

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

Game Branch / HPC Project Number:	11-416
Possible Funding Partners:	

**PROJECT INFORMATION**

**Project Title:** Sonoran Pronghorn Water Development

**Region and Game Management Unit:** Region 4, GMU 45B

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

- Southwest HPC

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

YES[X] NO[]

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

If Yes, was it funded? YES[] NO[] → HPC Project #:

**Project Type:** Water Development

**Brief Project Summary:** Construct a new water development to assist with the establishment of a second population of Sonoran pronghorn.

**Big Game Wildlife Species to Benefit:** Sonoran Pronghorn

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

Project Start Date:  
Spring 2012- Winter 2013

Project End Date:  
Spring 2012- Winter 2013

**Environmental Compliance:**

NEPA Completed: YES[X] No[] N/A[]

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

State Historic Preservation Office - Archaeological Clearance:

YES[X] No[] N/A[] \_\_\_\_\_

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

Arizona Game and Fish Department EA Checklist: YES N/A[]

To be Completed by: Jill Bright

Projected Completion Date: Completed August, 2011

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:** \$ 7,500

**Cost Share or Matching Funds:** \$ 27,750

**Total Project Costs:** \$ 35,250

**PARTICIPANT INFORMATION**

**Applicant** (please print):

John Hervert

**Address:**

9140 E. Street  
Yuma, Arizona 85367

**E-mail:**

Jhervert@azgfd.gov

**Telephone:** 928-341-4041

**Date:** 9/1/2011

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

**Project has been coordinated with:**

USFWS, Kofa Refuge.

**NEED STATEMENT – PROBLEM ANALYSIS:**

King Valley was used by Sonoran pronghorn until the early 1900s. The Department and the USFWS will attempt to reestablish Sonoran pronghorn in King Valley in December 2011. Pronghorn may be released into the wild from a captive breeding pen as early as December 2012. Prior to any releases of pronghorn water developments must be added within King Valley. Historically, Sonoran pronghorn relied on the Gila River as a source of food and water. Habitat fragmentation will inhibit pronghorn movements and use of the Gila River under conditions we see today.

**PROJECT OBJECTIVES:**

Construct a reliable, low cost water development with a capacity of 16,041-gallons of storage for Sonoran pronghorn within King Valley, Arizona.  
Assist with the reestablishment of Sonoran pronghorn in King Valley and creation of a second population within the United States.

**PROJECT DESCRIPTION AND STRATEGIES:**

We proposed to dig a trench 140 feet long by 16 feet wide to a depth of 3 feet. Two foot diameter PVC pipe will be buried in the trench and will provide necessary storage tanks with a capacity of 16,041-gallons. A walk-in drinker will be connected to the storage pipes. Two collection points will be built to divert surface sheet flow.

**PROJECT LOCATION:**

33° 07.028' N 113° 49.487'

**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):**

Kofa Refuge, USFWS.

**HABITAT DESCRIPTION:**

Sonoran Desert, Lower Colorado Subdivision.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

Tag funds (up to \$7,500) will be used to purchase 2 foot diameter PVC pipe.

The materials needed for the project are detailed as follows: 5- 140 foot rows of 2 foot diameter PVC pipe - \$22,750; trough, plumbing (4 inch PVC pipe, fittings, misc)- \$3,000. In addition, we will use USFWS funds to pay for the water right application (\$2,000). Total = \$27,750.

Cost Share or Matching Funds

Volunteer labor and donated equipment to complete the project: Yuma Valley Rod and Gun Club will provide a donated backhoe, four trailers to haul materials and supplies to the

site, 20 labors for three days, volunteer mileage, 6 inch PVC pipe lines, concrete and misc. plumbing = \$7,500.

Funds from a grant provided by USFWS (Cooperative Agreement F11AC00022): \$20,250

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

Volunteer labor will be used to assist with the construction of this project. We will use local volunteers from the Yuma Valley Rod and Gun Club and/or members of the Arizona Antelope Foundation to complete this project.

**PROJECT MONITORING PLAN:**

This water development will be monitored by the district wildlife manager throughout the year. The water is checked at a maximum 30 day interval between May and October and periodically throughout the winter months.

**PROJECT MAINTENANCE:**

Underground PVC water developments have been in use since 1995 in Region IV. Periodic cleaning of the trough and water collection silt traps is expected to occur occasionally. If installed correctly, this project will require a minimum of maintenance. This water development will be maintained by Region IV personnel and USFWS as needed.

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

John Hervert, Wildlife Program Manager, Region IV.

**WATER DEVELOPMENT PROJECTS** (*see attached worksheet*):

## **ARIZONA GAME AND FISH DEPARTMENT** **WATER DEVELOPMENT WORKSHEET**

**PROJECT NAME:** Sonoran Pronghorn Water Development

1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**

Yes.

2) **Please list the Development Branch personnel and date coordinated with for this project.**

Ed Jahrke 8-30-11.

3) **What is the estimated annual inches of precipitation for the area? (mark one)**

2-4 4-6 6-8 8-10 10-12 12-14 14-16  >16

4) **Is there a perennial water source available to big game within four miles of this project?**

YES (please complete #5 below) NO (skip #5 below)

5) **For the accessible, perennial water source nearest this project:**

Name of water source: Legacy Tank, although it may not be accessible to pronghorn.

Type of water source (catchment, spring, dirt tank): Catchment with an 8 foot deep drinker.

Ownership of water source: AZGFD

Distance in miles from project: 4 miles

6) **Is the target wildlife species a result of transplant efforts? YES NO**

7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**

Land is owned by the USFWS Kofa Refuge. The project is located next to but out of wilderness.

8) **Please provide the following information about access to the proposed site:**

Type of access (mark one): 2x4 vehicles 4x4 only foot only\*\*

\*\*If foot access only: Distance in miles: \_\_\_\_\_ Approximate hiking time: \_\_\_\_\_

-- Does access to this site require crossing private or tribal lands? YES NO

-- Please describe any restrictions to public access:

9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

5- 140 foot runs of 2 foot PVC pipe - \$22,750

Trough and plumbing (Pipe, Fittings, Misc)- \$3,000

10) Was a site visit completed? Yes[X] No[]

If Yes, please list personnel that attended and date.

John Hervert, Regional Wildlife Program Manager, Susanna Henry, Refuge Manager, Kofa.  
Jill Bright, Sonoran Pronghorn Project leader.

Neversweat water development. Buried PVC storage tanks. Trough.

