

**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: 1**
Project Number: 4.0
Project Title: Monitoring population fluctuations in boreal owls in Interior Alaska
Project Duration: 16 April 2011 – 30 June 2014
Report Period: 1 July 2012 – 30 June 2013
Report Due Date: 28 September 2013
Principle Investigator: Travis Booms, ADF&G
Project Location: Interior Alaska, Region III

I. SUMMARY OF WORK COMPLETED ON JOBS FOR LAST SEGMENT PERIOD ONLY *Briefly describe how Federal Aid funds were spent on each active job, listing the results achieved during only this segment period (1 paragraph each). If a job was not accomplished as planned, very briefly tell why.*

Objective 1: Provide long-term population trend information on boreal owls.

Job/Activity 1a: Maintain at least 100 nest boxes along at least 5 routes accessible from the all-weather road system around Fairbanks.

Job/Activity 1b: Provide annual indices to breeding boreal owl abundance by monitoring use of the nest boxes.

Job/Activity 1c: Monitor annual productivity of boreal owls (number of branchlings/fledglings).

Job/Activity 1d: Through the use of standard USFWS legbands, assess nest site fidelity of adult female boreal owls and gather information on movements and nesting area fidelity of fledgling owls.

Accomplishments:

I maintained 100 Boreal Owl nest boxes along 5 routes near Fairbanks, Alaska. This included checking each box for occupancy in May 2013 and returning to occupied boxes repeatedly throughout July 2012 and June 2013 to monitor nestling growth and survival. This provided estimates of annual Boreal Owl abundance and productivity. We also banded 8 adult Boreal Owls and 16 nestlings to estimate nest site fidelity and movements of adult females and young. We also cleaned all boxes in October 2012 to ensure they were ready for the 2013 field season. Federal Aid funds were spent on salary, field supplies, replacement nest boxes, and fuel for a field truck during box checks.

Title
FY13 Progress Annual Report

II. PUBLICATIONS
None, still collecting data.

**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: 8/29/2013