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NWRC Research Scientists: Dr. Stewart Breck

Last Modified:



Dr. Stewart Breck is a researcher for the USDA-National Wildlife Research Center and his research is focused on carnivore ecology and behavior and minimizing conflict between carnivores and people. Studies include testing nonlethal methods for preventing conflict, measuring the impact of carnivores on livestock, influence of urban environments on carnivore ecology, and population biology and behavioral

ecology of carnivores.

Research Project

Predator Research

The Predator Management Project aims to improve current knowledge of predator ecology, behavior, genetics, and demographics relative to predators and depredation on species of human concern; assess predator responses to management strategies; and develop techniques and control methods to effectively assess and manage mammalian predation on livestock and natural resources.



Current Research

- Carnivore-Livestock Conflict: Evaluating the effectiveness of Range Riding, Carcass Management, Night Penning, and Supplemental Feeding of Carnivores for reducing Conflict
- Inventing and Transferring new Technology including Flashtags for protection of individual livestock from predation, Automated Mineral Bins for moving livestock out of high risk zones, and integration of robotics for increasing effectiveness of predator deterrents

- Investigating the indirect impacts of predation on livestock and methods for reducing this impact.
- Carnivore behavior and how it varies across land-use gradients
- Carnivore population dynamics and how its impacted by control actions.
- Investigating grizzly bear-cattle interactions in remote grazing allotments

Publications

View Dr. Stewart Breck's publications.

Education

- Ph.D., Ecology, Colorado State University
- M.S., Biology, University of Nevada--Reno
- B.S., Fishery and Wildlife Biology (Statistics minor), Colorado State University

Contact

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