

Large Mammal Advisory Committee

Approved Project

QUARTERLY PROGRESS REPORT

Project Name: Big game data analysis to model factors that affect wildlife population abundance and change.

Quarter Time Periods: October - December 2014; FY2014/15

Work Performed: Three-month progress report is attached.

Funds Expended: See below for FY2014/15 budget worksheet.

Work Anticipated for Next Quarter:

Complete and submit manuscript: *Comparing black bear density in urban and wildland areas using a DNA-based capture-mark-recapture approach in California (draft)*.

Revise and re-submit the White Mountain bighorn sheep manuscript, and finish SNBS survival analysis, once NDVI data can be incorporated.

Coordination meeting regarding the Desert DNA study is scheduled for mid-February, with reconnaissance of sites to be scheduled for spring. Finally, the Multiple Data Source (LMAC NC800112), ground survey random sites comparison with traditional route design will be analyzed and prepared for report.

9 February 2015

California Department of Fish and Wildlife
Region 6, Inland Desert Region
3602 Inland Empire Boulevard, Suite C-220
Ontario, CA 91764

RE: Big Game Data Analysis to Model Factors Affecting Wildlife Population Abundance and Change – 3 month progress report for Oct–Dec 2014

Dear Jane:

Below is a list of the main tasks I have worked on over the past 3 months Please let me know if you need additional information or have any questions.

- 1) Finish study proposal plus do field work to determine whether composition counts from roads have similar results as counts from random routes. To goal of this study is to ensure there are no major biases in buck:doe or fawn:doe ratios, which can arise from due to methodological issues The study plan is done, but the data still need to be analyzed.
 - a) Status – underway (still analysis to go)
 - b) Time spent – 1.5 weeks
- 2) Begin process of incorporating reviewer comments on submitted ms “Population demographic rates of White Mountain desert bighorn sheep in relation to disease” for resubmission (sigh).
 - a) Status – underway
 - b) Time spent – 0.5 week
- 3) Writing and literature search to convert Jonathan Fusao’s thesis on black bear density in urban and Wildland areas into a manuscript that can be submitted. I am almost finished, a rough draft of the manuscript is being sent with this time report.
 - a) Status – underway
 - b) Time spent – 3 weeks

4) Continue survival analysis for Sierra Nevada bighorn sheep based on a 12-year data set. I finished the re-analysis with the new data format. I have begun to write the manuscript. The introduction and methods are on their way, and the tables and graphs of the results have begun, although I am still waiting on some NDVI covariates to complete the analysis. I have also started a literature search for the manuscript writing.

a) Status – underway.

b) Time spent – 2 weeks

Sincerely,

Mary M. Conner

Budget for FY2014/15

YEAR 2 (FY2014/15) LMAC PROJECT CODE NC 8001-26; BGMA Fund#0200.33	As of 1 July 2014 (4120, 23352) Funding Remaining	2014						2015						FISCAL YEAR
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	14/15 Totals
Personal Services														
Principle Investigator (PI)	\$110,786.65	1,533.34			7,475.50			10,350.21						19,359.05
Research Scientist (RS)	\$28,432.37				5,940.00									5,940.00
														0.00
Benefits														
PI	\$48,629.53	644.70			3,311.50			4,662.77						8,618.97
RS	\$2,547.87				493.00									493.00
														0.00
Subtotal Personal Services	\$190,396.42	2,178.04			17,220.00	0.00	0.00	15,012.98	0.00	0.00	0.00	0.00	0.00	34,411.02
Operating Expenses & Equipment														
Travel	\$6,607.22	0.00			461.61			1,133.66						1,595.27
Subtotal Personal Services and OE&E	\$197,003.64	2,178.04	0.00	0.00	17,681.61	0.00	0.00	16,146.64	0.00	0.00	0.00	0.00	0.00	36,006.29
PI and RS Indirect Costs (IDC)	\$34,475.67	381.14			3,094.26			2,825.64						6,301.04
Total Expenses	\$231,479.31	\$2,559.18	\$0.00	\$0.00	\$20,775.87	\$0.00	\$0.00	\$18,972.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,307.33
Paid (Minus 10% withheld)		\$2,303.26			\$18,698.28			\$17,075.05		\$0.00	\$0.00			\$38,076.60
Total Personal Services Expenses + IDC in FY2014/15		\$40,712.06			Total invoiced in FY2014/15			\$42,307.33						
Total OE&E Expenses in FY2014/15		\$1,595.27			Withholding 10%			\$4,230.73						
Total Personal Services Expense + IDC Remaining to date		\$184,160.03			Total Paid in FY2014/15			\$38,076.60						
Total OE&E Remaining to date		\$5,011.95			Total Remaining to be invoiced			\$189,171.98						

Notes

Budget tracking based on invoices received.

Contract # P126003; Actual Start Date July 1, 2013; Contract end date (as contract is currently written) is December 2015. Will be extended to include total of 2 year as allowed for original contract.

Dr. Mary Conner, USU

Project Title: Big game data analysis to model factors that affect wildlife population abundance and change.

The Contractor shall be paid quarterly, in arrears, upon submission of an original and two copies of the invoice, which properly details all charges, expenses, direct and indirect costs.

California Department of Fish and Wildlife shall retain from the Contractor's earnings for each period for which payment is made, an amount equal to ten percent (10%)

of such earnings, pending satisfactory completion of the task or Agreement.

Per ASB, for this contract, leftover funds from previous FY, roll into current FY.