

**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-19

**PROJECT NUMBER:**

**PROJECT TITLE:** 1.0 Hunter Information Digital Delivery

**PERIOD OF PERFORMANCE:** 1 July 2016-30 June 2020

**PERFORMANCE YEAR:** 1 July 2018-30 June 2019

**REPORT DUE DATE:** Submit to Coordinator August 24, 2019; due to FAC Sept 1, 2019

**PRINCIPAL INVESTIGATOR:** Caleb Wylie

**COOPERATORS:**

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Authorities: 2 CFR 200.328  
2 CFR 200.301  
50 CFR 80.90

**I. PROGRESS ON PROJECT OBJECTIVES DURING PERFORMANCE YEAR**

**OBJECTIVE 1:** Improve ability to maintain hunting eligibility rules.

Job/Activity 1-a: Rebuild DWC's hunt eligibility database. The eligibility criteria for a hunt can be complex and based on variety of factors including residency, location, species and previous hunting activity.

Job/Activity 1-b: Build interface for the hunt eligibility database (aka "business rules engine") that allows DWC staff to add and edit hunt rules. Currently changes are made manually by IT staff.

**ACCOMPLISHMENTS:** Job/Activity 1-a has been completed; the hunt definition database has been redesigned and a new application has been developed. Integration of the new Hunt Definition System with numerous other DWC systems on-going. The new hunt definition system is available for staff to manage 2020 regulatory year hunts.

Job/Activity 1-b has been initiated and a draft scope of work for an analysis and recommendation on how to manage DWCs large set of complex business rules. It is anticipated that Task Order will be developed and awarded this fall for a contractor to perform the analysis and recommendation.

OBJECTIVE 2: Build tools that track an individual hunter's history and eligibility.

Job/Activity 2-a: Build database tools to track the hunting history for individual hunters in Alaska.

Job/Activity 2-b: Create interfaces that allow hunters and ADF&G staff to view and edit hunting histories as appropriate.

Job/Activity 2-c: Integrate external databases that contribute to hunting and guiding eligibilities (for example, the Hunter compact database).

ACCOMPLISHMENTS: Job/Activity 2-a is nearly complete. Thorough analysis was performed by contractors and DWC technical staff to identify how hunters are identified and how they are “matched” to their appropriate hunting history. Based on this analysis, modifications were made to DWC’s Demographic Matching system to more reliably and accurately identify hunters and their hunting history.

Job/Activity 2-b and Job/Activity 2-c have not been started and evaluation is underway to determine scope.

## **II. SUMMARY OF WORK COMPLETED ON PROJECT TO DATE.**

Completion of Objective 1, Job/Activity 1-a is complete and Job/Activity 1-b has been initiated. The hunt definition database has been redesigned, a new user interface has been developed, and system integration is on-going. The new hunt definition system will be available for staff to manage 2020 regulatory year hunts. A scope of work has been drafted for evaluation and recommendation of a business rules engine to further manage hunter eligibility rules. Objective 2, Job/Activity 2-a is nearly complete; DWC’s demographic matching system has been updated to better identify hunters and match them with their history.

## **III. SIGNIFICANT DEVELOPMENT REPORTS AND/OR AMENDMENTS.**

No significant development reports or amendments have been submitted during the reporting period.

## **IV. PUBLICATIONS**

There are no publications associated with this project to date.

**V. RECOMMENDATIONS FOR THIS PROJECT** This project will continue with the same general approach.

**Prepared by:** Caleb Wylie

**Date:** 9/23/2019