

**Progress Report**  
**Loyalton-Truckee Deer Herd Capture, Collars and Telemetry Flights**  
**(Funded by DHMPIP 2008-2011; BGMA 7/1/12 and on)**  
**November 29, 2012**

**Project Summary-**

This DHMPIP project was part of a larger study that began in 2009. CDFG partnered with the Nevada Department of Wildlife (NDOW) and Save Open Space around Glenshire, with funding support from The Martis Fund, the Truckee-Tahoe Airport and the Mule Deer Foundation to evaluate the migration of mule deer in the Verdi sub-unit (VSU) of the Loyalton-Truckee Deer Herd. This funding purchased seven GPS collars, which were deployed via ground darting in fall of 2009 and most recently paid to refurbish nine of those collars..

To date, thirty-nine mule deer have been collared from the VSU. Twelve of fifteen refurbished collars were deployed between June and November 2012.

**Budget Summary-**

2008-Received DHMPIP funding in amount of \$70,860, no DHMPIP money spent.

2009- ATS collar purchase \$13,975. Switched from old model to GS2110, which did not require command unit rental to retrieve and lasted for longer period of time.

2010-No DHMPIP money spent, collars deployed throughout summer.

2011-No DHMPIP money spent, collars retrieved throughout fall.

2012-9 collars being refurbished.

ATS refurb-\$650/collar x 9 = \$5,850 + \$15 shipping Total = \$5,865

**Future Work and Final Report-**

Funding for this project was completed during the 2011-2012 fiscal year using the \$6,200 that the Large Mammal Advisory Committee allocated in 2012. Outside grants were used to refurbish other collars bringing the total to fifteen. CDFG will be collaborating with NDOW to determine the data gaps and is currently working on data analysis. This data will be formatted for presentation to local planning committees, Fish and Game Commissions, other resource agencies, and the public with the goal of providing outreach and education on the importance and viability of the VSU. Data is intended to inform interstate management, land acquisition and ecologically sound development guidelines. A final report is anticipated in 2014 after collar data is retrieved and analyzed.

Through this project we have already provided an update to the Loyalton-Truckee Deer Herd Management Plan as well as run an Adopt-A-Deer Herd program in two sister schools from Nevada and California that culminated in a field trip. I obtained an

additional grant to contract the creation of a National curriculum following the model we used in the VSU that will allow students to learn about biology, movement, barriers and tracking of deer and other wildlife.

No additional funding is requested at this time. This progress report concludes the active project titled **Loyalton-Truckee Deer Herd Capture, Collars and Telemetry Flights**.

**Data-**

Shapefiles of deer movement as well as telemetry data will be available to LMAC and the Deer Shop. A collection of trail station photos and the associated database will also be available at the end of the study.