

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: April - June 2015; FY2014/15

Work Performed:

Spring ground surveys were conducted from mid-March into early April. Due to late March deer capture, typical timing of ground survey (late March) had to be adjusted. Spring ground survey results have been summarized but are currently in draft. Tooth samples from the 2015 capture were submitted to Matson's Lab, and all capture data was entered.

Fixed wing flights were conducted by Mr. Geoff Pope, Black Mountain Air Service, using CDA funds. The April 29th flight, occurring nearly 30 days after the spring deer capture, was the post-capture mortality flight. There was one (Round Valley) capture-related mortality identified out of the 112 deer collared in March 2015. During this flight and an additional one on May 11th, all 180 collared deer were scanned for survival.

As of May 11, there are 177 collared does in the study area (60 in Casa Diablo, 58 in Round Valley, and 59 in Goodale). Based on the first 12 months of data, preliminary analysis (table below) indicates adult doe survival is lower than we would expect. Previous studies in Round Valley showed an annual survival of prime-age does was 0.87 (SE=0.025).

Annual survival based on first year of project, April 2014 - April 2015.

DeerHerd	Annual Survival	SE	LCI	UCI	CV
Casa Diablo	0.80	0.06	0.69	0.91	7%
Round Valley	0.77	0.07	0.62	0.91	10%
Goodale	0.80	0.06	0.69	0.91	7%

Funds Expended: See budget worksheet below. Helicopter costs from capture were summarized and provided by Dr. Ben Gonzales. These actual capture costs far exceed our estimated cost in the budget.

Work Anticipated for Next Quarter: Using fixed wing, summer location for newly collared deer will be collected as well as survival on all 177 deer. A CDA meeting, scheduled for July 18, will determine whether or not CDA funds the additional fixed wing time requested. This outside source of funds is necessary due to the unavailability of DFW Air Services. Discussions regarding helicopter survey, scheduled to begin January 2016, will occur starting in September.

Ground survey composition data needs to be finalized and database and GIS files need to be submitted to Deer Program. Staff is in the process of analyzing data collected during the two previous captures and 1.5 years of survival data. Results will be reported in the next quarterly report.

Budget for FY2014/15

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	
Personal Services															
Temp Help (9 months)	\$18,000.00				no temp help \$ used this FY									0.00	
Subtotal Personal Services	\$18,000.00													0.00	
Operating Expenses & Equipment															
Helicopter Survey (March 2015; 21 hours)	\$25,200.00									no helicopter survey contract in place; moved to next FY				0.00	
Helicopter Capture (March 2015; 35 hours)	\$25,200.00									89,849.47	<---actual cost			89,849.47	
Ground Survey (January)	\$300.00													0.00	
Ground Survey (March)	\$300.00													0.00	
					(Diff. covered by temp help \$\$)										
Radio Collars	\$18,750.00				23,515.00									23,515.00	
Radio Collars (Refurbish)	\$1,000.00			0.00	0.00									0.00	
Fixed wing flight w/ AirServices	\$13,770.00	no flight	CDA (notes)	no flight	yes (CDFW)	none	none	CDA(5.2hr)	CDA(1.7hrs)	CDA(2.7hrs)	CDA(5.1)	CDA(1.4)		0.00	
Travel	\$1,000.00													0.00	
Subtotal OE&E	\$85,520.00								0.00	89,849.47	0.00	0.00	0.00	89,849.47	
Subtotal Personal Services and OE&E	\$103,520.00							0.00	0.00	89,849.47	0.00	0.00	0.00	89,849.47	
Total Expenses	\$103,520.00	\$0.00	\$0.00	\$0.00	\$23,515.00	\$0.00	\$0.00	\$0.00	\$0.00	\$89,849.47	\$0.00	\$0.00	\$0.00	\$113,364.47	
Total Personal Services Expenses/IDC to date		\$89,849.47												Total invoiced	\$113,364.47
Total O+E Expenses to date		\$89,849.47												Total Paid	\$113,364.47
Total Personal Serviced Expense / IDC Remaining to date		\$13,670.53												Total Remaining	-\$9,844.47
Total O+E Remaining to date		-\$4,329.47													

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: June 2020
 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.