

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

Game Branch / HPC Project Number: 14-404

**PROJECT INFORMATION**

**Project Title:** Kofa Adaptive Management Area – Trapping Equipment

**Region and Game Management Unit:** Region 4, GMU 39, 40, 41, 43, 44B, 45A, B, C, 46

**Local Habitat Partnership Committee (LHPC):**

**Was the project presented to the LHPC?**

YES[] NO[]

**Has this project been submitted in previous years?** YES[] NO[x]

**If Yes, was it funded?** YES[] NO[] → **Funded HPC Project #(s):**

**Project Type:** Wildlife Management

**Brief Project Summary:** Purpose is to support the Kofa Adaptive Predation Management Plan and aid in the effective capture of mountain lions within the greater area surrounding the Management Plan. This proposal is for the purchase of 5 satellite trap alarms that will allow the Kofa Bighorn Sheep Recovery Specialist the ability to safely and effectively capture mountain lions over a much wider area than previously possible.

**Big Game Wildlife Species to Benefit:** mountain lion

**Implementation Schedule** (Month/Day/Year):

Project Start Date: November 2014

Project End Date: November 2015

**Environmental Compliance:**

NEPA Completed: Yes[] No[] N/A[x]

Projected Completion Date: \_\_\_\_\_

State Historic Preservation Office - Archaeological Clearance:

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: \_\_\_\_\_

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:** \$ 4,060

**Cost Share or Matching Funds:** \$

**Total Project Costs:** \$ 4,060

**PARTICIPANT INFORMATION**

**Applicant** (please print):

Brian Jansen

**Address:**

9140 E 28<sup>th</sup> St, Yuma, AZ 85365

**E-mail:**

bighorns101@yahoo.com

**Telephone:** 928-925-8189

**Date:** 8/6/2014

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

**Project has been coordinated with:** John Hervert, Wildlife Program Manager, Region IV

**NEED STATEMENT – PROBLEM ANALYSIS:**

Currently, the Kofa Complex Adaptive Predation Management Plan calls for the capture and collaring of mountain lions in a broader geographic area than the specific predation management area. The Predation Management area encompasses the mountain ranges in and adjacent to the Kofa National Wildlife Refuge (e.g., South Plomosa, New Water, Kofa, Little Horn, Tank, and Castle Dome). However, the Adaptive Management Area encompasses the land between I-8 (South) and I-10 (North) and Colorado River (West) to SR-85 (East). Arizona Game and Fish Department along with the US Fish and Wildlife Service (Kofa NWR) have been closely monitoring and capturing mountain lions in the Predation Management area since 2007. The number of mountain lions utilizing the Predation Management area has been dramatically reduced from a suspected 9-12 lions per year between 2007-2010 to 1-3 lions per year from 2013-present. When mountain lions occur in very low density, it is necessary to simultaneously place traps over an ever-increasing geographic area to facilitate the opportunity to have a mountain lion encounter one of the traps in a reasonable amount of time. However, the time it takes to traverse the rugged roads reduces the ability of personnel to check the necessary number in a widely spaced trap-line.

The Kofa Bighorn Sheep Recovery and Mountain Lion Specialist has been utilizing 1-6 satellite trap alarms with great success over the last 3 yrs. He has captured mountain lions in areas that previously were inaccessible and over a much wider area than ever before. These trap alarms allow the Specialist the ability to remotely check each satellite alarm in the evening and morning and respond to any alerts directly. After remotely checking the widely-spaced traps, the Specialist can physically check all the close traps early in the morning and then physically verify the widely spaced traps later in the day.

The Kofa Bighorn and Mountain Lion project currently has 5 functioning satellite trap alarms that are fully utilized during the trapping season. The project needs another 5 to expand its reach to more efficiently trap the Greater Adaptive Management Area. This proposal is requesting the funds for an additional 5 satellite trap alarms.

**PROJECT OBJECTIVES:**

- Purchase 5 satellite trap alarms
- Deploy satellite trap alarms over a widely-spaced array
- Capture mountain lions in previously inaccessible areas

**PROJECT DESCRIPTION AND STRATEGIES:**

The project would consist of the Kofa Bighorn Sheep Recovery Specialist purchasing and operating 5 additional satellite trap alarms while trapping for mountain lion research and management activities.

**PROJECT LOCATION:**

Region IV (Yuma)

**LAND OWNERSHIP AT THE PROJECT SITE(S):**

(if the project area is private property, please state specifically and provide the landowner's name)

- Bureau of Land Management (BLM)
- US Fish and Wildlife Service (USFWS)
- AZ State Lands Department
- Department of Defense (Army, Marines, Air Force Training Ranges)

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or  
LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*  
YES[] NO[] N/A[]

**HABITAT DESCRIPTION:**

Sonoran Desert

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

5 Satellite trap alarms @ \$532 ea. = \$2,660

Airtime for satellite transmissions @ \$20 per month of operation, per unit for 1 yr = \$1,200

Shipping ~ \$200

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

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

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

YES[] NO[] N/A[x]

**PROJECT MONITORING PLAN:**

Periodic visitation to cameras to download cards, change batteries, and replace mal-functioned cameras.

Visual assessment of photographs to detect mountain lions, assess sex and age.

Date, sex, and age data will be entered into a spreadsheet to facilitate the determination of number of individuals, frequency of use, and movement patterns.

**PROJECT MAINTENANCE:**

Project to be maintained by Kofa Bighorn Sheep Recovery Specialist

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Kofa Bighorn Sheep Recovery Specialist, Brian Jansen.

**WATER DEVELOPMENT PROJECTS** (*please use the worksheet below*):

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