

**ARIZONA GAME AND FISH DEPARTMENT
 HABITAT PARTNERSHIP COMMITTEE
 HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number:	15-221
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PROJECT INFORMATION

Project Title: GMU 12A/12B Double Count Deer Survey	
Region and Game Management Unit: Region II, GMU 12A and 12B	
Local Habitat Partnership Committee (LHPC): <ul style="list-style-type: none"> Arizona Strip Habitat Working Group 	Was the project presented to the LHPC? YES[] NO[X]
Has this project been submitted in previous years? YES[X] NO[] If Yes, was it funded? YES[X] NO[] → Funded HPC Project #(s): Funded in 2012	
Project Type: Mule Deer Population Estimate Survey	
Brief Project Summary: Complete Helicopter Double Count Mule Deer Survey for GMU 12A and GMU 12B. Data obtained to be used to develop a mule deer population estimate for the above units as well as refining the population model. This estimate will also assist in developing permit levels in these units for the next 3 years.	
Big Game Wildlife Species to Benefit (% benefit per species) : Mule Deer 100%	

Implementation Schedule (Month/Day/Year): Project Start Date: Dec. 2016 Project End Date: Feb. 2017	Environmental Compliance: NEPA Completed: Yes[] No[] N/A[X] Projected Completion Date: _____ State Historic Preservation Office - Archaeological Clearance: (Provide Attachment) Yes[] No[] N/A[X] Projected Completion Date: _____ Arizona Game and Fish Department EA Checklist: N/A[X] To be Completed by: _____ Projected Completion Date: _____
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PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$ 33,320.00
Cost Share or Matching Funds:	\$
Total Project Costs:	\$ 33,320

PARTICIPANT INFORMATION

Applicant (please print): Todd Buck	Address: 3500 S. Lake Mary Rd. Flagstaff AZ 86001	E-mail: TBuck@azgfd.gov
Telephone: 9288560740		Date: 09/01/15

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

Project has been coordinated with: Arizona Game and Fish Department Game Branch

NEED STATEMENT – PROBLEM ANALYSIS:

The Arizona Game and Fish Department, under agreement with the Arizona Deer Association, has agreed to conduct a double count survey of GMU 12A and GMU 12B every four years to determine the population level of Mule Deer in these units. This information will be used to adjust the current computer model in an effort to refine the management of these important deer herds.

PROJECT OBJECTIVES:

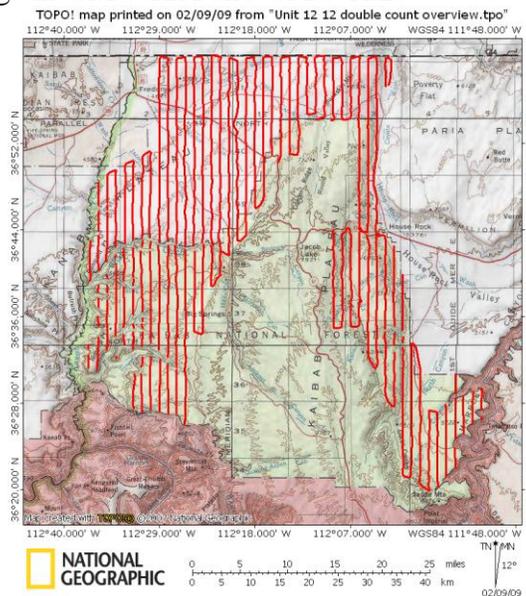
The objective of this project is to derive a population estimate for the 12A and 12B wintering deer herds in an attempt to refine current management efforts. This effort will also include, for the first time, implementing the double count methodology on the Paria Plateau area of GMU 12B and will provide baseline data for this important Mule Deer population.

PROJECT DESCRIPTION AND STRATEGIES:

A complete survey of GMU 12A and GMU 12B will be conducted in Dec/Jan of 2016/2017 via helicopter utilizing 3 observers and a pilot and implementing the double count protocol in an effort to obtain a population estimate for these units. Results will be analyzed using the mathematical equations in the double count protocol to estimate deer density and obtain an overall population estimate for these units. These estimates will be used in computer modeling efforts to assist in determining permit levels for the next 3 years.

PROJECT LOCATION

All suitable winter deer range in GMU 12A and GMU 12B.



NOTE: This survey effort will also include the Paria Plateau

LAND OWNERSHIP AT THE PROJECT SITE(S):

USFS/BLM

HABITAT DESCRIPTION:

The winter range in GMU 12A and GMU 12B is roughly 5300' to 6600' in elevation and is characterized by various grasses and forbes, sagebrush (*Artemesia tridentata*), cliffrose (*Cowania mexicana*), pinion trees (*Pinus sp.*), and Utah juniper trees (*Juniperus utahensis*).

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

Contract Helicopter (Papillion), Fuel Truck, and Ferry Time - \$1,190.00/Hour for 28 Hours
= \$33,320

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AZGFD Personnel

WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?

YES[] NO[] N/A[X]

PROJECT MONITORING PLAN:

N/A

PROJECT MAINTENANCE:

N/A

PROJECT COMPLETION REPORT TO BE FILED BY:

Todd Buck
Arizona Game and Fish Department
Wildlife Manager GMU 12A
928-856-0740

WATER DEVELOPMENT PROJECTS (please use the worksheet below):

TREE CLEARING/REMOVAL PROJECTS (please use the worksheet below):

ATTACHMENTS:

(Please provide cultural clearance documentation from land management agency, e.g., FONSI, Inventory Standards, etc. Also attach any project pictures)