

Large Mammal Advisory Committee

Approved Project

QUARTERLY PROGRESS REPORT

Project Name: Estimation of Abundance of the Pacific Deer Herd Using Fecal DNA

Quarter: 4th: April-June 2013/ FY 13/14 (months/FY)

Work Performed:

Project leader met with Dr. Ben Sacks on April 10th at UC Davis to discuss upcoming field season. We discussed potential changes to sampling protocol and collection techniques.

UC Davis looked at the distribution of extracted samples in GIS and attempted to understand any patterns underlying which samples yielded DNA and which did not. No patterns were evident suggesting random effects. During the 2014 season, we will experimentally collect pellets the same way as last year as well as utilizing an ATL buffer to see if we can improve DNA extraction efficiency.

Projected completion of data analysis has been delayed due to putting genotyping on hold. The anticipated date for completion of preliminary data analysis (i.e., year 1 data) is May 30, 2015.

Funds Expended: see attached worksheet

	<u>This quarter</u>	<u>Total to date</u>
Personnel:	\$8,221.80	\$23,716.44
Operating Expense:	\$7,514.56	\$ 8,887.63
Total:	\$15,736.36	\$32,604.07

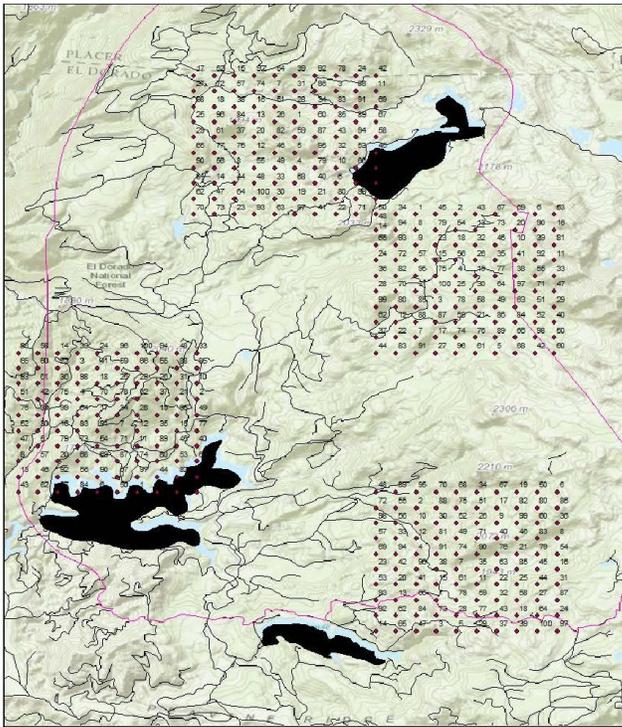
Budget Detail Sheet

Project Name: Estimation of
 Abundance for Pacific Deer
 Herd Using Fecal DNA
 Work Code: NC8001-11
 Quarter: 4th FY 13/14

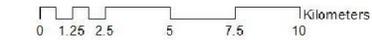
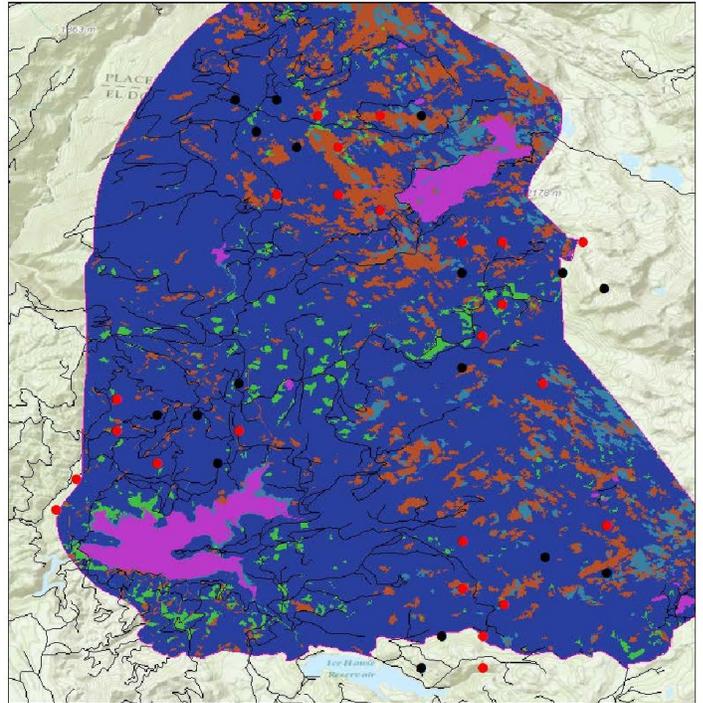
	Quarter		Total to Date
001 Salaries - Permanent	0		0
033 Temp Help (2 sci aids)	8,221.80		23,716.44
083 Overtime	0		0
Total Salaries & Wages	8,221.80		23,716.44
101 Staff Benefits	0		
TOTAL PERSONAL SERVICES	8,221.80		23,716.44
* 201 General Expenses	14.56		36.82
501 Other Items of Expense	0		1,350.81
523 Special Items of Expense (UC Davis contract)	7,500		7,500.00
TOTAL OE & E	7,514.56		8,887.63
TOTAL	15,736.36		32,604.07

* add expense columns as needed
 501: Travel/per diem

Sampling grid was established (map A) and random transect starting points were selected (Map C). These random starting points were overlaid onto a habitat map (B) to show all types were represented.



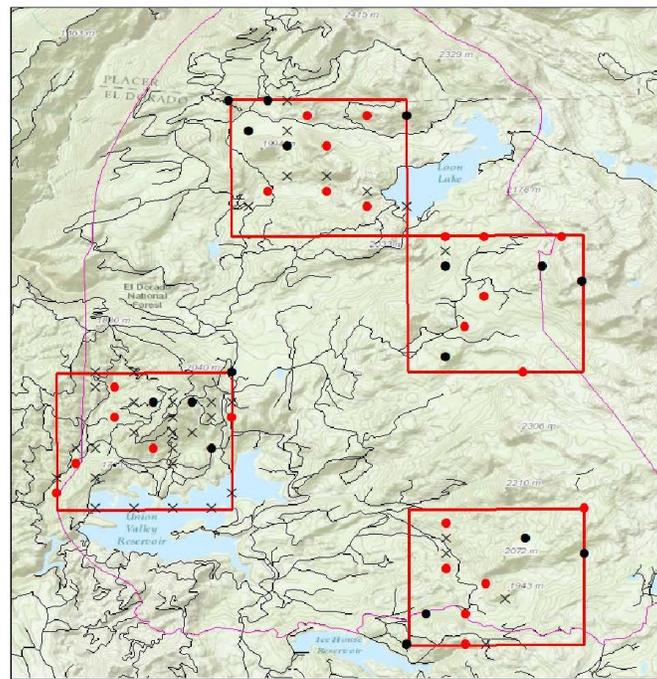
Map A



- select**
- × Excluded (adjacent or in lake)
 - Randomly selected starting point
 - Alternate starting point (if needed)

- DEER_HAB**
- BARREN
 - FOREST
 - MEADOW
 - SHRUB
 - URBAN
 - WATER

Map B



- select**
- × Excluded (adjacent or in lake)
 - Randomly selected starting point
 - Alternate starting point (if needed)

Map C