

Large Mammal Advisory Committee

Approved Project

QUARTERLY PROGRESS REPORT

Project Name: Migration, Habitat Use, Health and Survival of the Eastern Tehama Deer Herd

Quarter: (January – March 2014)

Project Objective:

The Eastern Tehama deer herd is the largest migratory herd in the State and has experienced population declines in the past several decades. These declines have resulted in the substantial loss of recreational activities, declines in revenues to local economies associated with deer hunting or viewing, and public concerns over the effectiveness of the Department's management strategy for this herd. Contemporary data identifying important habitat use areas (seasonal ranges and migration routes) are lacking and are needed to effectively manage and conserve the Eastern Tehama deer herd. This information will also be used to update the Deer Assessment Unit (DAU) 4 plan, which includes the Eastern Tehama deer herd as well as other herds within the C Zones in northern California.

We propose to capture a total of 25 adult female black-tailed deer by free range darting from 2013-2015. All deer will be assessed for physical condition and standard weights and measurements will be taken. Blood will be drawn for disease analysis and collection of ectoparasites will be conducted. Each deer will have a timed release GPS collar affixed. GPS collars will be programmed to record a location every 4 hours and release after one year. Telemetry monitoring will take place to check survival of individuals throughout the year.

Work Performed:

Ten adult female black-tailed deer were captured and fitted with GPS collars during spring and summer 2013. Two does died after marking; one was harvested by a hunter and the other died of unknown causes.

Telemetry monitoring of the remaining 8 does was conducted on February 10, 2014. All but one of the does was located and their collars were functioning normally. The deer were found on the winter range from just north of Deer Creek to Antelope Creek on Tehama Wildlife Area in the same general areas they were located at during at telemetry flight last December.

Capture supplies were purchased during this quarter which included immobilization drugs, darts and charges, a capture litter and a small refrigerator to store drugs and samples.

Funds Expended:

Fiscal Year 13-14 Operating Budget: \$12,000.00

Total expended for fiscal year: \$ 7,069.95

ETDH Study FY 13-14 Budget	Jan	Feb	March	Total
General Expenses/Per Diem				
Other Items/capture supplies		\$730.93	\$440.55	\$1,171.48
Other expenses/vehicle repair				
Telemetry Flights		\$197.75		\$197.75
Total per month	0.00	\$928.68	\$440.55	\$1,369.23
Total for Fiscal Year		\$6,629.40	\$7,069.95	\$7,069.95