

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

Game Branch / HPC Project Number:	14-402
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PROJECT INFORMATION

Project Title: Big Rock	
Region and Game Management Unit: Region 4 / 40B	
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[] → Funded HPC Project #(s):	
Project Type: New water catchment construction	
Brief Project Summary: Develop new catchment in an area of insufficient water resources for Desert Bighorn Sheep in the north portion of the Copper Mountains.	
Big Game Wildlife Species to Benefit: Desert Bighorn Sheep	
Implementation Schedule (Month/Day/Year): <u>Project Start Date:</u> 1/1/15 <u>Project End Date:</u> 4/30/16	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: N/A[] To be Completed by: <u>Scott Fischer</u> Projected Completion Date: <u>12/31/14</u>

PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$ 18,800
Cost Share or Matching Funds:	\$ 5,000
Total Project Costs:	\$ 23,800

PARTICIPANT INFORMATION

Applicant (please print): Scott Fischer	Address: 9140 E. 28 th Street Yuma, AZ 85365	E-mail: sfischer@azgfd.gov
Telephone: (928)580-7533		Date: 8/6/14

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

Project has been coordinated with:
Ed Jahrke (AGFD), John Hervert(AGFD), Randy English (MCAS Yuma Marine Corp)

NEED STATEMENT – PROBLEM ANALYSIS:

The Copper Mountain range consists of approximately 33 square miles of habitat for Desert Bighorn Sheep. The herds that exist in this area have two reliable water sources (South Copper 10,000 gallons, and Betty Lee Cistern 19,000 gallons) and one failed water source (Coyote Peak). Betty Lee is in the central portion of the mountain range, South Copper is at the southern extreme of the mountain range (Ten miles apart), and Coyote Peak is at the northern end. This leaves the northern portion (approximately 10 square miles) of the habitat without any reliably available water sources for sheep.

This has led to consistent observations that sheep only use the central and southern extent of the range during periods when water is a limiting factor (Summer). With the addition of another permanent water source forage resources can more effectively be utilized across the entirety of the mountain range and provide additional complete habitat for the

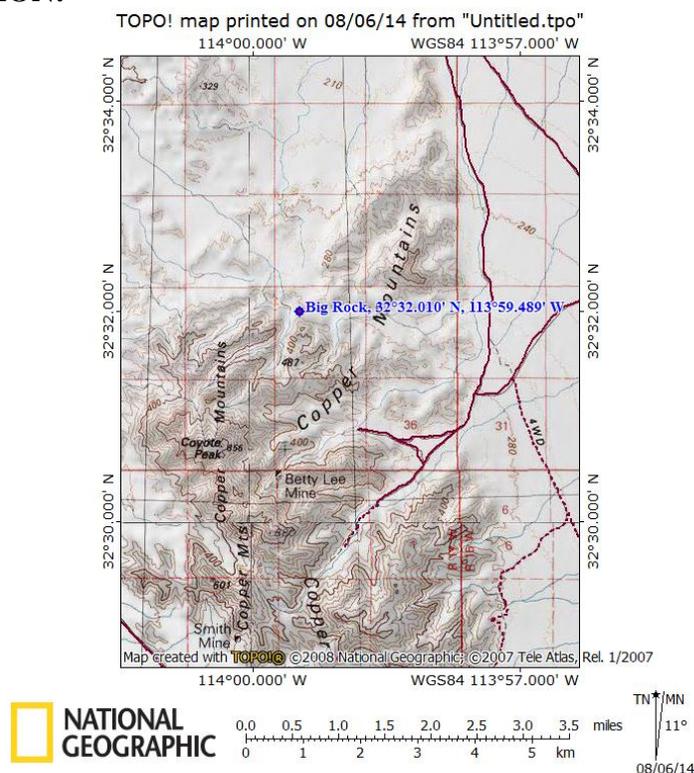
PROJECT OBJECTIVES:

Develop an 11,360 gallon PVC wildlife water at the northern extent of the Copper Mountains in order to provide a water resource to complement the available habitat to the local Desert Bighorn Sheep herds. The long term objective is to increase population size due to more available habitat.

PROJECT DESCRIPTION AND STRATEGIES:

Bury 24” PVC pipe storage system, install three foot trough, and place several rainwater collection points in nearby drainage using volunteer labor.

PROJECT LOCATION:



Legal: 10S 17W 26

LAND OWNERSHIP AT THE PROJECT SITE(S):

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

- **Department of Defense – Marine Corp.**

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

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

HABITAT DESCRIPTION:

Sonoran Desert, Colorado Subdivision

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

Purchase 24 inch PVC pipe (4 X 120')	= \$14,800
Walk in Trough	= \$1,000
Misc. Plumbing	= \$3,000

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

Yuma Valley Rod and Gun Club (YVR&GC) will provide three trailers to transport materials and supplies, 20 laborers for three days, volunteer mileage, and misc. plumbing supplies.

= \$5,000

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

YVR&GC will provide three trailers to haul supplies, two backhoe operators, 10 total laborers, for three days, volunteer mileage, and volunteer equipment and supplies.

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

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

PROJECT MONITORING PLAN:

Scott Fischer (WM) will maintain the new system according to Region IV maintenance protocol. To be checked monthly during the summer season and at least once during the cool season.

PROJECT MAINTENANCE:

If water hauling is required, Region IV personnel will take the lead and insure it is completed. Minor maintenance such as cleaning the silt trap, removing organic matter and measuring the water level will be accomplished by Scott.

PROJECT COMPLETION REPORT TO BE FILED BY:

Scott Fischer, Wildlife Manager GMU 40B

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

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

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT TITLE: Big Rock

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: 8/6/14

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:

Type of water source (catchment, spring, dirt tank):

Ownership of water source:

Distance in miles from project:

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.**

Department of Defense – Marines (Barry M. Goldwater Bombing Range) permitted access.

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

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

**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:

Range permits are required to be in possession prior to entering onto BMGR West

Permits are free of charge and available through MCAS Yuma

Permits are not required for official personnel (and volunteers) during construction

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

- 24" PVC pipe water storage (4 X 120') capacity 11,500 gallons
- 36" deep walk-in trough
- 6" PVC collection system (Length TBD)

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

If Yes, please list personnel that attended and date.

Robert Law (MCAS, Biologist) and John Hervert, December 2011

ARIZONA GAME AND FISH DEPARTMENT **TREE CLEARING/REMOVAL WORKSHEET**

PROJECT TITLE: _____

- 1) **What is the estimated acreage of the project?**

- 2) **How are the trees going to be cleared? (agra axe, chain saw, grubbing, push, chaining):**

- 3) **What is the estimated number of trees per acre?**

- 4) **Describe trees to be cleared (species, estimated diameter, single stem, multi-stem):**

- 5) **Describe terrain (slope, soil type, rocks)**

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

- 7) **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: Approx. hiking time:

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

Is the site relatively accessible for tree removal equipment? YES[] NO[]

Please describe any restrictions to public access:

ARIZONA GAME AND FISH DEPARTMENT VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET

PROJECT TITLE: _____

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf

\$0.445/mile should be the calculation used for mileage.

Water Development	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
	300	448	\$14.14	\$4442
Habitat Restoration and Clean Up	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Fisheries	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Nongame Branch Project	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Misc/office work	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			varies	
Community Services	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$7.44	
Events and Other	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Research Branch	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Wildlife Area Hosts	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$17.44	
Education Programs	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$16.07	
Totals				