



Through Education, Dispelling the Myths

Background Documents and Suggested Reading regarding Caribou Declines in Canada as well as Past Failures and New Considerations in Predator Control.

*Many of these articles are available on our website.
You can also look them up using "GoogleScholar" www.scholar.google.ca*

Johnson, Chris. J., Libby .P.W. Ehlers and Dale.R Seip. (2015). **Witnessing Extinction - Cumulative impacts across landscapes and the future loss of an evolutionary significant unit of woodland caribou in Canada.** Biological Conservation **186**: 176 - 186.

Festa-Bianchet, M., J.C. Ray, S. Boutin, S.D. Cote and A. Gunn. (2011). **Conservation of caribou (*Rangifer tarandus*) in Canada: and uncertain future.** Canadian Journal of Zoology **89**: 419 - 434.

Wasser, Samuel K., Jonah L Keim, Mark L Taper and Subhash R Lele. (2011). **The influences of wolf predation, habitat loss, and human activity on caribou and moose in the Alberta oil sands.** Frontiers in Ecology and the Environment.; doi: 10.1890/100071.

Libby P. W. Ehlers, Chris J. Johnson, Dale R. Seip (2014). **Movement ecology of wolves across an industrial landscape supporting threatened populations of woodland caribou.** Landscape Ecology **29**, 451-465.

Hebblewhite, M., C. White and M. Musiani. (2009). **Revisiting Extinction in National Parks: Mountain Caribou in Banff.** Conservation Biology **24**(1): 341-344.

Ineffective and Unethical wolf killing in AB: A recent study in Alberta (which was highly criticised for its unethical treatment of animals) revealed that killing more than 800 wolves over a 7 year period in an area used by the Little Smokey Caribou herd did nothing to significantly increase caribou female recruitment nor calf survivorship numbers. Original article :
Dave Hervieux, Mark Hebblewhite, Dave Stepnisky, Michelle Bacon, and Stan Boutin. (2015). **Managing wolves (*Canis lupus*) to recover threatened woodland caribou (*Rangifer tarandus caribou*) in Alberta.** Canadian Journal of Zoology. **92**:1029 - 1037

And view 2 powerful rebuttals from leading experts about this experiment:

<http://psychologytoday.com/blog/animal-emotions/201412/killing-890-wolves-learn-about-them-somethings-wrong> (Article by Mark Bekoff)

and...



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Brook, Ryan K., Marc Cattet, Chris T Darimont, Paul C. Paquet, Gilbert Proulx. (2015). **Maintaining ethical standards during conservation crises.** Canadian Wildlife Biology and Management 4(1): 72-79.

A recent review of 25 years of records provided evidence for what many other biologists have stated, that **hunted wolves kill more livestock (or wild game) the next year:**
Wielgus RB, Peebles KA (2014) **Effects of Wolf Mortality on Livestock Depredations.** PLoS ONE 9(12).
See: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0113505>

Bryan, H.M., Smits, J.E.G., Koren, L., Paquet, P.C., Wynne-Edwards, K. E., and Musiani, M. 2014. **Heavily hunted wolves have higher stress and reproductive hormones than wolves with lower hunting pressure.** Functional Ecology.

Biologist Bob Hayes who participated in Yukon government wolf kills and sterilization now speaks firmly against these practices based on what he has learned from experience:
http://ravallirepublic.com/news/local/article_88dfe494-4ddf-11e0-ad52-001cc4c002e0.html

Summary of 2001 - 2015 timeline of wolf-caribou situation in BC:
<http://wolfawarenessinc.org/#!summary-of-bc-wolves-and-caribou/c1avu>
and
<http://wolfawarenessinc.org/#!timeline-of-bc-wolf-caribou/c1cdf>

William J. Ripple, James A. Estes, Robert L. Beschta, Christopher C. Wilmers, Euan G. Ritchie, Mark Hebblewhite, Joel Berger, Bodil Elmhagen, Mike Letnic, Michael P. Nelson, Oswald J. Schmitz, Douglas W. Smith, Arian D. Wallach, Aaron J. Wirsing (2014). **Status and Ecological Effects of the World's Largest Carnivores.** Science 343.

Robert L. Beschta and William J. Ripple (2009). **Large predators and trophic cascades in terrestrial ecosystems of the western United States.** Biological Conservation 142 (11): 2401 - 2414.

