

**Alaska Department of Fish and Game
Wildlife Restoration Grant**

Grant Number: AKW-10 Wildlife Restoration FY2016

Project Number: 27.0

Project Title: Statewide GIS Support

Project Duration: 1 July 2015 – 30 June 2016

Report Due Date: September 28, 2016

PRINCIPAL INVESTIGATOR(S): Oriana Badajos

WORK LOCATION: Statewide

I. PROGRESS ON PROJECT OBJECTIVES DURING LAST SEGMENT

OBJECTIVE 1: Maintain and investigate new GIS operations and technologies, database applications, spatial data analysis, mapping tools, and cartographic products for research and management applications.

Provided GIS consulting and support to research and management programs. Provided review and evaluation of GIS requirements in operational plans. Maintained and investigated new GIS operations and technologies, database applications, spatial data analysis, mapping tools, and cartographic products for research and management applications.

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

Objective 1: Maintain and investigate new GIS operations and technologies, database applications, spatial data analysis, mapping tools, and cartographic products for research and management applications.

Job/Activity 1: Maintain and investigate new GIS operations, tools, and applications.

Accomplishments:

- Continued support for the management and maintenance of extensive wildlife conservation telemetry datasets and relational databases on the ADFG database server.
- Assisted research biologists with the use of various GIS and database analysis tools to perform tasks such as summarizing data, developing home ranges, running data queries, and conducting temporal analyses.

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- Coordinated access to GIS data for Wildlife Conservation users, including connections to the ADFG GIS server, outside statewide internet map servers, and data from other agencies and sources.
- Acquired hardware/software to begin testing new mobile mapping applications using ArcGIS Collector for potential field use.

Job/Activity 2: Provide GIS consulting, training, and hardware-software maintenance.

Accomplishments:

- Advised staff on design and export of final graphics, maps, posters, and reviewed other presentation-quality materials.
- Produced maps and graphics for various Board of Game staff presentations.
- Assisted Region II staff with GIS/GPS software upgrades, installation of various extensions and related products, and support with connectivity to the statewide ArcGIS server.
- Provided area offices and staff with troubleshooting and technical assistance for formatting and standardizing wildlife and other spatial data into GIS-ready formats (including projection and coordinate-system issues).

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

None

V. PUBLICATIONS

None

Prepared by: Oriana Badajos

Date: 08/29/2016