

## Wildlife Research and Monitoring Section: Publications by Year

Listed below are publications authored or co-authored by Wildlife Research and Monitoring Section staff – sorted by year.

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### 2013

Oral vaccination and protection of red foxes (*Vulpes vulpes*) against rabies using ONRAB<sup>®</sup>, an adenovirus-rabies recombinant vaccine. Brown, L.J., R.C. Rosatte, C. Fehlner-Gardiner, P. Bachmann, J.A. Ellison, F.R. Jackson, J.S. Taylor, C. Davies, and D. Donovan. 2014. *Vaccine* 32:984-989.

Occupancy patterns of large mammals in the Far North of Ontario under imperfect detection and spatial autocorrelation. Poley, L.J., B.A. Pond, J.A. Schaefer, G.S. Brown, J.C. Ray and D.S. Johnson. 2014. *Journal of Biogeography* 41(1): 122-132.

Assessing the cryptic invasion of a domestic conspecific: American mink in their native range. Beauclerc, K. B., J. Bowman, A. I. Schulte-Hostede. 2013. *Ecology and Evolution* 3:2296-2309.

Inter-specific territoriality in a *Canis* hybrid zone: Spatial segregation between wolves, coyotes, and hybrids. Benson, J. and B.R. Patterson. 2013. *Oecologia*.

Moose predation by eastern coyotes and coyote-wolf hybrids. Benson, J. and B.R. Patterson. 2013. *Canadian Journal of Zoology* 91:1-5

Genetic and environmental influences on pup mortality risk for wolves and coyotes within a *Canis* hybrid zone. Benson, J.F. K.J.Mills, K.M. Loveless, and B.R. Patterson. 2013. *Biological Conservation* 166:133-141.

Environmentally enriched male mink gain more copulations than stereotypic, barren-reared competitors. Díez-León, M., J. Bowman, S. Bursian, H. Filion, D. Galicia, J. Kanefsky, A. Napolitano, R. Palme, A.I. Schulte-Hostedde, K. Scribner, and G. Mason. 2013. *PLoS One* 8(8):e80494

Trace elements in claw keratin as temporally explicit indicators of geographic origin in terrestrial mammals. Ethier, D. M., C. J. Kyle, T. K. Kyser and J. J. Nocera. 2013. *Annales Zoologici Fennici* 50:89-99.

Fine-scale analysis reveals cryptic patterns of genetic structure in Canada geese. Finnegan, L, S. Castillo, J. Hughes, K.F. Abraham, R.W. Brook and C.J. Kyle. 2013. *The Condor* 115, Number 4:738-749.

Maladaptive habitat use of a North American Woodpecker in population decline. Frei, B., J.W. Fyles and J.J. Nocera. 2013. *Ethology. International Journal of Behavioural Biology* 119:377-388.

Complex social structure of southern flying squirrels is related to spatial proximity but not kinship. Garroway, C. J., J. Bowman and P. J. Wilson. 2013. *Behavioral Ecology and Sociobiology* 67:113-122.

Predators, alternative prey and climate influence annual breeding success of a long-lived sea duck. Iles, D. T., R. F. Rockwell, P. Matulonis, G. J. Robertson, K. F. Abraham, J. C. Davies and D. N. Koons. 2013. *Journal of Animal Ecology*.

Spatial occupancy models for large data sets. Johnson, D. S., P. B. Conn, M. B. Hooten, J. C. Ray and B. A. Pond. 2013. *Ecology* 94(4):801-808

The sensitivity of genetic connectivity measures to unsampled and under-sampled sites. Koen, E. L., J. Bowman, C. J. Garroway, and P. J. Wilson. 2013. *PLoS One* 8. 13 p.

Decadal changes in vegetation of a subarctic salt marsh used by lesser snow and Canada geese. Kotanen, P. M. and K. F. Abraham. 2013. *Plant Ecology* 214:409-422.

Factors affecting the responses of female Canada Geese to disturbance during incubation. Miller, V., K. F. Abraham and E. Nol. 2013. *Journal of Field Ornithology* 84(2):171-180.

Ultrasonic vocalizations emitted by flying squirrels. Murrant, M.N., J. Bowman, C.J. Garroway, B. Prinzen, H. Mayberry and P.A. Faure. 2013. *PLoS One* 8(8):e73045.

Physiological adaptations to prolonged fasting in the overwintering striped skunk (*Mephitis mephitis*). Mustonen, A.-M., J. Bowman, C. Sadowski, L.A. Nituch, L. Bruce, T. Halonen, K. Puukka, K. Rouvinen-Watt, J. Aho and P. Nieminen. 2013. *Comparative Biochemistry and Physiology, Part A* 166:555-563.

Directional selection and repeatability in nest-site preferences of Semipalmated Plovers (*Charadrius semipalmatus*). Nguyen, L.P., E. Nol, K.F. Abraham and C. Lishman. 2013. *Canadian Journal of Zoology* 91:646-652.

Relationships between carotenoid-based female plumage and age, reproduction, and mate colour in the American Redstart (*Setophaga ruticilla*). Osmond, M. M. M. W. Reudink, R. R. Germain, P. P. Marra, J. J. Nocera, P. T. Boag and L. M. Ratcliffe. 2013. *Canadian Journal of Zoology* 91:589-595.

Modelling the effect of landscape heterogeneity on the efficacy of vaccination for wildlife infectious disease control. Rees, E.E., B.A. Pond, R.R. Tinline and D. Belanger. 2013. *Journal of Applied Ecology* 50(4): 881-891.

New Range Records of Mosquitoes (Diptera: Culicidae) from Northern Ontario. Ringrose, J.L., K.F. Abraham and D.V. Beresford. 2013. *Journal of the Entomological Society of Ontario* 144:3-14.

The restoration of elk (*Cervus elaphus*) in Ontario, Canada, 1998-2012: research and management implications. Rosatte, R. 2013. *In* P.S. Soorae editor. Global reintroduction perspectives, IUCN Re-introduction Specialist Group, Abu Dhabi, pp 180-185.

Rabies control in wild carnivores. Rosatte, R. 2013. *In* Rabies: scientific basis of the disease and its management, Third Edition (Elsevier/Academic Press). A. Jackson editor, pp 617-670.

Allocation of nutrients to reproduction at high latitudes: insights from two species of sympatrically nesting geese. Sharp, C. M., K. F. Abraham, K. A. Hobson and G. Burness. 2013. *Auk* 130(1):171-179.

An assessment of ONRAB<sup>®</sup> oral rabies vaccine persistence in free ranging mammal populations in Ontario, Canada. Sobey, K.G., A.A. Walpole, R. Rosatte, C. Fehlner-Gardiner, D. Donovan, P. Bachmann, S. Coulson, A. Beresford, L. Bruce and C.J. Kyle. 2013. *Vaccine* 31:2207-2213.

Innate immune responses in raccoons after raccoon rabies virus infection. Srithayakum, V., H. Sribalachandran, R. Rosatte, S.A. Nadin-Davis and C.J. Kyle. 2013. *Journal of General Virology* 95:16-25.

Y-chromosome evidence supports asymmetric dog introgression into eastern coyotes. Wheeldon, T.J. L.Y. Rutledge, B.R. Patterson, B.N. White and P.J. Wilson. 2013. *Ecology and Evolution*.

## **2012**

Recent changes in summer distribution and numbers of migratory caribou on the southern Hudson Bay coast. Abraham, K. A., B. A. Pond, S. M. Tully, V. Trim, D. Hedman, C. Chenier and G. D. Racey. 2012. *Rangifer* 20:269-276.

Northern wetland ecosystems and their response to high densities of lesser snow geese and Ross's geese. Evaluation of special management measures for midcontinent lesser snow geese and Ross's geese. Abraham, K.F., R.L. Jefferies, R.T. Alisauskas and R.F. Rockwell. 2012. Arctic Goose Joint Venture Special Publication. U.S. Fish and Wildlife Service, Washington D.C. and Canadian Wildlife Service, Ottawa, Ontario. Pp 9-45.

Spatial genetic and morphologic structure of wolves and coyotes in relation to environmental heterogeneity in a *Canis* hybrid zone. Benson, J. F., B. R. Patterson and T. J. Wheeldon. 2012. *Molecular Ecology* 21:5934-5954.

Testing for bias in a sentinel species: contaminants in free-ranging domestic, wild, and hybrid mink. Bowman, J., A. G. Kidd, P. A. Martin., T. V. McDaniel, L. A. Nituch, and A. I. Schulte-Hostedde. 2012. *Environmental Research* 112:77-82.

Abundance and habitat selection of breeding scoters (*Melanitta* spp.) in Ontario's Hudson Bay Lowlands. Brook, R. W., K. F. Abraham, K. R. Middel and R. K. Ross. 2012. *The Canadian Field-Naturalist* 126:20-27.

Immune response and protection in raccoons (*Procyon lotor*) following consumption of baits containing ONRAB<sup>®</sup>, a human adenovirus rabies glycoprotein recombinant vaccine. Brown, L. J., R. C. Rosatte, C. Fehlner-Gardiner, J. S. Taylor, J. C. Davies and D. Donovan. 2012. *Journal of Wildlife Diseases* 48(4):1010-1020.

Population ecology and matrix demographic modeling of American martens and fishers. Buskirk, S.W., J. Bowman, and J. H. Gilbert. 2012. In: *Biology and conservation of martens, sables, and fishers: a new synthesis*. K. B. Aubry et al (eds). Cornell University Press pp. 77-92.

What are the toxicological effects of mercury in Arctic biota? Dietz, R., C. Sonne, N. Basu, B. Braune, T. O'Hara, R. J. Letcher, T. Scheuhammer, M. Andersen, C. Andreasen, M. E. Obbard et al. 2012. *Science of the Total Environment* 443:775-790.

Population subdivision and peripheral isolation in American badgers (*Taxidea taxus*) and implications for conservation planning in Canada. Ethier, D. M., A. Lafleche, B. J. Swanson, J. J. Nocera and C. J. Kyle. 2012. *Canadian Journal of Zoology* 90:630-639.

Comparing ONRAB<sup>®</sup> and RABORAL V-RG oral rabies vaccine field performance in raccoons and striped skunks, New Brunswick, Canada, and Maine, USA. Fehlner-Gardiner, C., R. Rudd, D. J. Donovan, D. Slate, L. Kempf and J. Badcock. 2012. *Journal of Wildlife Diseases* 48(1):157-167.

Vocal and visual conspecific cues influence the behavior of chimney swifts at provisioned habitat. Finity, L., and J. J. Nocera. 2012. *Condor* 114:323-328.

Contribution of dogs to white-tailed deer hunting success. Godwin, C., J.A. Schaefer, B.R. Patterson and B.A. Pond. 2012. *Journal of Wildlife Management* 77:290-296.

Prior reproduction and weather affect berry crops in central Ontario, Canada. Howe, E.J., M.E. Obbard and J. Bowman. 2012. *Population Ecology* 54:347-356.

The effects of cost surface parameterization on landscape resistance estimates. Koen, E.L., J. Bowman and A.A. Walpole. 2012. *Molecular Ecology* 12(4):686-696.

Landscape resistance and American marten gene flow. Koen, E.L., J. Bowman, C.J. Garroway, S.C. Mills and P.J. Wilson. 2012. *Landscape Ecology* 27:29-43.

Polar and brown bear genomes reveal ancient admixture and demographic footprints of past climate change. Miller, W., S. C. Schuster, A. J. Welch, A. Ratan, O. C. Bedoya-Reina, F. Zhao, H. Lim Kim, R. C. Burhans, D. I. Drautz, N. E. Wittekindt, L. P. Tomsho, E. Ibarra-Laclette, M. E. Obbard et al. 2012. *Proceedings of the National Academy of Sciences*. 9 p.

The effect of paved road density on white-tailed deer abundance. Munro, K., J. Bowman, and L. Fahrig. 2012. *Wildlife Research* 39:478-487.

Assessment of the status and viability of a moose population at its southern range limit in Ontario. Murray, D. L., K. Husey, L. Finnegan, S. J. Lowe, G. Price, J. Benson, K. Loveless, K. Middel, K. J. Mills, D. Potter, A. Silver, M. J. Fortin, B. R. Patterson and P. J. Wilson. 2012. *Canadian Journal of Zoology* 90:422-434.

Molecular epidemiology of Aleutian mink disease virus in free-ranging domestic, hybrid, and wild mink. Nituch, L.A., J. Bowman, P. Wilson, and A.I. Schulte-Hostedde. 2012. *Evolutionary Applications* 5:330-340.

Historical pesticide applications coincided with an altered diet of aerially foraging insectivorous chimney swifts. Nocera, J. J., J. M. Blais, D. V. Beresford, L. K. Finity, C. Grooms, L. E. Kimpe, K. Kyser, N. Michelutti, M. W. Reudink and J. P. Smol. 2012. *Proceedings of the Royal Society B* 279:3114-3120.

Moose calf mortality in Central Ontario, Canada. Patterson, B. R., J. F. Benson, K. R. Middel, K. J. Mills, A. Silver and M. E. Obbard. 2012. *Journal of Wildlife Management*.

Delineating genetic groupings in continuously distributed species across largely homogeneous landscapes: a study of American black bears (*Ursus americanus*) in Ontario, Canada. Pelletier, A., M. E. Obbard, K. Mills, E. J. Howe, F. G. Burrows, B. N. White and C. J. Kyle. 2012. *Canadian Journal of Zoology* 90:999-1014.

Migrant shorebird use of Akimiski Island, Nunavut: a sub-arctic staging site. Pollock, L. A., K. F. Abraham and E. Nol. 2012. *Polar Biology* 300. 11 p.

Dispersal promotes high gene flow among Canada lynx populations across mainland. Row, J.R., C. Gomez, E.L. Koen, J. Bowman, D.L. Murray, and P.J. Wilson. 2012. *North America Conservation Genetics* 13:1259-1268.

Conservation genomics in perspective: a holistic approach to understanding *Canis* evolution in North America. Rutledge, L.Y., P.J. Wilson, C.F.C. Klutsch, B.R. Patterson and B.N. White. 2012. *Biological Conservation*.

Dynamic spleen mass of wild and domestic American mink. Schulte-Hostedde, A. I., J. Bowman, and L. A. Nituch. 2012. *Biological Journal of the Linnean Society* 107:624-631.

Canid hybridization: contemporary evolution in human-modified landscapes. Stronen, A.V., N. Tessier, H. Jolicoeur, P. Paquet, M. Henault, M. Villemure, B.R. Patterson, T. Sallows, G. Goulet and F.-J. Lapointe. 2012. *Ecology and Evolution* 2(9):2128-2140.

Community level response to climate change: shifts in anuran calling phenology. Walpole, A. A., J. Bowman, D. C. Tozer, and D. S. Badzinski. 2012. *Herpetological Conservation and Biology* 7:249-257.

Functional connectivity of lynx at their southern range periphery in Ontario, Canada. Walpole, A. A., J. Bowman, D. L. Murray and P. J. Wilson. 2012. *Landscape Ecology*. 13 p.

Coyotes in Wolves' Clothing. Wheeldon, T., B. R. Patterson and D. E. Beyer. 2012. *American Midland Naturalist* 167:416-420.

Genetic and morphological differentiation of wolves (*Canis lupus*) and coyotes (*Canis latrans*) in northeastern Ontario. Wheeldon, T.J. and B.R. Patterson. 2012. *Canadian Journal of Zoology* 90:1221-1230.

Y-chromosome evidence supports widespread signatures of three-species *Canis* hybridization in eastern North America. Wilson, P.J., L.Y Rutledge, T.J. Wheeldon, B.R. Patterson and B.N. White. 2012. *Ecology and Evolution* 2(9):2325-2332.

Incidental nest predation in freshwater turtles: inter- and intraspecific differences in vulnerability are explained by relative crypsis. Wirsing, A. J., J. R. Phillips, M. E. Obbard, D. L. Murray. 2012. *Oecologia* 168:977-988.

Genetic isolation of wolverine (*Gulo gulo*) populations at the eastern periphery of their North American distribution. Zigouris, J., N. Dawson, J. Bowman, R. M. Gillett, J. A. Schaefer, and C. J. Kyle. 2012. *Conservation Genetics* 13:1543-1559.

## 2011

Immunogenicity and efficacy of two rabies vaccines in wild-caught, captive raccoons. Brown, L. J., R. C. Rosatte, C. Fehlner-Gardiner, M. K. Knowles, P. Bachmann, J. C. Davies, A. Wandeler, K. Sobey and D. J. Donovan. 2011. *Journal of Wildlife Diseases*. 471(1): 182-194

Using a genetic network to parameterize a landscape resistance surface for fishers, *Martes pennanti*. Garroway, C. J., J. Bowman, and P. J. Wilson. 2011. *Molecular Ecology*. 20: 3978-3988

The genetic signature of rapid range expansion by flying squirrels in response to contemporary climate warming. Garroway, C. J., J. Bowman, G. L. Holloway, J. R. Malcolm, and P. J. Wilson. 2011. *Global Change Biology*. 17: 1760-1769

Determinants of local and migratory movements of Great Lakes double-crested cormorants. Guillaumet, A., B. Dorr, G. Wang, J. D. Taylor II, R. B. Chipman, H. Scherr, J. Bowman, K. F. Abraham, T. J. Doyle, and E. Cranker. 2011. *Behavioral Ecology*. 22: 1096-1103

Prior reproduction and weather affect berry crops in central Ontario, Canada. Howe, E. J., M. E. Obbard and J. Bowman. 2011. *Population Ecology*. 54: 347-356  
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Oral rabies vaccination of raccoons and striped skunks with ONRAB<sup>®</sup> baits: multiple factors influence field immunogenicity. Mainguy, J., E. E. Rees, P. Canac-Marquis, D. Belanger, C. Fehlner-Gardiner, G. Seguin, S. Larrat, S. Lair, F. Landry and N. Cote. 2011. *Journal of Wildlife Diseases*. 48(4): 979-990 10.7589/2011-12-316

Mink farms predict Aleutian disease exposure in wild American mink. Nituch, L. A., J. Bowman, K. B. Beauclerc, and A. I. Schulte-Hostedde. 2011. *PLoS One*. 6(7): e21693

Population trends of grassland birds in North America are linked to the prevalence of an agricultural epizootic in Europe. Nocera, J. J. and H. M. Koslowskyb. 2011. *Proceedings of the National Academy of Sciences*. 108: 5122-5126

Mitochondrial evidence for panmixia despite perceived barriers to gene flow in a widely distributed waterbird. Oomen, R. A., M. W. Reudink, J. J. Nocera, C. M. Somers, M. C. Green and C. J. Kyle. 2011. *Journal of Heredity*. 102(5): 584-592

Small scale genetic structure of American black bears illustrates potential post-glacial recolonization routes. Pelletier, A., M. E. Obbard, B. N. White, C. Doyle and C. J. Kyle. 2011. *Journal of Mammalogy*. 92(3): 629-644

Understanding effects of barriers on the spread and control of rabies. Rees, E. E., B. A. Pond, R. R. Tinline and D. Belanger. 2011. In: *Advances in Virus Research*; Alan Jackson, Editor. Academic Press, Elsevier Inc. 79: 421-447

Targeted surveillance of raccoon rabies in Québec, Canada†. Rees, E. E., D. Bélanger, F. Lelièvre, N. Coté and L. Lambert. 2011. *Journal of Wildlife Management*. 75(6): 1406-1416

Panmixia on a continental scale in a widely distributed colonial waterbird. Reudink, M. W., C. J. Kyle, J. J. Nocera, R. A. Oomen, M. C. Green and C. M. Somers. 2011. *Biological Journal of the Linnean Society*. 102: 583-592

Evidence confirms the presence of cougars (*Puma concolor*) in Ontario, Canada. Rosatte, R. *Canadian Field Naturalist* 125: 116-125.

Evolution of wildlife rabies control tactics. Rosatte, R. C. 2011. In: *Advances in Virus Research*; Alan Jackson, Editor. Academic Press, Elsevier Inc. 79: 397-419

Presence of mammals in Ontario, Canada, verified by trail camera photographs between 2008 and 2010. Rosatte, R. C. 2011. *Canadian Field Naturalist*. 125(3): 193-199

Home range, movements, and habitat utilization of striped skunk (*Mephitis mephitis*) in Scarborough, Ontario, Canada: Disease Management Implications. Rosatte, R. C., P. Kelly and M. Power. 2011. *Canadian Field Naturalist*. 125: 27-33

High-Density Baiting with ONRAB<sup>®</sup> Rabies Vaccine Baits to Control Arctic-Variant Rabies in Striped Skunks in Ontario, Canada. Rosatte, R. D., D. Donovan, J. C. Davies, L. Brown, M. Allan, V. von Zuben, P. Bachmann, K. Sobey, A. Silver, K. Bennett, T. Buchanan, L. Bruce, M. Gibson, M. Purvis, A. Beresford, A. Beath and C. Fehlner-Gardiner. 2011. *Journal of Wildlife Diseases*. 47(2): 459-465

Allometry of the baculum and sexual size dimorphism in American martens and fishers (Mammalia: Mustelidae). Schulte-Hostedde, A. I., J. Bowman and K. R. Middel. 2011. *Biological Journal of the Linnean Society*. 104: 955-963

Genetic tracking of the raccoon variant of rabies virus in Eastern North America. Szanto, A. G., S. A. Nadin-Davis, R. C. Rosatte and B. N. White. 2011. *Epidemics*. 3: 76-87

Re-assessment of direct fluorescent antibody negative brain tissues with a real-time PCR assay to detect the presence of raccoon rabies virus RNA. Szanto, A. G., S. A. Nadin-Davis, R. C. Rosatte, and B. N. White. 2011. *Journal of Virological Methods*. 174: 110-116



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Patch occupancy by squirrels in fragmented deciduous forest: effects of behaviour. Walpole, A. A., and J. Bowman. 2011. Acta Theorologica. 56: 63-72

Movement and spread of a founding population of reintroduced elk (*Cervus elaphus*) in Ontario, Canada. Yott, A., R. C. Rosatte, J. A. Schaefer, J. Hamr, and J. Fryxell. 2011. Restoration Ecology. 19: 70-77

## **2010**

Research needs and recommendations for the use of conspecific-attraction methods in the conservation of migratory songbirds. Ahlering, M. A., D. Arlt, M. G. Betts, R. J. Fletcher Jr., J. J. Nocera, and M. P. Ward. 2010. The Condor. 112: 252-264

Species diversity of tabanidae (Diptera) on Akimiski Island, Nunavut, Canada. Beresford, D. V., S. Gan, and K. F. Abraham. 2010. In: Biological Survey of Canada Newsletter. 29: 22-34

Settlement in novel habitats induced by social information may disrupt community structure. Betts, M. G., J. J. Nocera, and A. S. Hadley. 2010. The Condor. 112: 265-273

The numerical response of breeding Northern saw-shet owls *Aegolius acadicus* suggests nomadism. Bowman, J., D. S. Badzinski, and R. J. Brooks. 2010. Journal of Ornithology. 151: 499-506

Roads, logging, and the large-mammal community of an eastern Canadian boreal forest. Bowman, J., J. C. Ray, A. J. Magoun, D. S. Johnson, and F. N. Dawson. 2010. Canadian Journal of Zoology. 88: 454-467

Characterization of major histocompatibility complex (MHC) DRB Exon 2 and DRA Exon 3 fragments. Castillo, S., V. Srithayakumar, V. Meunier, C. J. Kyle. 2010. PLoS One. 8: 9 p

Serum corticosteroid binding globulin expression is modulated by fasting in polar bears (*Ursis maritimus*). Chow, B. A., J. Hamilton, M. R. L. Cattet, G. Stenhouse, M. E. Obbard and M. M. Vijayan. 2010. Comparative Biochemistry and Physiology. 158: 111-115

Thermal properties of tree cavities during winter in a northern hardwood forest. Coombs, A. B., J. Bowman and C. J. Garroway. 2010. Journal of Wildlife Management. 74: 1875-1881

Wolverine, *Gulo gulo*, home range size and denning habitat in lowland boreal forest in Ontario, Canada. Dawson, F. N., A. J. Magoun, J. Bowman, and J. C. Ray. 2010. *Canadian Field Naturalist*. 124: 139-144

Climate change induced hybridization in flying squirrels. Garroway, C. J., J. Bowman, T. J. Cascaden, G. L. Holloways, C. G. Mahan, J. R. Malcolm, M. A. Steele, G. Turner, and P. J. Wilson. 2010. *Global Change Biology*. 16: 113-121

Time constraints in temperate-breeding species: influence of growing season length on reproductive strategies. Gurney, K.E.B., R. G. Clark, S. M. Slattery, N. V. Smith-Downey, J. Walker, L. M. Armstrong, S. E. Stephens, M. Petrula, R. M. Corcoran, K. H. Martin, K. A. DeGroot, R. W. Brook, A. D. Afton, K. Cutting, J. M. Warren, M. Fournier and D. N. Koons. 2010. *Ecography*. :

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Do public complaints reflect trends in human-bear conflict? Howe, E. J., M. E. Obbard, R. Black, and L. L. Wall. 2010. *Ursus*. 21 (2): 131-142

The effect of map boundary on estimates of landscape resistance to animal movement. Koen, E. L., C. J. Garroway, P. J. Wilson, and J. Bowman. 2010. *PLoS One*. 5: e11785

Behavioral responses to higher predation risk in a subarctic population of the semipalmated plover. Lishman, C., E. Nol, K. F. Abraham and L. P. Nguyen. 2010. *The Condor*. 112(3): 499-506

A comparison of forest resource inventory, provincial land cover maps and field surveys for wildlife habitat analysis in the Great Lakes - St. Lawrence forest. Maxie, A. J., K. F. Hussey, S. J. Lowe, K. R. Middel, B. A. Pond, M. E. Obbard, and B. R. Patterson. 2010. *The Forestry Chronicle*. 86: 77-86

Lower predation risk for migratory birds at high latitudes. McKinnon, L., P. A. Smith, E. Nol, J. L. Martin, F. I. Doyle, K. F. Abraham, H. G. Gilchrist, R. I. G. Morrison, and J. Bety. 2010. *Science*. 327: 326-327

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Incorporating social information to improve the precision of models of avian habitat use. Nocera, J. J., and G. J. Forbes. 2010. *The Condor*. 112: 235-244

The role of social information in avian habitat selection. Nocera, J. J., and M. G. Betts. 2010. *The Condor*. 112: 222-224

Empirical comparison of density estimators for large carnivores. Obbard, M. E., E. J. Howe, and C. J. Kyle. 2010. *Journal of Applied Ecology*. 47: 76-84

A distance-based analysis of habitat selection by black bears (*Ursus americanus*) on the Bruce Peninsula, Ontario, Canada. Obbard, M. E., M. B. Coady, B. A. Pond, J. A. Schaefer, and F. G. Burrows. 2010. *Canadian Journal of Zoology*. 88: 1063-1076

Do social networks of female northern long-eared bats vary with reproductive period and age? Patriquin, K. J., M. L. Leonard, H. G. Broders, and C. J. Garroway. 2010. *Behavioral Ecology and Sociobiology*. 64: 899-913

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Book Review : Yellowstone Wolves: A chronicle of the animal, the people, and the politics. Patterson, B. R. 2010. *Journal of Wildlife Management*. 74(1): 188-189  
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Polar bear ecology and management in Hudson Bay in the face of climate change. Peacock, E., A. E. Derocher, N. J. Lunn, and M. E. Obbard. 2010. In: *A Little Less Arctic: Top Predators in the World's Largest Northern Inland Sea, Hudson Bay*. S. H. Ferguson et al. (eds.). : 93-115

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