

Except from: Kellett, D. K., and R. T. Alisauskas. 2009. Standard operating procedures for arctic ecosystem research at Karrak Lake, Nunavut. Science and Technology Branch, Environment Canada, Saskatoon, Saskatchewan. 64 pages.

APPENDIX A: Alisauskas Karrak Lake / QMGBS: Theses and Publications

Geese:

- Samelius, G., and R. T. Alisauskas. 2009. Habitat alteration by geese at a large arctic goose colony: consequences for lemmings and voles. *Canadian Journal of Zoology* 87:95-101.
- Alisauskas, R. T., K. L. Drake, and J. D. Nichols. 2008. Filling a void: abundance estimation of North American populations of arctic geese using hunter recoveries. Pages 463-489 in: D. L. Thompson et al. (eds.), *Modeling Demographic Processes in Marked Populations*. Environmental and Ecological Statistics 3.
- Harriman, V. B., R. T. Alisauskas, and G. A. Wobeser. 2008. The case of the blood-covered egg: ectoparasite abundance in an arctic goose colony. *Canadian Journal of Zoology* 86:959-965.
- Alisauskas, R. T., K. L. Drake, S. M. Slattery, and D. K. Kellett. 2006. Neckbands, harvest, and survival of Ross's geese from Canada's central arctic. *Journal of Wildlife Management* 70:89-100.
- Alisauskas, R. T., J. W. Charlwood, and D. K. Kellett. 2006. Vegetation correlates of nesting history and density by Ross's and Lesser Snow Geese at Karrak Lake, Nunavut. *Arctic* 59:201-210.
- Harriman, V. B. 2006. Parasite-host interactions in an arctic goose colony. M.Sc. thesis, University of Saskatchewan.
- Drake, K. L. 2006. The role of dispersal in population dynamics of breeding Ross's Geese. Ph.D. thesis, University of Saskatchewan.
- Drake, K. L., and R. T. Alisauskas. Breeding dispersal by Ross's Geese in the Queen Maud Gulf metapopulation. *Animal Biodiversity and Conservation* 27:331-341.
- Alisauskas, R. T., and M. S. Lindberg. 2002. Effects of neckbands on survival and fidelity of white-fronted and Canada geese captured as non-breeding adults. *Journal of Applied Statistics* 29:521-537.
- Slattery, S. M., and R. T. Alisauskas. 2002. Use of the Barker model in an experiment examining covariate effects on first-year survival in Ross's geese (*Chen rossii*): a case study. *Journal of Applied Statistics* 29:497-508.
- Gloutney, M. L., R. T. Alisauskas, A. D. Afton, and S. M. Slattery. 2001. Foraging time and dietary intake by breeding Ross's and lesser snow geese. *Oecologia* 127: 78-86.
- Slattery, S. M. 2000. Factors affecting first year survival in Ross's geese. Ph.D. thesis, University of Saskatchewan.
- Craig, L. M. 1999. Comparative incubation ecology of Ross's and lesser snow geese at Karrak Lake, Nunavut. M.Sc. thesis, University of Saskatchewan.
- Dunn, P. O., A. D. Afton, M. L. Gloutney, and R. T. Alisauskas. 1999. Forced copulation results in few extrapair fertilizations in Ross's and lesser snow geese. *Animal Behaviour* 57: 1071-1081.
- Gloutney, M. L., R. T. Alisauskas, K. A. Hobson, and A. D. Afton. 1999. Use of supplemental food by breeding Ross's geese and lesser snow geese: evidence for variable anorexia. *Auk* 116: 97-108.
- Alisauskas R. T., S. M. Slattery, J. P. Ryder, M. L. Gloutney, A. D. Afton, R. H. Kerbes, and M. R. McLandress. 1998. Discrimination of Ross's and lesser snow goose eggs. *Journal of Field Ornithology* 69: 647-653.
- LeSchack, C. R., A. D. Afton, and R. T. Alisauskas. 1998. Effects of male removal on female reproductive biology in Ross' and lesser snow geese. *Wilson Bulletin* 110: 56-64.
- Slattery S. M., and R. T. Alisauskas. 1998. Egg characteristics and body reserves of neonate Ross' and Lesser snow geese: erratum. *Condor* 100: 558.
- Slattery, S. M., G. Samelius, R. T. Alisauskas, J. R. Danielson, and F. P. Moore. 1998. For whom the geese toll: Aberrant or adaptive behaviour in Ross's *Chen rossii* and lesser snow geese *Chen caerulescens caerulescens*? *Wildfowl* 49: 242-245.
- Bon, R. L. 1997. Spring nutritional ecology of migrating and breeding Ross' geese. M.Sc. thesis, University of Saskatchewan.
- McCracken, K. G., A. D. Afton, and R. T. Alisauskas. 1997. Nest morphology and body size of Ross' geese and lesser snow geese. *Auk* 114: 610-618.

- Slattery, S. M., R. T. Alisauskas. 1995. Egg characteristics and body reserves of neonate Ross' and lesser snow geese. *Condor* 97: 970-984.
- Alisauskas, R. T., and H. Boyd. 1994. Previously unrecorded colonies of Ross' and lesser snow geese in the Queen Maud Gulf Bird Sanctuary. *Arctic* 47: 69-73.
- Slattery, S. M. 1994. Neonate reserves, growth and survival of Ross's and lesser snow goose goslings. M.Sc. thesis, University of Saskatchewan.

King Eiders and Long-tailed Ducks:

- Wayland, M., R. T. Alisauskas, D. K. Kellett, and K. R. Mehl. 2008. Trace element concentrations in blood of nesting king eiders in the Canadian arctic. *Archives of Environmental Contamination and Toxicology* 55:683-690.
- Wayland, M., K. L. Drake, R. T. Alisauskas, D. K. Kellett, J. Traylor, C. Swoboda, and K. Mehl. 2008. Survival rates and blood metal concentrations in two species of free-ranging North American sea ducks. *Environmental Toxicology and Chemistry* 27:698-704.
- Mehl, K. R., and R. T. Alisauskas. 2007. King eider (*Somateria spectabilis*) brood ecology: correlates of duckling survival. *Auk* 124:606-618.
- Wayland, M., R. T. Alisauskas, D. Kellett, J. Traylor, C. Swoboda, E. Neugebauer, and K. Mehl. 2007. Year-to-year correlations in blood metal levels among individuals of two species of North American sea ducks. *Environmental Pollution* 150:329-337.
- Lawson, S. L. 2006. Comparative reproductive strategies between long-tailed ducks and king eiders at Karrak Lake, Nunavut: use of energy resources during the nesting season. M.Sc. thesis, University of Saskatchewan.
- Kellett, D. K., R. T. Alisauskas, K. R. Mehl, K. L. Drake, J. J. Traylor, and S. L. Lawson. 2005. Body mass of long-tailed ducks (*Clangula hyemalis*) during incubation. *Auk* 122:313-318.
- Mehl, K. R., R. T. Alisauskas, K. A. Hobson, and F. Merkel. 2005. Linking breeding and wintering grounds of king eiders: Making use of polar isotopic gradients. *Journal Wildlife Management* 69:1297-1304
- Mehl, K. R., R. T. Alisauskas, K. A. Hobson, and D. K. Kellett. 2004. To winter east or west? Heterogeneity in winter philopatry in a central-arctic population of king eiders. *Condor* 106:241-251.
- Mehl, K. R. 2004. Brood ecology and population dynamics of king eiders. Ph.D. thesis University of Saskatchewan.
- Kellett, D. K., R. T. Alisauskas, and K. R. Mehl. 2003. Nest site selection, interspecific associations, and nest success of king eiders. *Condor* 105:373-378.
- Anderson, V. R., and R. T. Alisauskas. 2002. Composition and growth of king eider ducklings in relation to egg size. *Auk* 119: 62-70.
- Anderson, V. R., and R. T. Alisauskas. 2001. Egg size, body size, locomotion, and feeding performance in captive king eider ducklings. *Condor* 103: 195-199.
- Kellett, D. K., and R. T. Alisauskas. 2000. Body-mass dynamics of king eiders during incubation. *Auk* 117: 812-817.
- Anderson, V. R. 1999. Egg size, duckling composition, growth and motor performance in king eiders. M.Sc. thesis, University of Saskatchewan.
- Kellett, D. K. 1999. Causes and consequences of variation in nest success of king eiders at Karrak Lake, Northwest Territories. M.Sc. thesis, University of Saskatchewan.
- Kellett, D. K., and R. T. Alisauskas. 1997. Breeding biology of king eiders nesting on Karrak Lake, Northwest Territories. *Arctic* 50: 47-54.

Arctic Fox:

- Samelius, G., R. T. Alisauskas, K. A. Hobson, and S. Larivière. 2007. Prolonging the arctic pulse: long-term exploitation of cached eggs by arctic foxes when lemmings are scarce. *Journal of Animal Ecology* 76:873-880.
- Samelius, G., R. T. Alisauskas, and S. Larivière. 2007. Survival rate of experimental food caches: implications for arctic foxes. *Canadian Journal of Zoology* 85:397-403.
- Samelius, G. 2006. Foraging behaviours and population dynamics of arctic foxes. Ph.D. thesis, University of Saskatchewan.
- Dalén L., E. Fuglei, P. Hersteinsson, C. M. O. Kapel, J. D. Roth, G. Samelius, M. Tannerfeldt, and A. Angerbjörn. 2005. Population history and genetic structure of a circumpolar species: the arctic fox. *Biological Journal of the Linnean Society* 84: 79-89.

- Hendrickson C. J., G. Samelius, R. T. Alisauskas, and S. Larivière. 2005. Simultaneous den use by arctic foxes and wolves at a den site in Nunavut, Canada. *Arctic* 58: 418-420.
- Samelius G., S. Larivière, and R. T. Alisauskas. 2003. Immobilization of arctic foxes with tiletamine hydrochloride and zolazepam hydrochloride (Zoletil®). *Wildlife Society Bulletin. In press.*
- Bantle, J. L., and R. T. Alisauskas. 1998. Spatial and temporal patterns in arctic fox diets at a large goose colony. *Arctic* 51: 231-236.
- Bantle, J. L. 1998. Arctic fox predation on Ross's and lesser snow geese. M.Sc. thesis, University of Saskatchewan.

Gulls:

- Samelius, G., and R. T. Alisauskas. 1999. Diet and growth of glaucous gulls at a large Arctic goose colony. *Canadian Journal of Zoology* 77: 1327-1331.

Wolverines:

- Samelius G., R. T. Alisauskas, S. Larivière, C. Bergman, C. J. Hendrickson, K. Phipps, and C. Wood. 2002. Foraging behaviours of wolverines at a large arctic goose colony. *Arctic* 55: 148-150.

