

2024 Canada Lynx Proposed Revised Critical Habitat Literature Cited

- 65 FR 16052. Endangered and Threatened Wildlife and Plants; Determination of Threatened Status for the Contiguous U.S. Distinct Population Segment of the Canada Lynx and Related Rule. March 24, 2000.
- 68 FR 40076. Endangered and Threatened Wildlife and Plants; Notice of Remanded Determination of Status for the Contiguous United States Distinct Population Segment of the Canada Lynx. July 3, 2003.
- 71 FR 66008. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Contiguous United States Distinct Population Segment of the Canada Lynx. November 9, 2006.
- 74 FR 8616. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Contiguous United States Distinct Population Segment of the Canada Lynx. February 25, 2009.
- 74 FR 66937. Endangered and Threatened Wildlife and Plants; 12-month Finding on a Petition To Change the Final Listing of the Distinct Population Segment of the Canada Lynx To Include New Mexico. December 17, 2009.
- 78 FR 59430. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Contiguous U.S. Distinct Population Segment of the Canada Lynx and Revised Distinct Population Segment Boundary; Proposed Rule. September 26, 2013.
- 79 FR 54782. Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Contiguous United States Distinct Population Segment of the Canada Lynx and Revised Distinct Population Segment Boundary; Final Rule. September 12, 2014.
- Agee, J. K. 2000. Disturbance ecology of North American boreal forests and associated northern mixed/subalpine forests. Pages 39-82 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.
- Akins, J. and J. Ransom. 2024. Email from Jocelyn Akins, Cascades Carnivore Project, and Jason Ransom, National Park Service, to Abigail Sage, U. S. Fish and Wildlife Service. June 27, 2024.
- Apps, C. D. 2000. Space-use, diet, demographics, and topographic associations of lynx in the southern Canadian Rocky Mountains: a study. Pages 351-371 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.

- Aubry, K. B., G. M. Koehler, and J. R. Squires. 2000. Ecology of Canada lynx in southern boreal forests. Pages 373-396 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.
- Berg, N. D., E. M. Gese, J. R. Squires, and L. M. Aubry. 2012. Influence of forest structure on the abundance of snowshoe hares in western Wyoming. *Journal of Wildlife Management* 76:1480-1488.
- Bittner, S. L. and O. J. Rongstad. 1982. Snowshoe hare and allies. Pages 146-163 *in* J. A. Chapman and G. A. Feldhamer (eds.). Wild mammals of North America biology, management and economics. Johns Hopkins University Press, Baltimore, MD.
- Brand, C. J., L. B. Keith, and C. A. Fischer. 1976. Lynx responses to changing snowshoe hare densities in central Alberta. *Journal of Wildlife Management* 40:416-428.
- Breitenmoser, U., B. G. Slough, and C. Breitenmoser-Würsten. 1993. Predators of cyclic prey: Is the Canada lynx victim or profiteer of the snowshoe hare cycle? *Oikos* 66:551-554.
- Bull, E. L., T. W. Heater, A. A. Clark, J. F. Shepherd, and A. K. Blumton. 2005. Influence of precommercial thinning on snowshoe hares. USDA Forest Service, Pacific Northwest Research Station, Research Paper PNW-RP-562.
- Buskirk, S. W., L. F. Ruggiero, and C. J. Krebs. 2000a. Habitat fragmentation and interspecific competition: implications for lynx conservation. Pages 83-100 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.
- Buskirk, S. W., L. F. Ruggiero, K. B. Aubry, D. E. Pearson, J. R. Squires, and K. S. McKelvey. 2000b. Comparative ecology of lynx in North America. Pages 397-417 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.
- Carroll, C. 2007. Interacting effects of climate change, landscape conversion, and harvest on carnivore populations at the range margin: marten and lynx in the Northern Appalachians. *Conservation Biology* 21:1092-1104.
- Dowd, J. L. B., and E. M. Gese. 2012. Seasonal variation of coyote diet in northwestern Wyoming: Implications for dietary overlap with Canada lynx? *Northwest Science* 86: 289-299.
- Elliot-Fisk, D. L. 1988. The boreal forest. Pages 33-62 *in* Barbour, M.G. and W.D. Billings (eds.). North American terrestrial vegetation. Cambridge Univ. Press, Cambridge.
- Gonzalez, P., R. P. Neilson, K. S. McKelvey, J. M. Lenihan, and R. J. Drapek. 2007. Potential impacts of climate change on habitat and conservation priority areas for *Lynx canadensis*

- (Canada lynx). Report to the Forest Service, U.S. Department of Agriculture, Washington D.C., and NatureServe, Arlington, Virginia. 19 pp.
- Guillaumet, A., J. Bowman, D. Thornton, and D. L. Murray. 2015. The influence of coyote on Canada lynx populations assessed at two different spatial scales. *Community Ecology* 16(2): 135-146.
- Hodges, K. E. 2000a. Ecology of snowshoe hares in southern boreal and montane forests. Pages 163-206 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). *Ecology and conservation of lynx in the contiguous United States*. University Press of Colorado, Boulder, Colorado.
- Hodges, K. E. 2000b. Ecology of snowshoe hares in northern boreal forests. Pages 117-162 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). *Ecology and conservation of lynx in the contiguous United States*. University Press of Colorado, Boulder, Colorado.
- Hodges, K. E., L. S. Mills, and K. M. Murphy. 2009. Distribution and abundance of snowshoe hares in Yellowstone National Park. *Journal of Mammalogy* 90:870-878.
- Hoving, C. L. 2001. Historical occurrence and habitat ecology of Canada lynx (*Lynx canadensis*) in eastern North America. M.S. Thesis, University of Maine, Orono. 200 pp.
- Hoving, C. L., D. J. Harrison, W. B. Krohn, R. A. Joseph, and M. O'Brien. 2005. Broad-scale predictors of Canada lynx occurrence in eastern North America. *Journal of Wildlife Management* 69:739-751.
- Industrial Economics, Incorporated. 2024. Memorandum: Draft Screening Analysis of the Likely Economic Impacts of the Proposed Rule to Revise Critical Habitat for the Canada Lynx. August 12, 2024. 24 pp.
- Interagency Lynx Biology Team (ILBT). 2013. Canada lynx conservation assessment and strategy. 3rd edition. USDA Forest Service, USDI Fish and Wildlife Service, USDI Bureau of Land Management, and USDI National Park Service. Forest Service Publication #R1-13-19, Missoula, MT. 128 pp.
- Ivan, J. S. 2017. Summary of movements of Colorado lynx in Wyoming. Colorado Parks and Wildlife, Fort Collins, CO. 36 pp.
- Ivan, J. S. and T. M. Shenk. 2016. Winter diet and hunting success of Canada lynx in Colorado. *The Journal of Wildlife Management* 80:1049-1058.
- King, T. W., C. Vynne, D. Miller, S. Fisher, S. Fitkin, J. Rohrer, J. I. Ransom, and D. Thornton. 2020. The influence of spatial and temporal scale on the relative importance of biotic vs. abiotic factors for species distributions. *Diversity and Distributions* 27.2 (2021): 327-343.
- Koehler, G. M. 1990. Population and habitat characteristics of lynx and snowshoe hares in north central Washington. *Canadian Journal of Zoology* 68:845-851.

- Koehler, G. M. 1990. Population and habitat characteristics of lynx and snowshoe hares in north central Washington. *Canadian Journal of Zoology* 68:845-851.
- Koehler, G. M. and K. B. Aubry. 1994. Lynx. Pages 74-98 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, L. J. Lyon, and W. J. Zielinski, (eds.). *The scientific basis for conserving forest carnivores: American marten, fisher, lynx, and wolverine in the Western United States*. USDA Forest Service Gen. Tech. Rep. RM-254.
- Kolbe, J. A., J. R. Squires, D. H. Pletscher, and L. F. Ruggiero. 2007. The effect of snowmobile trails on coyote movements within lynx home ranges. *Journal of Wildlife Management* 71(5): 1409-1418.
- Litvaitis, J. A., J. A. Sherburne, and J. A. Bissonette. 1985. Influence of understory characteristics on snowshoe hare habitat use and density. *Journal of Wildlife Management* 49:866-873.
- Lynx SSA Team. 2016. Canada Lynx Expert Elicitation Workshop - Final Report. April 18, 2016. 64 pp.
- McCord, C. M. and J. E. Cardoza. 1982. Bobcat and lynx. Pages 728-766 *in* J. A. Chapman and G. A. Feldhamer (eds.). *Wild mammals of North America biology, management and economics*. Johns Hopkins University Press, Baltimore, MD.
- McKelvey, K. S., K. B. Aubry, and Y. K. Ortega. 2000a. History and distribution of lynx in the contiguous United States. Pages 207-264 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). *Ecology and conservation of lynx in the contiguous United States*. University Press of Colorado, Boulder, Colorado.
- McKelvey, K. S., S. W. Buskirk, and C. J. Krebs. 2000b. Theoretical insights into the population viability of lynx. Pages 21-37 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). *Ecology and conservation of lynx in the contiguous United States*. University Press of Colorado, Boulder, Colorado.
- Moen, R. 2009. Canada lynx in the Great Lakes Region - 2009 Annual Report. Center for Water and Environment, Natural Resources Research Institute, Duluth, Minnesota. iii + 17 pp.
- Moen, R., S. K. Windels, and B. Hansen. 2012. Lynx habitat suitability in and near Voyageurs National Park. *Natural Areas Journal* 32: 348-355.
- Montana Department of Fish Wildlife and Parks. 2005. Montana's comprehensive fish and wildlife conservation strategy. Montana Fish, Wildlife and Parks, Helena, Montana. 658 pp.
- Montana Department of Natural Resources and Conservation and U.S. Fish and Wildlife Service. 2010. Montana Department of Natural Resources and Conservation Forested State Trust Lands Habitat Conservation Plan, Final Environmental Impact Statement, Vol. II.

- Mowat, G., K. G. Poole, and M. O'Donoghue. 2000. Ecology of lynx in northern Canada and Alaska. Pages 265-306 in Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.
- Murray, D. L. and S. Boutin. 1991. The influence of snow on lynx and coyote movements: does morphology affect behavior? *Oecologia* 88:463-469.
- Nellis, C. H., S. P. Wetmore, and L. B. Keith. 1972. Lynx-prey interactions in central Alberta. *Journal of Wildlife Management* 36:320-328.
- Olson, S. J. 2015. Seasonal influences on habitat use by snowshoe hares: Implications for Canada lynx in northern Maine. M. S. Thesis, Univ. of Maine, Orono. 153 pp.
- Olson, L. E., N. Bjornlie, G. Hanvey, J. D. Holbrook, J. S. Ivan, S. Jackson, B. Kerston, T. King, M. Lucid, D. Murray, R. Naney, J. Rohrer, A. Scully, D. Thornton, Z. Walker, and J. R. Squires. 2021. Improved prediction of Canada lynx distribution through regional model transferability and data efficiency. *Ecology and Evolution*. 2021; 00:1–24. doi: 10.1002/ece3.7157.
- Peers M. J. L., D. H. Thornton, and D. L. Murray. 2012. Reconsidering the specialist-generalist paradigm in niche breadth dynamics: Resource gradient selection by Canada lynx and bobcat. *PLoS ONE* 7(12): e51488. doi:10.1371/journal.pone.0051488.
- Peers, M. J. L., D. H. Thornton, and D. L. Murray. 2013. Evidence for large-scale effects of competition: niche displacement in Canada lynx and bobcat. *Proc R Soc B* 280: 20132495. <http://rspb.royalsocietypublishing.org/content/280/1773/20132495>.
- Quinn, N. W. S. and G. Parker. 1987. Lynx. Pages 683-694 in M. Novak, J.A. Barber, M.E. Obbard, B. Malloch (eds.). Wild furbearer management and conservation in North America. Ontario Ministry of Natural Resources.
- Robinson, L. 2006. Ecological relationships among partial harvesting, vegetation, snowshoe hares, and Canada lynx in Maine. M. S. Thesis, University of Maine, Orono, Maine, USA. 184 pp.
- Ruediger, B., J. Claar, S. Gniadek, B. Holt, L. Lewis, S. Mighton, B. Naney, G. Patton, T. Rinaldi, J. Trick, A. Vandehey, F. Wahl, N. Warren, D. Wenger, and A. Williams. 2000. Canada lynx conservation assessment and strategy, second edition. USDA Forest Service, USDI Fish and Wildlife Service, USDI Bureau of Land Management, USDI National Park Service. Forest Service Publication #R1-00-53, Missoula, MT.
- Ruggiero, L. F., M. K. Schwartz, K. B. Aubry, C. J. Krebs, A. Stanley, S. W. Buskirk. 2000a. Species conservation and natural variation among populations. Pages 101-116 in Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.

- Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires. 2000b. The scientific basis for lynx conservation: qualified insights. Pages 443-454 *in* Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires, (eds.). Ecology and conservation of lynx in the contiguous United States. University Press of Colorado, Boulder, Colorado.
- Schwartz, M. K., L. S. Mills, K. S. McKelvey, L. F. Ruggiero, and F. W. Allendorf. 2002. DNA reveals high dispersal synchronizing the population dynamics of Canada lynx. *Nature* 415:520-522.
- Scully, A. E., S. Fisher, D. A. W. Miller, and D. H. Thornton. 2018. Influence of biotic interactions on the distribution of Canada lynx (*Lynx canadensis*) at the southern edge of their range. *Journal of Mammalogy* 99: 760–772. doi: 10.1093/jmammal/gyy053.
- Simons-Legaard, E. M., D. J. Harrison, W. B. Krohn, and J. H. Vashon. 2013. Canada lynx occurrence and forest management in the Acadian Forest. *Journal of Wildlife Management* 77: 567-578.
- Sirén, A. P., C. S. Sutherland, C. A. Bernier, K. J. Royar, J. R. Kilborn, C. B. Callahan, K. J. Royar, J. R. Kilborn, B. C. Callahan, R. M. Cliché, L. S. Prout and T. L. Morelli. 2021. Abiotic stress and biotic factors mediate range dynamics on opposing edges. *Journal of Biogeography*, 48(7): 1758-1772.
- Sirén, A. P., C. S. Sutherland, A. V. Karmalkar, M. J. Duveneck, and T. L. Morelli, T. L. 2022. Forecasting species distributions: Correlation does not equal causation. *Diversity and Distributions*, 28(4): 756-769.
- Squires, J. R., L. F. Ruggiero, and J. A. Kolbe. 2004. Ecology of lynx in western Montana, including Seeley Lake. Progress report - January 2003-September 2004. Unpubl. report, USDA Forest Service, Rocky Mountain Research Station, Missoula, Montana. 21 pp.
- Squires, J. R., N. J. DeCesare, L. E. Olson, J. A. Kolbe, M. Hebblewhite, and S. A. Parks. 2013. Combining resource selection and movement behavior to predict corridors for Canada lynx at their southern range periphery. *Biological Conservation* 157:187-195.
- Squires, John R., Lucretia E. Olson, Jacob S. Ivan, Peter M. McDonald, and Joseph D. Holbrook. In review. Anthropogenically Protected but Naturally Disturbed: A Specialist Carnivore at its Southern Range Periphery. *Biodiversity and Conservation*.
- Squires, J. R. and L. F. Ruggiero. 2007. Winter prey selection of Canada lynx in northwestern Montana. *Journal of Wildlife Management* 71:310-315.
- Steury, T. D. and D. L. Murray. 2004. Modeling the reintroduction of lynx to the southern portion of its range. *Biological Conservation* 117:127-141.
- Stinson, D. W. 2001. Washington State recovery plan for the lynx. Washington Department of Fish and Wildlife, Olympia, Washington. 78 pp. + 5 maps.

- U.S. Fish and Wildlife Service (Service). 2005. Recovery Outline, Contiguous United States Distinct Population Segment of the Canada Lynx. U.S. Fish and Wildlife Service, Region 6. Lakewood, Colorado. 21 pp.
- U.S. Fish and Wildlife Service (Service). 2011. Biological/Conference Opinion for the Proposed Issuance of a Section 10(a)(1)(B) Incidental Take Permit to the Montana Department of Natural Resources and Conservation for their Forested Trust Lands Habitat Conservation Plan. U.S. Fish and Wildlife Service, Montana Field Office, Helena, Montana.
- U.S. Fish and Wildlife Service (Service). 2017a. Species Status Assessment for the Canada lynx (*Lynx canadensis*) Contiguous United States Distinct Population Segment. Version 1.0, October, 2017. Lakewood, Colorado.
- U.S. Fish and Wildlife Service (Service). 2017b. 5-Year Review, Canada lynx (*Lynx canadensis*) – Contiguous U.S. Distinct Population Segment (DPS), November 2017. Lakewood, Colorado.
- U.S. Fish and Wildlife Service (Service). 2017c. 4(f)(1) Determination Regarding Recovery Planning for the Canada Lynx (*Lynx canadensis*). U.S. Fish and Wildlife Service, Mountain-Prairie Region. Lakewood, Colorado.
- U.S. Fish and Wildlife Service (Service). 2023a. Species Status Assessment Addendum for the Canada lynx (*Lynx canadensis*) Contiguous United States Distinct Population Segment. December 2023. Denver, Colorado. 122 pp.
- U.S. Fish and Wildlife Service (Service). 2023b. Draft recovery plan for the contiguous United States distinct population segment of Canada lynx (*Lynx canadensis*). November 2023. U.S. Fish and Wildlife Service, Mountain-Prairie Region, Denver, Colorado. 39 pp.
- USFS. 2007. Northern Rockies Lynx Management Direction Record of Decision. USDA Forest Service, National Forests in Montana, and parts of Idaho, Wyoming and Utah. March 2007. 71 pp.
- Vashon, J., S. McLellan, S. Crowley, A. Meehan, and K. Laustsen. 2012. Canada lynx assessment. Maine Dept. Inland Fisheries and Wildlife, Research and Assessment Section, Bangor, Maine. 107 pp.
- von Kienast, J. A. 2003. Winter habitat selection and food habits of lynx on the Okanogan Plateau, Washington. M.S. Thesis, University of Washington, Seattle. 57 pp.
- Washington Department of Natural Resources. 2006. Lynx habitat management plan for DNR-managed lands. State of Washington Department of Natural Resources, Olympia, Washington. 166 pp.
- Western Lynx Biology Team (WLBT). 2022. Spatial Framework for the Conservation of Canada Lynx Habitat in the Western U.S. and Associated Management Tiers. USDA Forest Service, U.S. Fish and Wildlife Service, Bureau of Land Management. 47 pp.

Wolfe, M. L., N. V. Debyle, C. S. Winchell, and T. R. McCabe. 1982. Snowshoe hare cover relationships in northern Utah. *Journal of Wildlife Management* 49:662-670.