

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

Game Branch / HPC Project Number:	11-407
Possible Funding Partners:	

**PROJECT INFORMATION**

<b>Project Title:</b> Red Cliffs #996 Redevelopment	
<b>Region and Game Management Unit:</b> Region 4/ GMU 44A	
<b>Local Habitat Partnership Committee (LHPC):</b> • SW HPC	<b>Was the project presented to the LHPC?</b> YES[X] NO[]
<b>Has this project been submitted in previous years?</b> YES[] NO[X] <b>If Yes, was it funded?</b> YES[] NO[] → <b>HPC Project #:</b>	
<b>Project Type:</b> Water Development - Redevelopment	
<b>Brief Project Summary:</b> Existing development is a 4500 gallon fiberglass ring tank using a natural collection in a large drainage which is heavily used by bighorn sheep. Proposal is to remove existing water development and replace with 9,000 gallon underground system using 24" PVC for storage, natural collection and a walk in trough at a new site about 300 yards west of existing site.	
<b>Big Game Wildlife Species to Benefit:</b> Bighorn Sheep 100%	

<b>Implementation Schedule</b> (Month/Day/Year):  Project Start Date: 02/01/2014  Project End Date: 05/31/2014	<b>Environmental Compliance:</b> NEPA Completed: YES[] No[X] N/A[] Projected Completion Date: <u>06/2013</u>  State Historic Preservation Office - Archaeological Clearance: YES[] No[X] N/A[] Projected Completion Date: <u>06/2013</u>  Arizona Game and Fish Department EA Checklist: N/A[] To be Completed by: <u>Suzanne Ehret</u> Projected Completion Date: <u>06/2013</u>
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**PROJECT FUNDING**

<b>Special Big Game License Tag Funds Requested:</b>	\$ 26,390
<b>Cost Share or Matching Funds:</b>	\$ 27,450
<b>Total Project Costs:</b>	\$ 53,840

**PARTICIPANT INFORMATION**

<b>Applicant</b> (please print): Suze Ehret	<b>Address:</b> 9140 E St. Yuma, AZ 85365	<b>E-mail:</b> sehret@azgfd.gov
<b>Telephone:</b> 928-301-0393		<b>Date:</b> 08/30/2011

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

**Project has been coordinated with:**

Bureau of Land Management Lake Havasu Field Office

**NEED STATEMENT – PROBLEM ANALYSIS:**

Existing development is a 4500 gallon fiberglass ring tank using a natural collection in a large drainage and is heavily used by bighorn sheep. The current system's collection dam is in too large of a drainage which makes flow events very infrequent and characterized by high sediment loads. Because this site is in wilderness it has required extensive helicopter water hauling since being built.

Historically this bighorn population watered in the Colorado River until SR 95 was paved and traffic increased dramatically thus severing the herd's access to water. By the early 1980's the herd had been essentially extirpated and a comprehensive plan was developed to re-establish the population. This water development was part of that recovery plan for bighorn sheep in the Buckskin Mountains that also included 2 translocations in the mid 1980's.

**PROJECT OBJECTIVES:**

The objective is to replace the old water development with a higher capacity, more efficient and reliable system. This will greatly diminish the long term costs of providing a perennial water to desert bighorn sheep in this population.

**PROJECT DESCRIPTION AND STRATEGIES:**

Proposal is to remove existing water development and replace with 9,000 gallon underground 24" PVC storage system using natural collection and walk in trough at a new site about 300 yards west of existing site. The current system would be removed and the area restored once the new system is in place and working.

**PROJECT LOCATION:**

Buckskin Mountains, La Paz Co., AZ, ( 12.898' 114° 7.036')

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

Bureau of Land Management (Lake Havasu City Field Office)

*IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[] NO[]

**HABITAT DESCRIPTION:**

The Buckskin Mountains have elevations ranging from near the Colorado River at approximately 400' to about 1888' at Giers Mountain. The topography ranges from gentle bajadas and rolling hills to high benches, rugged cliffs, ridges, and mesas. Both Arizona Upland and Lower Colorado River subdivisions of Sonoran desertscrub occur in the proposal area.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

	Description	Qty	Cost
PVC Water Storage	24" diameter x 120'	3 @ \$3,900ea	\$11,700
Plumbing	Misc fittings and collection point pipeline		\$1000
Trough	36" Mule Deer walk-in trough (off contract)	1	\$800
Water Rights	Water rights application to ADWR	1	\$2500
Helicopter Services (Model L ~ 206)	Ferry Time (\$650/hr)	3hr	\$1950
	Fly in materials/people (\$925/hr)	4 days (8 hrs total)	\$7400
	Fuel Truck (\$1.30/mile)	800 miles	\$1040
Total Tag Fund Project Cost			\$26,390

Cost Share or Matching Funds

Item	Description	Qty	Cost
Volunteer Labor	ADBSS \$183/day	150 man days	\$27,450
Total Cost Share/Match			\$27,450

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

AGFD Region IV in conjunction with Habitat Branch and BLM personnel will complete the needed environmental and cultural clearances for project completion. AGFD Region IV will provide construction coordination including transport of necessary tools and material to and from the staging area. The ADBSS will be providing volunteer labor associated with construction of the water development.

**PROJECT MONITORING PLAN:**

AGFD Region IV will monitor water levels according to the Regional water development protocol.

**PROJECT MAINTENANCE:**

AGFD Region IV will conduct minor to moderate maintenance and Development Branch will conduct any major maintenance.

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

Suze Ehret, AGFD Region IV

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

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

**PROJECT NAME:** Re-construction of Red Cliffs #996 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 and Joe Currie (numerous occasions)
- 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: Giers Catchment #628  
Type of water source (catchment, spring, dirt tank): Catchment  
Ownership of water source: AZGFD  
Distance in miles from project: 2.5
- 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.**  
BLM Gibraltar 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: 1.5 mi Approximate hiking time: 30 min.  
  
-- 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.**
- 10) **Was a site visit completed?** Yes No

If Yes, please list personnel that attended and date.

April 14, 2011

Dave Conrad, Field Supervisor, AZGFD

Suzanne Ehret, Wildlife Manager, AZGFD



