

Appendix B. Supporting Documentation from the Published Literature

Introduction

These resources were compiled by Colorado Parks and Wildlife staff and are a collection of the best available science concerning trail-based recreation impacts on wildlife and their habitats. The majority of this information is presented in the main body of the document at a big-picture level. The more detailed resources contained herein may be of use to those in the trail planning process grappling with species-, habitat-, or season-specific considerations.

List of In-Text Citations

Hennings, L. (2017). Hiking, mountain biking and equestrian use in natural areas: A recreation ecology literature review (Portland, OR: Metro Parks and Nature).

Learn, J.R. (2020). A delicate balance: Managing wildlife and visitors on public lands. *Wildl. Prof.* 14, 18-27.

Sawyer, H., Korfanta, N.M., Nielson, R.M., Monteith, K.L., Strickland, D. (2017). Mule deer and energy development—Long-term trends of habituation and abundance. *Glob Change Biol.* 23, 4521-4529. <https://doi.org/10.1111/gcb.13711>

Taylor, A.R., and Knight, R.L. (2003). Wildlife responses to recreation and associated visitor perceptions. *Ecol. Appl.* 13, 951-963.

List of Additional Resources

[CPW Species and Associated High Priority Habitat Recommendations](#) – Recommendations to Avoid and Minimize Impacts to Wildlife from Land Use Development in Colorado.

[Sustaining Wildlife with Recreation on Public Lands](#) – General Technical Report from the United States Forest Service that is a synthesis of research findings, management practices, and research needs concerning recreational impacts on wildlife.

[Current Literature List](#) – Collection of the best available science on this topic. Some of these studies are not based in Colorado, but they focus on wildlife, habitats, and ecosystems that also exist in our state.

[CPW Route Density and Lynx Primer](#) – A synthesis of the literature pertaining to wildlife avoidance behavior, displacement distance, and zone of influence, and how these support route density recommendations. Also includes a synthesis of the most recent lynx research.