

Rocky Mountains Cooperative Ecosystem Studies Unit
Project Summary

Project Title: Technical Assistance for Veterinary Pathology and Diagnostic Services for NPS Wildlife Species

Task Agreement #: P16AC00379

Modification(s): 5

Discipline: Natural

Type of Project: Technical Assistance

Funding Agency: National Park Service

Other Partners/Cooperators: Colorado State University

Student Participation: Yes, Veterinary Medicine Students

Effective Dates: 3/31/2016- 5/2/2021

Funding Amount: \$302,000

Investigators and Agency Representative:

NPS Contact: Linda Drees Deputy Division Chief National Park Service Biological Resources Division 1201 Oak Ridge Dr., Suite 200 Fort Collins, CO, 80525 Ph: 970-225-3595 Fax: 970-225-3585 linda_drees@nps.gov

Investigator: Dr. Terry Spraker Colorado State University Veterinary Diagnostic Laboratory Fort Collins, CO 80523 Ph: (970) 297-4155 Fax: (970) 297-0320 terry.spraker@colostate.edu

Project Abstract: Colorado State University Veterinary Diagnostic Laboratory (CSUVDL) has the capabilities to provide specialized support and collaboration with NPS on wildlife health monitoring, disease investigation, NPS training programs, and sample archiving. NPS wildlife veterinarians facilitate this relationship between NPS units and CSUVDL, jointly determining how best to investigate and learn from wildlife disease cases that occur in NPS units. This collaboration between CSUVDL veterinary pathologists and other animal health professionals at CSUVDL and NPS wildlife veterinarians allows for a unique team which is well suited to investigate wildlife health and disease issues within the National Park System and also diversify training for professional veterinary medicine program students during their pathology rotations. Investigations may include disease surveillance and monitoring activities, wildlife species population health assessments, field or laboratory wildlife necropsies, ancillary diagnostic tests, and training NPS staff. Specialized technical expertise in the areas of pathology, bacteriology, virology, parasitology, clinical pathology, and histology will be required to complete these investigations. CSUVDL can provide these services as well as pathologists and support staff for a collaborative approach to these activities. The project will involve the recipient's staff and students to engage in shared environmental stewardship. Further, the scientific community and researchers external to NPS will gain from new knowledge provided by investigations and dissemination of results of natural resource information, specifically wildlife disease information.

Keywords: Veterinary Pathology and Diagnostic Services, wildlife, National Park Service, Colorado State University