.** and K. Jenkins. 2005. Assessing uncertainty in ecological systems using global sensitivity analysis: a case example of simulated wolf reintroduction effects on elk. *Ecological Modeling*. In press.
- ***Garshelis, D.L.** 2004. Variation in ursid life histories — is there an outlier? Pages 53–73 in D. Lindburg and K. Baragona, editors, *Biology and conservation of the giant panda*. University of California Press, Berkeley.
- Garshelis, D.L.,** M.L. Gibeau, and S. Herrero. 2005. Grizzly bear demographics in and around Banff National Park and Kananaskis Country, Alberta. *Journal of Wildlife Management* 69:277–297.
- Garshelis, D.L.,** and H. Hristienko. 2005. State and provincial estimates of American black bear numbers versus agency assessments of population trend. *Ursus*: In Review.
- Garshelis, D.L.,** and **K.V. Noyce.** 2005. Ascertaining population trends of black bears from serial population estimates. *Journal of Wildlife Management*: In Review.
- Goetz, S. L. ,** and W. F. Porter 2005. Statewide Assessment of Wild Turkey Habitat Using Satellite Imagery in Arkansas. *National Wild Turkey Symposium 9*. In Review.
- Gorman, T. A., B. R. McMillan, **J. D. Erb,** C. S. DePerno, and D. J. Martin. Survival and cause-specific mortality of a protected population of river otter (*Lontra canadensis*) in Minnesota. *Canadian Journal of Zoology*. In Review.
- Gorman, T. A., **J. D. Erb,** B. R. McMillan, D. J. Martin, and J. A. Homyack. Site Characteristics of River Otter (*Lontra canadensis*) Natal Dens in Minnesota. *American Midland Naturalist*. In Review.
- Grund, M. D.,** and A. Woolf. 2004. Development and evaluation of an accounting model for estimating deer population sizes. *Ecological Modeling* 180:345-357.
- Hanson, M.A.,** K.D. Zimmer, M.G. Butler, B.A. Tangen, B.R. Herwig, and N.H. Euliss, Jr. Biotic Interactions as determinants of ecosystem structure in prairie wetlands. *Wetlands*. In Review.
- Haroldson, K. J., R. O. Kimmel, M. R. Riggs,** and **A. H. Berner.** 2005. Association of ring-necked pheasant, gray partridge, and meadowlark abundance to CRP grasslands. *Journal of Wildlife Management*. In Review.
- Higgins, K. F., **R. G. Osborn,** D. E. Naugle, and K. K. Bakker. 2004. Contrasting the potential effects of biomass fuel, soy-based fuel, ethanol and wind energy developments on Northern Great Plains wildlife. *Transactions of the North American Wildlife Conference* 69:199-214.
- Kimmel, R. O.,** and **W. J. Krueger** 2005. Northern wild turkeys: issues or opportunity. *National Wild Turkey Symposium 9*. In Review.
- Larson, M. A.,** F. R. Thompson, III, J. J. Millspaugh, W. D. Dijak, and S. R. Shifley. 2004. Linking population viability, habitat suitability, and landscape simulation models for conservation planning. *Ecological Modelling* 180(1):103–118.
- Long, E. S., D. R. Diefenbach, C. S. Rosenberry, B. D. Wallingford, and **M. D. Grund.** 2005. Landscape structure influences dispersal of white-tailed deer. *Journal of Mammalogy*. In press.
- Noyce, K.V.,** and **D.L.Garshelis.** 2005. Minnesota black bear status report. *Eastern Black Bear Workshop*: In press.
- Millspaugh, J. J., R. Gitzen, B. J. Kernohan, **M. A. Larson,** and C. Clay. 2004. Comparability of three analytical techniques to assess joint space use. *Wildlife Society Bulletin* 32(1):148–157.

- Raizman, E. A., S. J. Wells, P. A. Jordan, **G. D. DelGiudice**, and R. R. Bey. 2004. Mycobacterium avium subsp paratuberculosis from free-ranging deer and rabbits surrounding Minnesota dairy herds. Canadian Journal of Veterinary Research. Res. In press.
- Scheffer, M., K. Zimmer, E. Jeppesen, M.G. Butler, G.J. van Geest, **M.A. Hanson**, M.Sondergaard, S. Declerck, and L. De Meester. Small habitat size and isolation can promote species richness: second-order effects and biodiversity in shallow lakes and ponds. *Oikos*. In Review.
- ***Zicus, M. C.** 2005. The common goldeneye. Pages 730-735 in J. Kear, ed. Bird families of the world: ducks, geese, and swans. Oxford University Press, Oxford, UK.
- ***Zicus, M. C., D. P. Rave**, and M. R. Riggs. 2004. Factors influencing incubation egg mass loss for three species of waterfowl. *Condor* 106:506-516.
- Zicus, M. C., D. P. Rave**, A. Das, M. R. Riggs, and M. L. Buitenwerf. Influence of land use on mallard nest structure occupancy. *Journal of Wildlife Management*. In Review.

OTHER PUBLICATIONS REPORTS EDITORSHIPS

DelGiudice, G. D., J. Fieberg, M. R. Riggs, and **M. Carstensen Powell**. 2004. Considering age structure in survival analyses – case study of female white-tailed deer. Proceedings of The Wildlife Society Eleventh Annual Conference, September 18-22, 2004, Calgary, Alberta, Canada.

