

**FEDERAL AID ANNUAL
RESEARCH 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: W-33

SEGMENT NUMBER: 11

PROJECT NUMBER: 1.66

PROJECT TITLE: Evaluating options for improving GSPE performance and developing a moose sightability correction factor

PROJECT DURATION: 1 July 2007–30 June 2014

REPORT DUE DATE: 1 September 2014

PARTNER: None

PRINCIPAL INVESTIGATOR: Kalin A. Kellie Seaton, ADF&G

COOPERATOR: Jay M. Ver Hoef, NOAA

WORK LOCATION: Interior Alaska-DWC Region III

I. SUMMARY OF WORK COMPLETED ON JOBS IDENTIFIED IN ANNUAL PLAN THIS PERIOD

OBJECTIVE 1: Evaluate the effects of search intensity on sightability.

JOB/ACTIVITY 1E: Archive all GSPE sightability trial data in a single database.

I added recent sightability trials collected in GMU 21E to the master database of sightability trial data.

OBJECTIVE 3: Develop a spatial sightability model using percent canopy cover generated from satellite imagery.

JOB/ACTIVITY 3E: Test the model.

The intended capture and subsequent use of radiocollared moose in sightability trials during the fall moose survey was delayed for 1 year because of last-minute logistical difficulties with charter aircraft. The capture and collection of sightability trial data is now scheduled for fall 2013.

OBJECTIVE 4: Writing reports.

JOB/ACTIVITY 4D&E: Prepare a report reviewing the options available for sightability correction using a block survey design (4d) and prepare a report detailing the sightability trial method for calculating a sightability correction factor.

I reviewed literature on various sightability correction methods. I also helped prepare and edit a memo on sightability trials in cooperation with federal aid project 1.69 for the GMU 21E 2012 spring moose survey. The methods described in this memo will be adopted into the technique report during FY14.

II. SIGNIFICANT DEVIATIONS AND/OR ADDITIONAL FEDERAL AID-FUNDED WORK NOT DESCRIBED ABOVE THAT WAS ACCOMPLISHED ON THIS PROJECT DURING THIS SEGMENT PERIOD

None.

III. PUBLICATIONS

None.

IV. RECOMMENDATIONS FOR THIS PROJECT

None.

PREPARED BY: Kalin A. Kellie Seaton

DATE: 15 August 2013