

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

Game Branch / HPC Project Number:	13-610
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PROJECT INFORMATION

Project Title: Bobtail Spring Water Development

Region and Game Management Unit: Region 6 / GMU 24A

Local Habitat Partnership Committee (LHPC): <ul style="list-style-type: none"> • Payson Natural Resource Committee 	Was the project presented to the LHPC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
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Has this project been submitted in previous years? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> If Yes, was it funded? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> → Funded HPC Project #(s):

Project Type: Water Development

<p>Brief Project Summary: I propose to pipe water from Bobtail Spring located south of the Pinal Mountains on Tonto National Forest property to a storage tank that would feed two drinkers (1 for livestock and 1 for wildlife). The spring would be fenced. This siphoning process would be accomplished by using a generator powered by solar panels.</p> <p>The project area is primarily chaparral habitat with little year round water. There is currently an old pipeline that runs from an unknown water source in the spring, which would provide the water needed to the holding tank and drinkers.</p> <p>The permittee from the Lyons Fork Allotment (Government Springs Ranch) has volunteered to provide heavy equipment and labor. The primary project accomplishment will be to provide reliable year round water into important wildlife habitat in the southern portion of game management unit 24A near the Pinal Mountains as well as to cattle in the area. This area will be monitored after the project is completed to determine the extent of wildlife use.</p>

Big Game Wildlife Species to Benefit: White-tailed and Mule Deer, small, upland and non-game species

<p>Implementation Schedule (Month/Day/Year):</p> <p><u>Project Start Date:</u> 03/01/2014</p> <p><u>Project End Date:</u> 12/2015</p>	<p>Environmental Compliance: NEPA Completed: Yes<input checked="" type="checkbox"/> No<input type="checkbox"/> N/A<input type="checkbox"/> Projected Completion Date: _____</p> <p>State Historic Preservation Office - Archaeological Clearance: Yes<input type="checkbox"/> No<input type="checkbox"/> N/A<input type="checkbox"/> Projected Completion Date: _____</p> <p>Arizona Game and Fish Department EA Checklist: N/A<input type="checkbox"/> To be Completed by: <u>Rodriguez/Darveau</u> Projected Completion Date: <u>prior to project start if needed</u></p>
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PROJECT FUNDING		
Special Big Game License Tag Funds Requested:	\$ 12,577	
Cost Share or Matching Funds:	\$ 6995	
Total Project Costs:	\$ 19572	
PARTICIPANT INFORMATION		
Applicant (please print): Danny Rodriguez	Address: 7200 E. University Mesa, AZ 85207	E-mail: jrodriguez@azgfd.gov
Telephone: 928-525-4380		Date: 8/30/13
AGFD Contact and Phone No. (If applicant is not AGFD personnel):		
Project has been coordinated with: USFS Tonto National Forest Globe District and Mickey Byrne-Government Springs Ranch		

NEED STATEMENT – PROBLEM ANALYSIS:

The project area is quality wildlife habitat; however, the vicinity has very little water. With the addition of these drinkers and holding tank, water would be available to all wildlife as well as livestock year round. These drinkers would also allow the larger animals to avoid trampling vegetation in the spring during times of dry hot climates.

PROJECT OBJECTIVES:

- The objective of this project is to provide cattle and wildlife an alternative source of water.
- Keep cattle away from impacting the spring
- Fence off solar panels and spring.

PROJECT DESCRIPTION AND STRATEGIES:

The primary project accomplishment will be to allow cattle to utilize a water source nearby away from the occurring riparian area and to provide reliable year round water into important white tail habitat in the southern portion of AGFD management unit 24A near the Pinal Mountains. This area will be monitored after the project is completed to determine the extent of deer use. The area will be surveyed during post season surveys, and examined at other times of the year to quantify deer use of the area, and to insure that water is available.

Photographs will be taken during project construction and submitted to the Game Branch funds administrator, and an article could be generated for the Wildlife Views to illustrate the importance of pursuing joint projects which are valuable to livestock as well as wildlife.

PROJECT LOCATION:

Townshp-T2S Range-R15E Section S17

TOPO! map printed on 08/30/11 from "Bobtail Sp Water Dev.tpo"

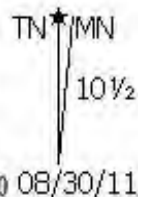
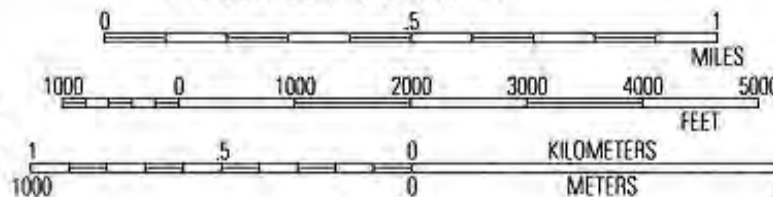
WGS84 110°50.000' W



WGS84 110°50.000' W



**NATIONAL
GEOGRAPHIC**



LAND OWNERSHIP AT THE PROJECT SITE(S):

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

- USFS Tonto National Forest

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:

The project area is primarily interior chaparral. The spring itself is composed of oaks, cat-claw, willows, cottonwoods, Manzanita, and other brush species. The location of drinkers and holding tank is composed of primarily manzanita and scrub oak. The location of the holding tank and drinkers will require some clearing, but will be handled by the permittee.

ITEMIZED USE OF FUNDS:

Costs Category- Equipment, Labor, Administrative, Material	Grant Dollars Requested	Cost Share Dollars USFS- Tonto Nat Forest	Cost Share Dollars Randy Hoops
2640 feet of poly plastic pipe	\$2,000.00		
One Storage Tank	\$1,927		
Two Drinkers Miscellaneous, fittings, couplers valves, float boxes, etc.	\$800		\$100
Equipment Rental			\$800.00
Labor \$12 hr for 40hrs for 7 days			\$3360.00
Equipment fuel (35 gallons of diesel)			\$135
Solar Panels, water Pump, and miscellaneous pump parts	\$7,000		\$100
Fence materials	\$850		
USFS-Tonto National Forest Complete Project Clearance and Site Visits		\$2500	
Totals	\$12,577	\$2500	\$4495

Special Big Game License Tag Funds

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

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Game and Fish Department will provide materials.

Tonto National Forest will conduct any required clearances.

The permittee will provide labor and all required machinery for this project.

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

YES[] NO[] N/A[]

PROJECT MONITORING PLAN:

Monitoring of the initial construction will be done by the local Wildlife Manager. Once construction is complete then the permittee will monitor.

PROJECT MAINTENANCE:

Maintenance will be performed by the Government Springs ranch manager Mickey Byrnes

PROJECT COMPLETION REPORT TO BE FILED BY:

Danny Rodriguez, Wildlife Manager II , Globe District

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 NAME: Bobtail Spring Water Development

- 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.**
N/A
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
 2-4 4-6 6-8 8-10 10-12 X 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) X NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: No name (Not reliable water source)
Type of water source (catchment, spring, dirt tank, etc.): spring
Ownership of water source: Tonto National Forest
Distance in miles from project: 0.27 miles
- 6) **Is the target wildlife species a result of transplant efforts?** YES X NO
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**
- 8) **Please provide the following information about access to the proposed site:**
Type of access (mark one): X 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 X 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.**

MATERIALS REQUESTED

- Solar Panels, Generator ,and Miscellaneous - \$7,000
- Storage Tank - \$1,927
- Drinker, float, and miscellaneous parts- \$800
- Piping 0.5 mile-2640 ft at .68 cents -\$2,000
- Fencing - \$850
 - Total = \$12,577

10) Was a site visit completed? Yes No

If Yes, please list personnel that attended and date.

USFS Tonto National forest Globe District- Ernie Gipson 07/2009
Government Springs Ranch Manager Mickey Byrne-07/2008
John Koleszar-AZ Deer Association-08/2011

ARIZONA GAME AND FISH DEPARTMENT

VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET

PROJECT TITLE: Bobtail Spring Water Development

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
			\$14.14	
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				