

**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:** AKW-20

**SEGMENT NUMBER:**

**PROJECT NUMBER:** 1.65

**PROJECT TITLE:** Age-specific natural mortality rates of male versus female moose

**PROJECT DURATION:** 1 July 2006–30 June 2018

**REPORT DUE DATE:** 1 September 2017

**PRINCIPAL INVESTIGATOR:** Scott M. Brainerd

**COOPERATORS:** Rodney Boertje (ADF&G retired), Graham Frye, Wildlife Biologist III, Layne G. Adams (USGS), Donald Young (ADF&G retired) and Brad Griffith (University of Alaska Fairbanks)

**WORK LOCATION:** Fairbanks

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

**JOB/ACTIVITY 4:** Write reports and publications.

The principal investigator retired in early FY13. He is being contracted to complete work associated with this project. He is currently working two papers, including one on causes of mortality and the other on age-specific productivity from long-term data sets. No papers were submitted for publication in FY17. However, Dr. Boertje produced a draft paper entitled “Lifetime Moose Reproduction in a Nutritionally-stressed Population”, coauthored with retired ADF&G biologist Donald Young and new moose research biologist Graham Frye. This paper will be refined and submitted for publication in FY18.

**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**

Publication of results from this study will be contracted to retired biologist Rodney D. Boertje in FY18, and costs of publication will be covered by this project.

**PREPARED BY:** Scott M. Brainerd, ADF&G

**DATE:** 16 August 2017