

Name Brett K. Sandercock

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Publications:

1. MANUSCRIPTS IN REVIEW

Augustine, J.K., and B.K. Sandercock. Demography of female Greater Prairie-Chickens in unfragmented grasslands in Kansas. *Avian Conservation and Ecology-Ecologie et Conservation des Oiseaux*, submitted, December 2009.

Casey, A.E., B.K. Sandercock, and S.M. Wisely. Genetic parentage and local population structure in the socially monogamous Upland Sandpiper. *Auk*, resubmitted, December 2009.

Johnson, T.N., and B.K. Sandercock. Winter grazing may restore tallgrass prairie and associated songbird populations in tall fescue pasture. *Rangeland Ecology and Management*, invited to resubmit, October 2009, in revision.

Augustine, J.K., J.J. Millspaugh, and B.K. Sandercock. Testosterone: a proximate factor mediating mating success in male Greater Prairie-Chickens? *Studies in Avian Biology*, revisions submitted, September 2009.

Gregory, A.J., L.B. McNew, T.J. Prebyl, B.K. Sandercock, and S.M. Wisely. A multiscale hierarchical modeling approach to mapping Greater Prairie-Chicken (*Tympanuchus cupido*) lekking habitat in eastern Kansas. *Studies in Avian Biology*, revisions submitted, September 2009.

Hagen, C.A., J.C. Pitman, T.M. McLoughlin, B.K. Sandercock, and R.J. Robel. Potential impacts of anthropogenic features on Lesser Prairie-Chicken habitat use. *Studies in Avian Biology*, revisions submitted, September 2009.

McNew, L.B., A.J. Gregory, S.M. Wisely, and B.K. Sandercock. Reproductive chronology of Greater Prairie-Chickens in Kansas. *Studies in Avian Biology*, revisions submitted, September 2009.

McNew, L.B., A.J. Gregory, S.M. Wisely, and B.K. Sandercock. Evidence of human-mediated life-history evolution in Greater Prairie-Chickens. *Studies in Avian Biology*, revisions submitted, September 2009.

Shardlow, M.R., C.P. Paukert, B.K. Sandercock, and P.S. Gipson. Factors affecting the detectability of river otters during sign surveys. *Journal of Wildlife Management*, submitted, September 2009.

Johnson, T.L., J.F. Cully Jr., S.K. Collinge, C. Ray, C.M. Frey, and B.K. Sandercock. Spread of sylvatic plague among black-tailed prairie dogs is associated with colony

- spatial characteristics. *Journal of Wildlife Management*, invited to resubmit, August 2009, in revision.
- Kaler, R.S.A., and B.K. Sandercock. Nest site selection and brood movements of a recently translocated population of island ptarmigan. *Studies in Avian Biology*, invited to resubmit, August 2009, in revision.
- Taylor, C.M., D.B. Lank, and B.K. Sandercock. Using local dispersal data to improve estimates of mate fidelity and survivorship. *Ecology*, submitted, June 2009.
- Gregory, A.J., R.S.A. Kaler, T.J. Prebyl, B.K. Sandercock, and S.M. Wisely. Breeding biology informs the conservation of a recently translocated island population of Rock Ptarmigan. *Evolutionary Applications*, invited to resubmit, May 2009, in revision.

2. PEER-REVIEWED PUBLICATIONS

- Hagen, C.A., J.C. Pitman, B.K. Sandercock, D.H. Wolfe, R. J. Robel, R.D. Applegate, and S.J. Oyler-McCance. 2010. Regional mtDNA structure of the Lesser Prairie-Chicken. *Condor*, accepted October 2009.
- Kaler, R.S.A., S.E. Ebbert, C.E. Braun, and B.K. Sandercock. 2010. Demography of a reintroduced population of Evermann's Rock Ptarmigan in the Aleutian Islands. *Wilson Journal of Ornithology* 122:1-14.
- Nol, E., S. Williams, and B.K. Sandercock. 2010. Natal philopatry and apparent survival of juvenile Semipalmated Plovers. *Wilson Journal of Ornithology* 122:23-28.
- Strum, K.M., M.J. Hooper, K.A. Johnson, R.B. Lanctot, M.E. Zaccagnini, and B.K. Sandercock. 2010. Exposure of migratory nonbreeding shorebirds to cholinesterase-inhibiting contaminants in the Western Hemisphere. *Condor*, accepted October 2009.
- Casey, A.E., K.L. Jones, B.K. Sandercock, and S.M. Wisely. 2009. Heteroduplex molecules cause sexing errors in a standard molecular protocol for avian sexing. *Molecular Ecology Resources* 9:61-65.
- Franks, S.E., D.B. Lank, D.R. Norris, B.K. Sandercock, C.M. Taylor, and T.J. Kyser. 2009. Feather isotope analysis discriminates age-classes of Western, Least, and Semipalmated Sandpipers when plumage methods are unreliable. *Journal of Field Ornithology* 80:51-63.
- Hagen, C.A., B.K. Sandercock, J.C. Pitman, R.J. Robel, and R.D. Applegate. 2009. Spatial variation in Lesser Prairie-Chicken demography: a sensitivity analysis of population dynamics and management alternatives. *Journal of Wildlife Management* 73:1325-1332.

- Johnson, T.N., R.D. Applegate, D.E. Hoover, P.S. Gipson, and B.K. Sandercock. 2009. Evaluating avian community dynamics in restored riparian habitats with mark-recapture models. *Wilson Journal of Ornithology* 121:22-40.
- Kaler, R.S.A., L.A. Kenney, and B.K. Sandercock. 2009. Breeding ecology of Kittlitz's Murrelets at Agattu Island, Aleutian Islands, Alaska. *Waterbirds* 32:363-373 (lead article).
- Dalgleish, H.J., A.R. Kula, D.C. Hartnett, and B.K. Sandercock. 2008. Responses of two bunchgrasses to nitrogen addition in tallgrass prairie: the role of bud bank demography. *American Journal of Botany* 95:672-680.
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- Kosciuch, K.L., and B.K. Sandercock. 2008. Cowbird removals unexpectedly increase productivity of a brood parasite and their songbird host. *Ecological Applications* 18:537-548.
- Nooker, J.K., and B.K. Sandercock. 2008. Phenotypic correlates and survival consequences of male mating success in lek-mating Greater Prairie-Chickens (*Tympanuchus cupido*). *Behavioral Ecology and Sociobiology* 62:1377-1388.
- Sandercock, B.K., A.E. Casey, D.E. Green, H.S. Ip, and K.A. Converse. 2008. Reovirus associated with mortality of an Upland Sandpiper. *Wader Study Group Bulletin* 115:60-61.
- Sandercock, B.K., E.L. Hewett, and K.L. Kosciuch. 2008. Effects of experimental cowbird removals on brood parasitism and nest predation of a grassland songbird. *Auk* 125:820-830.
- Sandercock, B.K., W.E. Jensen, C.K. Williams, and R.D. Applegate. 2008. Demographic sensitivity of population change in the Northern Bobwhite. *Journal of Wildlife Management* 72:970-982.
- Strum, K.M., M. Alfaro, B. Haase, M.J. Hooper, K.A. Johnson, R.B. Lanctot, A.J. Lesterhuis, L. López, A.C. Matz, C. Morales, B. Paulson, B.K. Sandercock, J. Torres-Dowdall, and M.E. Zaccagnini. 2008. Plasma cholinesterases for monitoring pesticide exposure in Nearctic-Neotropical migratory shorebirds. *Ornithología Neotropical* 19(Suppl.):641-651.
- Hagen, C.A., J.C. Pitman, B.K. Sandercock, R.J. Robel, and R.D. Applegate. 2007. Age-specific survival and probable causes of mortality in female Lesser Prairie-Chickens. *Journal of Wildlife Management* 71:518-525.
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- Sandercock, B.K. 2006. Estimation of demographic parameters from live encounter data: a summary review. *Journal of Wildlife Management* 70:1504-1520 (invited review).
- Wilgers, D.J., E.A. Horne, B.K. Sandercock, and A.W. Volkmann. 2006. Effects of rangeland management on community dynamics of the herpetofauna of the tallgrass prairie. *Herpetologica* 62:378-388.
- Sandercock, B.K., K. Martin, and S.J. Hannon. 2005a. Demographic consequences of age-structure in extreme environments: population models for arctic and alpine ptarmigan. *Oecologia* 146:13-24.
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- Johnson, T.N., and B.K. Sandercock. 2005. Winter grazing increases native prairie grasses in fescue-dominated pastures (Kansas). *Ecological Restoration* 23:115-116.
- Rivers, J.W., and B.K. Sandercock. 2004. Predation by Gray Catbird on Brown Thrasher eggs. *Southwestern Naturalist* 49:101-103.
- Blomqvist, D., M. Andersson, C. Küpper, I.C. Cuthill, J. Kis, R.B. Lanctot, B.K. Sandercock, T. Székely, J. Wallander, and B. Kempenaers. 2003. Evolutionary biology: why do birds engage in extra-pair copulation? *Nature* 422: 834-835 (rebuttal).

- Sandercock, B.K. 2003. Estimation of survival rates for wader populations: a review of mark-recapture methods. *Wader Study Group Bulletin* 100:163-174 (invited paper).
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- Sandercock, B.K. 1994. The effect of manipulated brood size on parental defence in a precocial bird, the Willow Ptarmigan. *Journal of Avian Biology* 25:281-286.
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3. NOTES, ABSTRACTS AND BOOK REVIEWS

- Fill, J.F., P.E. Klug, and B.K. Sandercock. 2009. The influence of habitat variation on snake body temperature and behavior on Konza Prairie. *Integrative and Comparative Biology* 49:E55 (abstract).
- McNew, L.B., A.J. Gregory, S.M. Wisely, and B.K. Sandercock. 2009. Estimating the stage of incubation for nests of Greater Prairie-chickens using egg flotation: a float curve for grouse. *Grouse News* 38:12-14.
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Lanctot, R.B., B.K. Sandercock, and B. Kempenaers. 1997. Breeding displays in an arctic wader: who does them and how display intensity relates to mate acquisition and nesting success. *Advances in Ethology* 32:212 (abstract).