

Large Mammal Advisory Committee

Approved Project

QUARTERLY PROGRESS REPORT

**Project Name:** Multiple Data Source Approach to Monitoring and Management of Mule Deer: application in Deer Zones X9a and X9b (Mono and Inyo Counties)

Quarter: Time Period: July – September 2014

**Work Performed:** July fixed-wing flight for location of GPS collars didn't occur because DFW Air Services was not available. 1 August 2014 California Deer Association approved funding in the amount of \$13,500 for 50 hours of fixed-wing time. Mr. Geoff Pope, Black Mountain Air, in Bishop, CA will be used. CDA funds will be used when DFW Air Services is not available. In August, 12.5 hours of fixed wing time were billed to CDA. This flight was to collect summer range locations and survival of each deer. The flight in September for GPS collars didn't occur because Air Services couldn't fly and the local pilot was too busy, with short notice. The 9 GPS collars need to be monitored monthly. As of August 7<sup>th</sup>, there are 26 marked deer in Casa Diablo, 28 marked in Goodale, and 24 marked in Round Valley, out of a total of 30 originally collared in each of the three herds.

With the support of LMAC Work Code: NC 8001-26; BGMA Fund#0200.33, a ground survey study plan is in draft. In this plan we propose to evaluate whether there are differences in age and sex ratios when classification counts are done from roads (currently) versus randomly determined routes. Besides staff time, there is little to no cost for the study, though LMAC project has budgeted \$600 for ground surveys.

**Funds Expended:** See budget worksheet below

**Work Anticipated for Next Quarter:** Continue to update deer database. Fixed wing flight (DFW Air Services/ local pilot) in early October, then again in November and December, will be to locate the 9 GPS collared deer. These GPS collars are automatic drop off and need to be located as soon after drop-off as possible. Radio-collars for the spring 2015 captures will be purchased in early October. Necessary update to the LMAC Budget with justification and rewriting of capture plan will occur in October and November, respectively. Ground survey random route study will be tested in December.

Budget for FY2014/15 – needs revision.

YEAR 2 (FY 2014/15) LMAC PROJECT CODE NC 8001-12; BGMA Fund #0200.33	(4120, 23352) Funding Amount	2014						2015						FISCAL YEAR
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	14/15 Totals
<b>Personal Services</b>														
Temp Help (9 months)	\$18,000.00													0.00
<b>Subtotal Personal Services</b>	\$18,000.00													0.00
<b>Operating Expenses &amp; Equipment</b>														
Helicopter Survey (March 2014; 21 hours)	\$25,200.00													0.00
Helicopter Capture (March 2014; 21 hours)	\$25,200.00													0.00
Ground Survey (January)	\$300.00													0.00
Ground Survey (March)	\$300.00													0.00
Radio Collars	\$18,750.00													0.00
Radio Collars (Refurbish)	\$1,000.00			0.00										0.00
Fixed wing flight w/ AirServices	\$13,770.00	no flight	CDA (notes)	no flight										0.00
Travel	\$1,000.00													0.00
<b>Subtotal OE&amp;E</b>	\$85,520.00									0.00		0.00	0.00	0.00
<b>Subtotal Personal Services and OE&amp;E</b>	\$103,520.00									0.00	0.00	0.00	0.00	0.00
<b>Total Expenses</b>	<b>\$103,520.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Total Personal Services Expenses/IDC to date</b>		<b>\$0.00</b>	<b>Total Invoiced</b>				<b>\$0.00</b>							
<b>Total O+E Expenses to date</b>		<b>\$0.00</b>	<b>Total Paid</b>				<b>\$0.00</b>							
<b>Total Personal Serviced Expense / IDC Remaining to date</b>		<b>\$103,520.00</b>	<b>Total Remaining</b>				<b>\$103,520.00</b>							
<b>Total O+E Remaining to date</b>		<b>\$85,520.00</b>												

**Notes**

AKA "Eastern Sierra Deer" (ESD) and "Multiple Data Source" (MDS)  
 Project Title: Multiple Data Source Approach to Monitoring and Management of Mule Deer: application in Deer Zones X9a and X9b (Mono and Inyo Counties)  
 Project Start Date: July 1, 2013; Project End Date: August 2018  
 Budget tracking based on invoices received.  
 Helicopter Contract : Leading Edge Aviation  
 Fixed wing flights performed by DFW or local pilot as of 1Aug2014 . CDA funded \$13,500 for flights. G. Pope charges \$270/hour, so 50 hours of flight time. CDA funds will be used when DFW not available to complete the flight request.  
 All January and March ground comp data (GIS, database, summaries) have been submitted.  
 Yearly report includes summary of year's accomplishments and spring capture results.