

COURTNEY L. LARSON

The Nature Conservancy, Wyoming Field Office, Lander, WY
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EDUCATION

Colorado State University, Fort Collins, CO Ph.D. Ecology Dissertation: <i>Effects of outdoor recreation on wildlife in protected areas</i> Advisors: Drs. Kevin Crooks and Sarah Reed	2019
Colorado State University, Fort Collins, CO M.S. Ecology Thesis: <i>Implications of outdoor recreation for wildlife conservation in protected areas</i> Advisors: Drs. Kevin Crooks and Sarah Reed	2015
Colby College, Waterville, ME B.A. <i>summa cum laude</i> in Environmental Studies and International Studies	2008

APPOINTMENTS

The Nature Conservancy, Lander, WY Conservation Scientist	2019-present
University of Wyoming, Laramie, WY Adjunct Assistant Professor	2021-present
Colorado State University, Fort Collins, CO Graduate Research Assistant, Graduate Teaching Assistant Department of Fish, Wildlife, and Conservation Biology	2012-2019
Farnam Associates, LLC, New Haven, CT Associate	2011-2012
Connecticut Dept. of Energy & Environmental Protection, Hartford, CT GIS Technician	2011
Upper Mississippi River Basin Association, St. Paul, MN GIS and Planning Assistant	2009-2010

PEER-REVIEWED PUBLICATIONS AND BOOK CHAPTERS

- Gould, E. *et. al.* (303 authors including **C.L. Larson**). 2023. Same data, different analysts: variation in effect sizes due to analytical decisions in ecology and evolutionary biology. *EcoEvoRxiv* pre-print.
- Larson C.L.**, S.E. Reed, and K.R. Crooks. 2023. Reptile community responses to outdoor recreation in urban habitat fragments. *Urban Ecosystems*. <https://doi.org/10.1007/s11252-023-01464-3>.
- Wilkins, K., S.L. Carroll, K.P. Davis, R. Hauptfeld, M.S. Jones, **C.L. Larson**, T.M. Lavery, and L. Pejchar. 2023. Sexual harassment disproportionately affects ecology and evolution graduate students with multiple marginalized identities in the United States. *BioScience* 73(5): 376-387.
- Dertien, J., **C.L. Larson**, and S.E. Reed. 2021. Recreation effects on wildlife: A review of potential quantitative thresholds. *Nature Conservation* 44: 51-68.

Gaynor, K., M. Cherry, S. Gilbert, M. Kohl, **C.L. Larson**, T. Newsome, L. Prugh, J. Suraci, J. Young, and J. Smith. 2021. An applied ecology of fear: linking theory to management practice. *Animal Conservation* 24(3): 308-321.

Lischka, S.A., T. Teel, H. Johnson, **C.L. Larson**, S. Breck, and K.R. Crooks. 2020. Psychological drivers of risk-reducing behaviors to limit human-wildlife conflict. *Conservation Biology* 34(6): 1383-1392.

Larson, C.L., S.E. Reed, and K.R. Crooks. 2020. Increased hiking and mountain biking are associated with declines in urban mammal activity. *California Fish and Wildlife Journal Recreation Special Issue*: 52-61.

Mitrovitch, M., **C.L. Larson**, K. Barrows, M. Beck, and R. Unger. 2020. Balancing conservation and recreation. *California Fish and Wildlife Journal Recreation Special Issue*: 11-28.

Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2019. A meta-analysis of recreation effects on vertebrate richness and abundance. *Conservation Science and Practice* 1(10): e93.

Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2018. Accessibility drives species exposure to recreation in a fragmented urban reserve network. *Landscape and Urban Planning* 175: 62-71.

Shannon, G., **C.L. Larson**, S.E. Reed, K.R. Crooks, and L.M. Angeloni. 2017. Ecological consequences of ecotourism for wildlife populations and communities. D.T. Blumstein, B. Geffroy, D.S.M. Samia, and E. Bessa, editors. *Ecotourisms promise and peril: a biological evaluation*. Springer, New York, NY.

Samia, D.S.M., B. Geffroy, E. Bessa, A.P. Moller, U. Ellenberg, B. Sadoul, G. Shannon, **C.L. Larson**, S.E. Reed, K.R. Crooks, L.M. Angeloni, D.T. Blumstein. 2017. Best practices towards sustainable ecotourism. D.T. Blumstein, B. Geffroy, D.S.M. Samia, and E. Bessa, editors. *Ecotourisms promise and peril: a biological evaluation*. Springer, New York, NY.

Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2016. Effects of recreation on animals revealed as widespread through a global systematic review. *PLOS ONE* 11(12): e0167259.

Qin, Y., P.J. Nyhus, **C.L. Larson**, C.J.W. Carroll, J. Muntifering, T.D. Dahmer, L. Jun, and R.L. Tilson. 2015. An assessment of South-China tiger reintroduction potential in Hupingshan and Houhe National Nature Reserves, China. *Biological Conservation* 182: 72-86.

Hess, G., J. Thompson, C. Moorman, and **C.L. Larson**. 2014. Integrating wildlife conservation into urban planning. R. McCleery, C. Moorman, and N. Peterson, editors. *Urban Wildlife: Theory and Practice*. Springer, New York, NY.

SELECTED MEDIA COVERAGE

- *The Atlantic* (2023). [Hiking needs new rules](#)
- *Sierra* (2023). [The quandary of balancing trails and wildlife](#)
- *WyoFile* (2023). [As feds push solar, a group maps areas of least harm to wildlife](#)
- *Discover Magazine* (2023). [Hiking with your dog off-leash could create problems for nature](#)
- *PV Magazine* (2022). [Siting renewables on brownfields in Wyoming](#)
- *Casper Star Tribune* (2022). [Mapping tool directs renewable energy projects toward previously developed lands](#)
- *Jackson Hole News and Guide* (2021). [Grappling with the wildlife-recreation coexistence conundrum](#)

- *The Conversation* (2021). Don't hike so close to me: How the presence of humans can disturb wildlife up to half a mile away
- *Jackson Hole News and Guide* (2020). 'Like Instagram for animals': Data will help assess impact of recreation and keep us from ruining
- *High Country News* (2020). The 'wreckreation' in our wild places
- *The New York Times* (2019). When biking and bears don't mix
- *5280* (2019). Are trails in Colorado harming wildlife?
- *Mongabay* (2017). Stepping on their paws: study explores recreation's unfun impacts on wildlife
- *Outside* (2016). The new golden rule of playing outside: Place first
- *The New York Times* (2015). Leaving only footsteps? Think again
- *Denver Post* (2015). Conservation and recreation don't always mix well

GRANTS AND SCHOLARSHIPS

The Nature Conservancy Monitoring, Evaluation, and Learning Fund. Understanding Ecological Benefits of Beaver Dam Analogues. PI. 2022. (\$20,000)

Knobloch Family Foundation. Mining the Sun. Co-PI. 2021-2022. (\$166,020)

Meg and Bert Raynes Wildlife Fund. Monitoring wildlife and recreation use on the Bridger-Teton National Forest. Co-PI. 2021. (\$4,600)

Meg and Bert Raynes Wildlife Fund. Monitoring wildlife and recreation use on the Bridger-Teton National Forest. Co-PI. 2020. (\$2,500)

U.S. Forest Service Citizen Science Competitive Funding Program. Monitoring wildlife and recreation use with the help of citizen scientists on the Bridger-Teton National Forest. Co-PI. 2020. (\$20,000)

P.E.O. Scholar Award. 2018-2019. (\$15,000)

Warner College of Natural Resources Jack and Retha Grieb Memorial Scholarship. 2018-2019. (\$3,100)

Graduate Degree Program in Ecology research grant. 2018. (\$2,400)

Warner College of Natural Resources Oscar and Isabel Anderson Graduate Fellowship. 2017-2018. (\$2,400)

Graduate Degree Program in Ecology travel grant. 2017. (\$450)

Warner College of Natural Resources Jack and Retha Grieb Memorial Scholarship. 2015-2016. (\$3,500)

Warner College of Natural Resources Jack and Retha Grieb Memorial Scholarship. 2014-2015. (\$4,110)

Graduate Degree Program in Ecology travel grant. 2014. (\$500)

GIS Colorado Scholarship. 2013. (\$1,500)

Colorado State University Programs for Research and Scholarly Excellence Fellowship. 2012. (\$2,500)

Colby College Presidential scholarship. 2004-2008. (\$40,000)

AWARDS AND HONORS

Deborah MacKenzie Award for Innovation (TNC Wyoming)	2022
Deborah MacKenzie Award for Innovation (TNC Wyoming)	2021
US-International Association for Landscape Ecology best student presentation	2019

Front Range Student Ecology Symposium 1st place oral presentation	2019
SOGES Sustainability Leadership Fellow	2018-2019
North American Congress for Conservation Biology best speed talk with a cons. application	2018
Front Range Student Ecology Symposium 2nd place oral presentation	2014
NSF Graduate Research Fellowship Program Honorable Mention	2013
Phi Beta Kappa	2008
Colby College departmental distinctions, Environmental Studies and International Studies	2008
Colby College Environmental Studies Achievement Award	2008
Colby College Dean's List	2004-2008

TEACHING AND MENTORING

Committee member for Alyssa Baldwin, University of Wyoming MS student	2022-present
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Colorado State University

Teaching assistant. FW 455: Principles of Conservation Biology	Fall 2018
Graduate Teaching Fellow. ECOL 620: Applications in Landscape Ecology (graduate level)	Fall 2015
Teaching assistant. FW 260: Principles of Wildlife Management	Spring 2015, Fall 2018
Teaching assistant. FW 104: Wildlife Ecology and Conservation	Fall 2014
Teaching assistant. Introduction to Python for ArcGIS 10 (workshop)	Fall 2013, Spring 2015

SELECTED PRESENTATIONS AND POSTERS

Larson, C.L. 2023. Effectively communicating about a changing climate. Organizer and moderator of a roundtable discussion. Wyoming Chapter of The Wildlife Society Annual Meeting, Laramie, WY.

Larson, C.L. 2022. Recreation effects on wildlife: a summary of the science. Washington State Recreate Responsibly Coalition - Recreation Planning and Impact workgroup meeting, virtual.

Larson, C.L., and J. Dertien. 2021. Recreation effects on wildlife: a summary of the science. Chaffee County recreation task force meeting, virtual.

Larson, C.L. 2021. Assessing recreational use in Teton County/Bridger Teton National Forest. Greater Yellowstone Coordinating Committee spring meeting, virtual.

Rayburn, D., C. Pague, and C.L. Larson. 2021. Achieving conservation outcomes on publicly accessible lands and waters: Towards a global community of practice? The Nature Conservancy Global Science Conference, virtual.

Larson, C.L., S.E. Reed, and K.R. Crooks. 2020. Reptile community responses to recreation in urban habitat fragments. North American Congress for Conservation Biology, virtual.

Larson, C.L. 2020. Our playground, their home: Challenges in balancing recreation and wildlife conservation. Colorado Natural Heritage Program partners meeting, Fort Collins, CO.

Larson, C.L., S.E. Reed, and K.R. Crooks. 2019. Our playground, their home: Challenges in balancing recreation and wildlife conservation. Wyoming chapter of The Wildlife Society annual conference, Sheridan, WY.

Larson, C.L., S.E. Reed, and K.R. Crooks. 2019. Recreation and wildlife conservation in a fragmented urban landscape. US-International Association for Landscape Ecology Annual Meeting, Fort Collins, CO.

Larson, C.L. 2019. Recreation effects on wildlife: a brief summary of the science. Panel: Balancing Conservation and Recreation: Trails on Conservation Lands. California Trails and Greenways Conference, Alpine, CA.

- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2018. A meta-analysis of recreation effects on vertebrate species richness and abundance. North America Congress for Conservation Biology, Toronto, Canada.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2018. A meta-analysis of recreation effects on vertebrate species richness and abundance. Ecological Society of America Annual Meeting, New Orleans, LA.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2018. Effects of non-motorized recreation on mammals in a fragmented urban reserve system. Symposium: The Ecology of Fear: Linking Theory to Management Practice. The Wildlife Society Annual Meeting, Cleveland, OH.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2018. Balancing public access with wildlife conservation: what do we know? Larimer County Department of Natural Resources Land Conservation, Planning, and Resource Management group meeting, Fort Collins, CO.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2018. Balancing public access with wildlife conservation: what do we know? Turning the lens on ourselves: the science of visitors on open spaces. Boulder County Nature Association Ecosystems Symposium, Boulder, CO.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2017. Accessibility drives species exposure to recreation in the urbanized coastal San Diego County reserve network. International Urban Wildlife Conference, San Diego, CA.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2017. Balancing public access with wildlife conservation: current knowledge & research questions. Where the Wildlife Roam: the projects, issues, and opportunities for protecting wildlife corridors in the Bay Area. Bay Area Open Space Council gathering, Berkeley, CA.
- Larson, C.L. 2015. Implications of outdoor recreation for wildlife conservation in protected areas. Weekly seminar series, Department of Fish, Wildlife, and Conservation Biology, Fort Collins, CO.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2015. Effects of recreation on animals revealed as widespread through a global systematic review. International Congress for Conservation Biology, Montpellier, France.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2015. Implications of outdoor recreation for wildlife conservation in protected areas. San Diego Management and Monitoring Program monthly coordination meeting, San Diego, CA.
- Larson, C.L., S.E. Reed, A.M. Merenlender, and K.R. Crooks. 2014. A landscape-scale analysis of recreation and species risk in San Diego, California. Symposium: Balancing public access with species protection: effects of human recreation on biodiversity in protected areas. North America Congress for Conservation Biology, Missoula, MT.

OTHER PUBLICATIONS & PRODUCTS

- Reed, S.E., C.L. Larson, and K.R. Crooks. 2019. Effects of human use of NCCP reserves on reptile and mammal species in San Diego. Final report to the California Department of Fish & Wildlife. North America Program, Wildlife Conservation Society, Bozeman, MT.
- Dertien, J., C.L. Larson, and S.E. Reed. 2018. Adaptive management strategy for science-based stewardship of recreation to maintain wildlife habitat connectivity. Final report to the Sonoma Land Trust. North America Program, Wildlife Conservation Society, Bozeman, MT.
- Reed, S.E., C.L. Larson, K.R. Crooks, and A.M. Merenlender. 2014. Wildlife response to human recreation on NCCP reserves in San Diego County. Final report to the California Department of Fish & Wildlife. North America Program, Wildlife Conservation Society, Bozeman, MT.

Minneapolis/St. Paul Sub-Area Contingency Plan. 2010. U.S. Environmental Protection Agency, Region 5 and the Minneapolis/St. Paul Sub-Area Committee.

Minnesota Inland Sensitivity Atlas. 2010. Environmental Protection Agency, Region 5.

Larson, C.L. 2008. Separating people and wildlife: zoning as a conservation strategy for large carnivores. Colby College Environmental Studies Program Senior Honors Thesis.

Darling, B., E. Hansen, and C. Larson. 2007. The state of land use, planning, and development in Maine. In State of Maine: An Environmental Assessment. Waterville, Maine: Colby College Environmental Studies Program.

Larson, C.L. 2007. An analysis of the movement patterns and feeding habits of the common squirrel monkey (*Saimiri sciureus*) at Tiputini Biodiversity Station. Independent study project, School for International Training, Ecuador.

PROFESSIONAL ACTIVITIES & SERVICE

Coyote Valley Science Advisory Group	2023-present
City of Lander Energy and Environment Task Force vice president	2021-present
Wyoming Chapter of The Wildlife Society board secretary	2020-present
Colorado State Univ. Graduate Degree Program in Ecology small grants reviewer	2018-2019
Expanding Your Horizons (STEM conference for girls) planning committee	2017-2019
San Vicente Redwoods Preserve (Davenport, CA) public access/monitoring plan reviewer	2017-2018
Dr. David Otis speaker series planning committee	2016-2017
Front Range Student Ecology Symposium:	
• Volunteer	2013-2019
• Website committee chair	2014-2015
Colorado Regional Middle School Science Bowl volunteer	2016
GIS Colorado scholarship committee	2014
Member: The Wildlife Society, Society for Conservation Biology, Ecological Society of America	
Reviewer: Human Dimensions of Wildlife, Journal of Wildlife Management, Biological Conservation, Environmental Conservation, Conservation Science and Practice, Wildlife Biology, Journal of Mammalogy	