

**Wildlife Restoration MULTI-YEAR GRANT
INTERIM PERFORMANCE REPORT**

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF WILDLIFE CONSERVATION
PO Box 115526
Juneau, AK 99811-5526

**Alaska Department of Fish and Game
Wildlife Restoration Grant**

GRANT NUMBER: AKW-R-1-2018

PROJECT NUMBER: 1.0 UAF Nutrition Lab Lease

PROJECT TITLE: Lease of Laboratory and Office Space at the Matanuska Experiment Farm

PERIOD OF PERFORMANCE: 1 July 2018 – 30 June 2019

PERFORMANCE YEAR: Year 2 of a 5-year grant.

REPORT DUE DATE: Sept. 1, 2018

PRINCIPAL INVESTIGATOR: William B. Collins – ADF&G Wildlife Physiologist II

COOPERATORS: Jack Mortenson – ADF&G Wildlife Capture Veterinarian

Authorities: 2 CFR 200.328
2 CFR 200.301
50 CFR 80.90

Performance reporting on activities ensures performance expectations are being achieved while complying with Federal regulation. Please include, at minimum, the following project information in Sections I – V below:

1. A comparison of actual accomplishments to the objectives of the project established for the period. In other words: what progress have you made toward completion of the objective(s) of the project? Describe how your objective(s) were met.
2. The reasons why established goals or objectives were not met, if appropriate. In other words, please describe and justify any changes in the implementation of objective(s) or approach(es).
3. Additional pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs. If applicable, please describe how the project resulted in any benefits, promising practices, new understandings, cost efficiencies, management recommendations, or lessons learned.
4. Additional work not previously described accomplished during this period of performance.

I. PROGRESS ON PROJECT OBJECTIVES DURING PERFORMANCE YEAR

OBJECTIVE 1: [State objective as it appears in the approved project statement](#). The purpose of this grant is to lease laboratory and office space at the University of Alaska – Fairbanks (UAF) Matanuska Experiment Farm for a term of 5 years, with possible continuation thereafter if the facility is found to be of enough benefit to the division.

ACCOMPLISHMENTS: [Follow directions 1-3 above](#). We established a lease of laboratory space with the UAF Matanuska Experiment Farm and set up a fully operational herbivore nutrition laboratory and offices for the principal investigator and laboratory technician, as well as offices and workspace for ADF&G’s Wildlife Capture Veterinarian and wildlife veterinary technician. A drug storage facility that meets DEA requirements was also set up.

Based on a long-standing working relationship with the principal investigator, the Matanuska Experiment Farm provided the following to the herbivore nutrition laboratory: A carbon-hydrogen-nitrogen analyzer, a turbovap, reverse-osmosis water purifier, a water deionizer, 4 balances, all types of necessary glass ware, gas regulators, refrigerators, freezers, drying ovens, ultra sound cleaners, certified chemical storage cabinets, a microscope, vacuum pump, eye-wash station, a hood, sample containers, Nalgene containers, muffle furnace, 2 different sized bead mills, work tables and counters, tools, necessary hardware, bomb calorimeter, work carts, mats, stools, and years’ worth of several chemicals used in our work. The total value of these instruments and equipment given to us exceeds \$300,000.

Since getting the laboratory fully operational in September 2018, our backlog of forage quality and diet composition samples has been significantly reduced. The ability to count on laboratory access and functional equipment has greatly helped in this regard.

On the veterinary side of this lease, the farm provided complete office furnishings (desks, conference table, chairs, shelves, cabinets, work carts, lamps, etc) for four offices. They also provided the drug storage chamber, stainless steel worktables, stainless steel cabinets, refrigerators, and freezers (including an ultra-cold freezer). The Experiment Farm has also allowed use of barn space for doing animal surgeries, and for teaching animal capture courses.

II. SUMMARY OF WORK COMPLETED ON PROJECT TO DATE.

[Often, project results \(for example, annual estimates of abundance or composition\) are not available during the performance year in question. Use this section to report any project results or findings to date.](#)

[Following direction 4 above, summarize findings to date from inception of the grant—analysis, trends, ongoing data, etc. Indicate what year project cycle is in; for example, in Year 3 of 5-year project.](#)

We are currently in year 2 of this 5-year project. Work completed, or nearly so, includes acquisition and deployment of laboratory equipment, acquisition and proper storage of chemical reactants and drugs used in wildlife immobilization activities, and progress in analyzing nutritional quality of forage samples. At this time, priority is being placed on sample analyses

and completion of working space for the wildlife capture veterinarian. Note: the previous Principle Investigator left the Department; responsibility for this project has been given to Dr. William Collins, who supervises the facilities operated under this grant.

III. SIGNIFICANT DEVELOPMENT REPORTS AND/OR AMENDMENTS.

If any Significant Development Reports (SDR) or amendments were submitted during this performance year, please list or summarize them here. If you are reporting a previously unreported significant development or providing rationale for an anticipated change in the project, provide an explanation. Examples include:

1. Problems, delays, or adverse conditions which will materially impair the ability to meet the objectives. Include a statement of the action taken, or contemplated, and any assistance needed to resolve the situation.
2. Favorable developments which enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

No SDRs or amendments were submitted during this performance year.

IV. PUBLICATIONS

Identify and attach (cite) selected publications, photographs, screenshots of websites, or other documentation (including articles in popular literature, scientific literature, or other public information products) that have resulted from this project that highlights the accomplishments of the project.

There are no publications to report at this time.

V. RECOMMENDATIONS FOR THIS PROJECT example – Project will continue 2 more years; project should be extended one more year, etc. If you need to change something in the planned approach as presented in the Project Statement or make a recommendation outside of what was planned, please explain. This is informational and does not replace the need for an amendment if necessary.

No changes to the project statement are required at this time.

Prepared by: William B. Collins – ADF&G Wildlife Physiologist II

Date: 13 August 2019