

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

Game Branch / HPC Project Number:	11-413
Possible Funding Partners:	

PROJECT INFORMATION

Project Title: 534 Water Development Repair

Region and Game Management Unit: Region 4, GMU 43B

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 Repair

Brief Project Summary: The existing water developments have failed and water to this remote site is being maintained by a temporary 2500 gallon tank. A new PVC system needs to be installed to restore reliable water to local wildlife. Additionally, the existing barbed wire fence is in disrepair and water is accessible by the large wild horse and burro population on YPG. Wildlife friendly, livestock enclosure fencing needs to be added to the site to prevent wild horses and burros from accessing this water. Currently, there is no fence on this water development.

Big Game Wildlife Species to Benefit: Deer, Bighorn Sheep

Implementation Schedule (Month/Day/Year):

Project Start Date:
Winter 2012- Spring 2013

Project End Date:
Winter 2012- Spring 2013

Environmental Compliance:

NEPA Completed: YES[] No[] N/A[]
 Projected Completion Date: Ongoing. Will be completed 12/31/11

State Historic Preservation Office - Archaeological Clearance:

YES[X] No[] N/A[] _____
 Projected Completion Date: Completed by YPG- 2006
 Arizona Game and Fish Department EA Checklist: N/A[]
 To be Completed by: Joseph Currie, Alicia Nemlowill
 Projected Completion Date: Fall 2012

PROJECT FUNDING

Special Big Game License Tag Funds Requested: \$12,642

Cost Share or Matching Funds: \$20,642

Total Project Costs: \$ 33,284

PARTICIPANT INFORMATION

Applicant (please print):
Alicia Nemlowill

Address:
9140 E. Street
Yuma, Arizona 85367

E-mail:
anemlowill@azgfd.gov

Telephone: 928-856-0718

Date: 9/1/2011

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

Project has been coordinated with:
Yuma Proving Grounds

NEED STATEMENT – PROBLEM ANALYSIS:

Previously, both a ring tank system and buried Xerxes tank system were installed at this location. Both systems have failed. Water to this site is being maintained to this site by a 2500 gallon temporary tank. The failure of the existing water developments and the low capacity of the temporary tank have caused an increase in manpower and maintenance costs to maintain water at this location. Leaks in this system, although repaired as noted, as well as low storage capacity make it unreliable. A new system needs to be installed to reliably provide water in this location as well as reduce the amount of manpower hours and maintenance costs currently being incurred to maintain water availability. Wildlife friendly, livestock enclosure fencing needs to be installed to prevent wild horses and burros from utilizing this water source.

This water development is located near the Chocolate Mountains and is used daily by bighorn sheep, deer, and small game (See attached photographs). Water can be hauled to this water development without the use of a helicopter. This area is open to bighorn sheep hunting. Currently, six permits are offered annually in GMU 43B.

PROJECT OBJECTIVES:

Maintain a reliable, low cost water source for bighorn sheep in the Chocolate Mountains.
Restore a reliable water source for deer and small game in the Chocolate Mountains.
Reduce costs associated with frequent water hauling and maintenance for this system.

PROJECT DESCRIPTION AND STRATEGIES:

We proposed to dig a trench 120 feet long by 13 feet wide to a depth of 3 feet adjacent to the existing Xerxes tank (irreparably) within the existing footprint. Two foot diameter PVC pipe will be buried in the trench and will provide necessary storage tanks. The PVC pipe storage system will be connected to an existing walk-in drinker. Wildlife friendly, livestock enclosure fencing will be installed to prevent the local population of wild horses and burros from accessing the water.

PROJECT LOCATION:

This water development is located near the Chocolate Mountains, on Yuma Proving Grounds. (N 33 14.971; W 114 17.893 or UTM, 11S, 751682mE, 3682226mN)

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

This project is located on U.S. Military land operated by the Yuma Proving Grounds. Portions of YPG are open to general hunting activities, while additional areas are restricted to the take of bighorn sheep only. The area where this project is located is open to bighorn sheep hunting.

HABITAT DESCRIPTION:

Sonoran Desertscrub

ITEMIZED USE OF FUNDS:

4- 120 foot runs of 2 foot PVC pipe (120 ft)- \$15,600
3'd X 4'w Fiberglass Standard Walk-in drinker- \$3,294
Plumbing (Pipe, Fittings, Misc)- \$3,000
Wildlife Friendly Livestock Exclosure Fence- \$3,390
Labor to complete the project - \$8,000
Total Project Costs = \$33,284

Special Big Game License Tag Funds

\$12,642 Requested

Cost Share or Matching Funds

\$12,642 of above funds will come from Yuma Proving Grounds
\$8,000 Volunteer labor

Total Cost Share = \$20,642

*Environmental and Archeological Clearance has been completed by Yuma Proving Grounds staff

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Archeological surveys and environmental compliance were conducted by Yuma Proving Grounds staff.
Volunteer labor is expected from Sportsman organizations to complete this project.

PROJECT MONITORING PLAN:

This water development is 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:

This water development is maintained by the district wildlife manager and Region 4 water program as needed.

PROJECT COMPLETION REPORT TO BE FILED BY:

Alicia Nemlowill, Wildlife Manager II, FOR4

WATER DEVELOPMENT PROJECTS (*see attached worksheet*):

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

PROJECT NAME: Repair of Development 534

- 1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"**
No.

 - 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Joseph Currie, 8/5/2011

 - 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: Colorado River
Type of water source (catchment, spring, dirt tank): River
Ownership of water source: Federal
Distance in miles from project: Approximately 19 miles

 - 6) **Is the target wildlife species a result of transplant efforts?** YES NO
However, one of the target wildlife species, bighorn sheep, is a source population for transplants to other areas.

 - 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 U.S. Military and operated by the Yuma Proving Grounds.

 - 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:

Prior military clearance is required to access this area. Hunters must view a safety presentation and obtain an access permit and clearance from YPG prior to taking wildlife in this area.

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

4-120 foot runs of 2' diameter PVC pipe (120 ft)- \$15,600

3'd x 4'w Fiberglass Standard Walk-in drinker- \$3,294

Plumbing (Pipe, Fittings, Misc)- \$3,000

Wildlife Friendly Livestock Exclosure Fence- \$3,390

Volunteer labor to complete project- \$8,000

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

If Yes, please list personnel that attended and date.

John Hervert, Regional Wildlife Program Manager, Alicia Nemlowill, District Wildlife Manager, Multiple

2006- YPG staff including Karla James (Archeologist)

