

**FEDERAL AID
ANNUAL 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
State Wildlife Grant**

Grant Number: T-21 **Segment Number:** 3
Project Number: 20.0
Project Title: Gyrfalcon Dispersal, Site Fidelity, and Adult Survival.
Project Duration: 16 April 2011 – 30 June, 2015
Report Period: 1 July 2013 – 30 June 2014
Report Due Date: 28 September 2014
Principle Investigator: Travis Booms, ADF&G
Project Location: Yukon Delta National Wildlife Refuge, Western Alaska

I. SUMMARY OF WORK COMPLETED ON JOBS FOR LAST SEGMENT PERIOD ONLY

Objective 1: Estimate Gyrfalcon breeding dispersal, natal dispersal, territory fidelity, and adult survival on the Yukon Delta National Wildlife Refuge and as needed, elsewhere in Western Alaska.

Job/Activity 1a: Annually survey historical breeding study areas by foot, plane, or helicopter to identify occupied nest cliffs.

Job/Activity 1b: Collect adult molted feathers from nest cliffs annually in a mark-recapture framework.

Job/Activity 1c: Collect blood samples from all nestlings present.

Job/Activity 1d: Genotype samples to identify individuals and their movements across space and time in a mark-recapture framework.

Accomplishments:

Activities a., b., and c. were accomplished during previous reporting periods. I shipped 254 samples collected during the previous reporting period to a genetics lab in the fall 2013 for genotyping to identify individuals. Federal Aid funds were used to support salary, shipment of samples, and analysis of samples.

Objective 2: Analyze, disseminate, and share information with the scientific community and the general public.

Title
FY10 Progress Annual Report

Job/Activity 2a: Write and publish articles summarizing results for scientific and general public audiences.

Job/Activity 2b: Present results at scientific conferences.

Accomplishments:

I wrote one field report in fall 2013 summarizing the field effort from the previous reporting period. Other reports and publications have not yet been completed because data analysis has not been completed. Federal Aid funds were used to support salary and sample analysis.

II. PUBLICATIONS

None.

III. ADDITIONAL FEDERAL AID-FUNDED WORK NOT DESCRIBED ABOVE THAT WAS ACCOMPLISHED ON THIS PROJECT DURING THIS SEGMENT PERIOD

None.

IV. RECOMMENDATIONS FOR THIS PROJECT

None.

Prepared by: Travis Booms, ADF&G

Date: 8/29/2014