

RESEARCH BASED IN REVELSTOKE OR DONE BY RESEARCHERS CURRENTLY WORKING THERE.

- Apps, C. D., and **B. N. McLellan**. 2006. Factors influencing the dispersion and fragmentation of endangered mountain caribou populations. *Biological Conservation* **130**:84-97.
- Apps, C. D., **B. N. McLellan**, T. A. Kinley, and J. P. Flaa. 2001. Scale-dependent habitat selection by mountain caribou, Columbia Mountains, British Columbia. *Journal of Wildlife Management* **65**:65-77.
- Apps, C. D., **B. N. McLellan**, T. A. Kinley, **R. Serrouya**, D. R. Seip, and H. U. Wittmer. 2013. Spatial factors related to mortality and population decline of endangered mountain caribou. *Journal of Wildlife Management* **77**:1409-1419.
- Apps, C. D., **B. N. McLellan**, and J. G. Woods. 2006. Landscape partitioning and spatial inferences of competition between black and grizzly bears. *Ecography* **29**:561-572.
- Apps, C. D., **B. N. McLellan**, J. G. Woods, and M. F. Proctor. 2004. Estimating grizzly bear distribution and abundance relative to habitat and human influence. *Journal of Wildlife Management* **68**:138-152.
- Boulanger, J., **B. N. McLellan**, J. G. Woods, M. F. Proctor, and C. Strobeck. 2004. Sampling design and bias in DNA-based capture-mark-recapture population and density estimates of grizzly bears. *Journal of Wildlife Management* **68**:457-469.
- Boulanger, J., G. C. White, **B. N. McLellan**, J. Woods, M. Proctor, and S. Himmer. 2002. A meta-analysis of grizzly bear DNA mark-recapture projects in British Columbia, Canada. *Ursus* **13**:137-152.
- Boutin, S., M. S. Boyce, M. Hebblewhite, D. Hervieux, K. H. Knopff, M. C. Latham, A. D. M. Latham, J. Nagy, D. Seip, and **R. Serrouya**. 2012. Why are caribou declining in the oil sands? *Frontiers in Ecology and the Environment* **10**:65-67.
- D'Eon, R. G., and **R. Serrouya**. 2005. Mule deer seasonal movements and multiscale resource selection using global positioning system radiotelemetry. *Journal of Mammalogy* **86**:736-744.
- D'Eon, R. G., **R. Serrouya**, G. Smith, and C. O. Kochanny. 2002. GPS radiotelemetry error and bias in mountainous terrain. *Wildlife Society Bulletin* **30**:430-439.
- Flaa, J. P., and **B. N. McLellan**. 1999. Population characteristics of the Lake Revelstoke caribou. Pages 639-642 *in* Proceedings of a Conference on the Biology and Management of Species and Habitats at Risk. B.C. Ministry of Environment, Lands and Parks, Kamloops, B.C.
- Fairhurst, G.D., R.D. Dawson, **H. van Oort**, and G.R. Bortolotti. 2014. Sex-specific relationships between corticosterone and the production of carotenoid-based ornamentation in common redpolls. *Oecologia* **174**: 689-698.
- Hoeschele, M., M.K. Moscicki, K.A. Otter, **H. van Oort**, K.T. Fort, T.M. Farrell, H. Lee, S.W.J Robson and C.B. Sturdy. 2010. Dominance signaled in an acoustic ornament. *Animal Behaviour* **79**: 657-664.
- Otter, K.A., S.E. Atherton, and **H. van Oort**. 2007. Female food solicitation calling, hunger levels and habitat differences in the black-capped chickadee. *Animal Behaviour* **74**:847-853.
- Otter, K. A., **H. van Oort**, and K.T. Fort. 2006. Habitat quality, reproduction and behavior in chickadees and titmice: insights on the use of habitat matrixes in conservation? In Otter, K. A. (ed.) *Ecology and behavior of chickadees and titmice: an integrated approach*. Oxford University Press, pp277-291
- Hansen, I. J. K., K. A. Otter, **H. van Oort**, and C. I. Holschuh. 2005. Communication breakdown? Habitat influences on black-capped chickadee dawn choruses. *Acta Ethologica* **8**:111-120.
- Hebblewhite, M., M. Percy, and **R. Serrouya**. 2003. Black bear (*Ursus americanus*) survival and demography in the Bow Valley of Banff National Park, Alberta. *Biological Conservation* **112**:415-425.

- Herbers, J. R., **R. Serrouya**, and K. A. Maxcy. 2004. Effects of elevation and forest cover on winter birds in mature forest ecosystems of southern British Columbia. *Canadian Journal of Zoology* **82**:1720-1730.
- Hovey, F. W., and **B. N. McLellan**. 1996. Estimating population growth of grizzly bears from the Flathead River drainage using computer simulations of reproduction and survival rates. *Canadian Journal of Zoology* **74**:1409-1416.
- Huggard, D. J., G. B. Dunsworth, J. R. Herbers, W. Klenner, L. L. Kremsater, and **R. Serrouya**. 2006. Monitoring ecological representation in currently non-harvestable areas: Four British Columbia case studies. *Forestry Chronicle* **82**:383-394.
- Kinley, T. A., T. Goward, **B. N. McLellan**, and **R. Serrouya**. 2007. The influence of variable snowpacks on habitat use by mountain caribou. *Rangifer* **27**, **Special Issue 17**:93-102.
- McLellan, B.** 1994. Density-dependent population regulation of brown bears. Density dependent population regulation in black, brown and polar bears. *International Conference on Bear Research and Management Monograph Series* :15-24.
- McLellan, B.**, and D. C. Reiner. 1994. A review of bear evolution. *Bears: Their Biology and Management*:85-96.
- McLellan, B.**, and D. Shackleton. 1989a. Grizzly bears and resource-extraction industries: habitat displacement in response to seismic exploration, timber harvesting and road maintenance. *Journal of Applied Ecology* **26**:371-380.
- McLellan, B. N.** 1989a. Dynamics of a grizzly bear population during a period of industrial resource extraction. I. Density and age-sex composition. *Canadian Journal of Zoology* **67**:1856-1860.
- McLellan, B. N.** 1989b. Dynamics of a grizzly bear population during a period of industrial resource extraction. II. Mortality rates and causes of death. *Canadian Journal of Zoology* **67**:1861-1864.
- McLellan, B. N.** 1989c. Dynamics of a grizzly bear population during a period of industrial resource extraction. III. Natality and rate of increase. *Canadian Journal of Zoology* **67**:1865-1868.
- McLellan, B. N.** 2005. Sexually selected infanticide in grizzly bears: the effects of hunting on cub survival. *Ursus* **16**:141-156.
- McLellan, B. N.** 2011. Implications of a high-energy and low-protein diet on the body composition, fitness, and competitive abilities of black (*Ursus americanus*) and grizzly (*Ursus arctos*) bears. *Canadian Journal of Zoology* **89**:546-558.
- McLellan, B. N.** 2015. Some mechanisms underlying variation in vital rates of grizzly bears on a multiple use landscape. *The Journal of wildlife management* **79**.
- McLellan, B. N.**, and F. W. Hovey. 2001. Natal dispersal of grizzly bears. *Canadian Journal of Zoology* **79**:838-844.
- McLellan, B. N.**, F. W. Hovey, R. D. Mace, J. G. Woods, D. W. Carney, M. L. Gibeau, W. L. Wakkinen, and W. F. Kasworm. 1999. Rates and causes of grizzly bear mortality in the interior mountains of British Columbia, Alberta, Montana, Washington, and Idaho. *Journal of Wildlife Management* **63**:911-920.
- McLellan, B. N.**, **R. Serrouya**, and J. Flaa. 2006. Population censuses of caribou in the north Columbia Mountains. Page 13. Research Branch, British Columbia Ministry of Forests, Revelstoke, British Columbia.
- McLellan, B. N.**, **R. Serrouya**, H. U. Wittmer, and S. Boutin. 2010. Predator-mediated Allee effects in multi-prey systems. *Ecology* **91**:286-292.
- McLellan, B. N.**, and D. M. Shackleton. 1988. Grizzly bears and resource-extraction industries - effects of roads on behavior, habitat use and demography. *Journal of Applied Ecology* **25**:451-460.
- McLellan, B. N.**, and D. M. Shackleton. 1989b. Immediate reactions of grizzly bears to human activities. *Wildlife Society Bulletin* **17**:269-274.

- McLellan, M., R. Serrouya, B. McLellan, K. Furk, D. Heard, and H. Wittmer.** 2012. Implications of body condition on the unsustainable predation rates of endangered mountain caribou. *Oecologia* **169**:853-860.
- McLellan, M. L., and B. N. McLellan.** 2015. Effect of Season and High Ambient Temperature on Activity Levels and Patterns of Grizzly Bears (*Ursus arctos*). *PloS one* **10**:e0117734.
- Orians, G., P. A. Cochran, J. W. Duffield, T. K. Fuller, R. J. Gutierrez, W. M. Henemann, F. C. James, P. Kereiva, S. R. Kellert, D. Klein, **B. N. McLellan**, P. D. Olson, and G. Yaska. 1997. *Wolves, Bears, and Their Prey in Alaska*. National Academy Press, Washington.
- Otter, K. A., S. E. Atherton, and **H. van Oort.** 2007. Female food solicitation calling, hunger levels and habitat differences in the black-capped chickadee. *Animal Behaviour* **74**:847-853.
- Poole, K. G., **R. Serrouya**, and K. Stuart-Smith. 2007. Moose calving strategies in interior montane ecosystems. *Journal of Mammalogy* **88**:139-150.
- Proctor, M. F., **B. N. McLellan**, and C. Strobeck. 2002. Population fragmentation of grizzly bears in southeastern British Columbia, Canada. *Ursus* **13**:153-160.
- Proctor, M. F., **B. N. McLellan**, C. Strobeck, and R. M. R. Barclay. 2005. Genetic analysis reveals demographic fragmentation of grizzly bears yielding vulnerably small populations. *Proceedings of the Royal Society B-Biological Sciences* **272**:2409-2416.
- Proctor, M. F., D. Paetkau, **B. N. McLellan**, G. B. Stenhouse, K. C. Kendall, R. D. Mace, W. F. Kasworm, C. Servheen, C. L. Lausen, M. L. Gibeau, W. L. Wakkinen, M. A. Haroldson, G. Mowat, C. D. Apps, L. M. Ciarniello, R. M. R. Barclay, M. S. Boyce, C. C. Schwartz, and C. Strobeck. 2012. Population fragmentation and inter-ecosystem movements of grizzly bears in western Canada and the northern United States. *Wildlife Monographs* **180**:1-46.
- Serrouya, R.** 2013. An adaptive approach to endangered species recovery based on a management experiment: reducing moose to reduce apparent competition with woodland caribou. University of Alberta, Edmonton.
- Serrouya, R.,** and R. G. D'Eon. 2008. The influence of forest cover on mule deer habitat selection, diet, and nutrition during winter in a deep-snow ecosystem. *Forest Ecology and Management* **256**:452-461.
- Serrouya, R., B. N. McLellan, C. D. Apps, and H. U. Wittmer.** 2008. A synthesis of scale-dependent ecology of the endangered mountain caribou in British Columbia, Canada. *Rangifer* **28**:33-46.
- Serrouya, R., B. N. McLellan, and S. Boutin.** 2015a. Testing predator-prey theory using broad-scale manipulations and independent validation. *Journal of Animal Ecology*.
- Serrouya, R., B. N. McLellan, S. Boutin, D. R. Seip, and S. E. Nielsen.** 2011a. Developing a population target for an overabundant ungulate for ecosystem restoration. *Journal of Applied Ecology* **48**:935-942.
- Serrouya, R., B. N. McLellan, and J. P. Flaa.** 2007. Scale-dependent microhabitat selection by threatened mountain caribou (*Rangifer tarandus caribou*) in cedar-hemlock forests during winter. *Canadian Journal of Forest Research* **37**:1082-1092.
- Serrouya, R., B. N. McLellan, G. D. Pavan, and C. D. Apps.** 2011b. Grizzly Bear Selection of Avalanche Chutes: Testing the Effectiveness of Forest Buffer Retention. *Journal of Wildlife Management* **75**:1597-1608.
- Serrouya, R., D. Paetkau, B. N. McLellan, S. Boutin, M. Campbell, and D. A. Jenkins.** 2012. Population size and major valleys explain microsatellite variation better than taxonomic units for caribou in western Canada. *Molecular Ecology* **21**:2588-2601.
- Serrouya, R., M. J. Wittmann, B. N. McLellan, H. U. Wittmer, and S. Boutin.** 2015b. Using predator-prey theory to predict outcomes of broadscale experiments to reduce apparent competition. *The American Naturalist* **185**:665-679.

- Serrouya, R.**, and H. U. Wittmer. 2010. Imminent Extinctions of Woodland Caribou from National Parks. *Conservation Biology* **24**:363-364.
- Staffl, N.** and O'Connor, M. 2015. American pikas (*Ochotona princeps*) foraging response to hikers and sensitivity to heat in an alpine environment. *Journal of Arctic, Antarctic, and Alpine Research*. **47**: 519-527.
- Terry, E. L., **B. N. McLellan**, and G. S. Watts. 2000. Winter habitat ecology of mountain caribou in relation to forest management. *Journal of Applied Ecology* **37**:589-602.
- van Oort, H.**, and R. D. Dawson. 2005. Carotenoid ornamentation of adult male Common Redpolls predicts probability of dying in a salmonellosis outbreak. *Functional Ecology* **19**:822-827.
- van Oort, H.**, D. J. Green, M. Hepp, and J. M. Cooper. 2015. Do fluctuating water levels alter nest survivorship in reservoir shrubs? *The Condor* **117**:376-385.
- van Oort, H.**, **B. N. McLellan**, and **R. Serrouya**. 2011a. Fragmentation, dispersal and metapopulation function in remnant populations of endangered mountain caribou. *Animal Conservation* **14**:215-224.
- van Oort, H.**, **B. N. McLellan**, and **R. Serrouya**. 2011b. Metapopulation or predictable pattern of extinction? *Animal Conservation* **14**:231-232.
- van Oort, H.**, and K. A. Otter. 2005. Natal nutrition and the habitat distributions of male and female black-capped chickadees. *Canadian Journal of Zoology* **83**:1495-1501.
- van Oort, H.**, K. A. Otter, K. T. Fort, and C. I. Holschuh. 2006. Habitat quality, social dominance and dawn chorus song output in black-capped chickadees. *Ethology* **112**:772-778.
- van Oort, H.**, K. A. Otter, K. T. Fort, and Z. McDonell. 2007. Habitat, dominance, and the phenotypic quality of male Black-capped Chickadees. *Condor* **109**:88-96.
- Wittmer, H. U., R. N. M. Ahrens, and **B. N. McLellan**. 2010. Viability of mountain caribou in British Columbia, Canada: Effects of habitat change and population density. *Biological Conservation* **143**:86-93.
- Wittmer, H. U., **B. N. McLellan**, and F. W. Hovey. 2006. Factors influencing variation in site fidelity of woodland caribou (*Rangifer tarandus caribou*) in southeastern British Columbia. *Canadian Journal of Zoology* **84**:537-545.
- Wittmer, H. U., **B. N. McLellan**, D. R. Seip, J. A. Young, T. A. Kinley, G. S. Watts, and D. Hamilton. 2005a. Population dynamics of the endangered mountain ecotype of woodland caribou (*Rangifer tarandus caribou*) in British Columbia, Canada. *Canadian Journal of Zoology* **83**:407-418.
- Wittmer, H. U., **B. N. McLellan**, **R. Serrouya**, and C. D. Apps. 2007. Changes in landscape composition influence the decline of a threatened woodland caribou population. *Journal of Animal Ecology* **76**:568-579.
- Wittmer, H. U., **R. Serrouya**, M. Elbroch, and A. J. Marshall. 2013. Conservation strategies for species affected by apparent competition. *Conservation Biology* **27**:254-260.
- Wittmer, H. U., A. R. E. Sinclair, and **B. N. McLellan**. 2005b. The role of predation in the decline and extirpation of woodland caribou. *Oecologia* **144**:257-267.
- Woods, J. G., D. Paetkau, D. Lewis, **B. N. McLellan**, M. Proctor, and C. Strobeck. 1999. Genetic tagging of free-ranging black and brown bears. *Wildlife Society Bulletin* **27**:616-627.
- Zanette, L., J. N. M. Smith, **H. van Oort**, and M. Clinchy. 2003. Synergistic effects of food and predators on annual reproductive success in song sparrows. *Proceedings of the Royal Society of London Series B-Biological Sciences* **270**:799-803.