

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

Game Branch / HPC Project Number:	16-616
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**PROJECT INFORMATION**

<b>Project Title:</b> Edwards Spring Pipeline and Troughs	
<b>Region and Game Management Unit:</b> Region 6/ GMU 23 South	
<b>Local Habitat Partnership Committee (LHPC):</b> • Payson Natural Resource Committee	<b>Was the project presented to the LHPC?</b> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
<b>Has this project been submitted in previous years?</b> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> <b>If Yes, was it funded?</b> YES <input type="checkbox"/> NO <input type="checkbox"/> → <b>Funded HPC Project #(s):</b>	
<b>Project Type:</b> Water distribution system	
<b>Brief Project Summary:</b> This project will involve the installation of trough(s) and poly water pipeline. This project is supported by the Forest Service, Tonto Basin Ranger District. The project is in the process of being archeologically cleared by the Forest Service staff as part of maintenance on and addition to an existing range improvement. NEPA has been done.	
<b>Big Game Wildlife Species to Benefit:</b> 40% Mule deer, 40% whitetail deer, 20% Javelina	

<b>Implementation Schedule</b> (Month/Day/Year):  <u>Project Start Date:</u> Spring/summer 2017  <u>Project End Date:</u> End of 2017	<b>Environmental Compliance:</b> NEPA Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Projected Completion Date: _____  State Historic Preservation Office - Archaeological Clearance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Projected Completion Date: <u>Fall 2016</u>  Arizona Game and Fish Department EA Checklist: N/A <input checked="" type="checkbox"/> To be Completed by: <u>Joe Sayer</u> Projected Completion Date: _____
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**PROJECT FUNDING**

<b>Special Big Game License Tag Funds Requested:</b>	\$ 6,166
<b>Cost Share or Matching Funds:</b>	\$ 6,000
<b>Total Project Costs:</b>	\$ 12,166

**PARTICIPANT INFORMATION**

<b>Applicant</b> (please print): Joe Sayer, WM	<b>Address:</b> 7200 E. University Mesa, AZ 85207	<b>E-mail:</b> jsayer@azgfd.gov
<b>Telephone:</b> 928-853-0963	<b>Date:</b> August 10, 2016	

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

**Project has been coordinated with:** Eric Hoskins and Kelly Jardine, Tonto Basin Ranger District

**NEED STATEMENT – PROBLEM ANALYSIS:** The need of water sources in 23S is part of the overall long-term habitat needs that will improve deer habitat and sustain a viable population. GMU 23S used to sustain a much larger deer herd. Part of the problem with the depressed population is water availability. Edwards’s spring has become intermittent forcing wildlife to travel out of a protected area for water.

**PROJECT OBJECTIVES:** This project will assist with having a more reliable water source at Edwards’s spring year round.

**PROJECT DESCRIPTION AND STRATEGIES:** This will involve placing new 1” plastic pipe above surface, overland 8,472 feet from the 5,000 gallon tank in Walnut Holding Pasture to help augment available water at Edwards Spring. The water will be piped into a trough with a built in wildlife use/escape ramp.

Archeological Clearances and Categorical Exclusions have been committed by the local Forest Service staff and will be complete by 2017.

**PROJECT LOCATION:** This project is located in the Tonto Basin Ranger District near Lower Juniper Canyon, just East of Forest Road 71. See attached map.



**LAND OWNERSHIP AT THE PROJECT SITE(S):**  
(if the project area is private property, please state specifically and provide the landowner’s name)

- United States Forest Service, Tonto Basin Ranger District

*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:**

Mixed juniper, mesquite, jojoba, prickly pear, saguaro and cholla. The elevation is about 3,500 feet.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

**TOTAL GRANT FUNDS REQUESTED: \$6,166**

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

**Anticipated Costs are:**

Poly pipe- 8,300 feet @ \$0 .62/Foot	\$5,146
1-Trough 4ft X 10ft 500 gallon aluminum w/built in escape ramps	\$800
1-Vault Valve	\$220

**Materials Total: \$6,166**

**Labor:**

USDA Forest Service, T.N.F –NEPA  
and Archeological Clearances : \$2,000

Arizona Game and Fish  
project origination and coordination \$1,000

Permitee Labor, misc. plumbing and fuel costs: \$3,000

**Cost Share Total: \$6,000**

**Total Costs: \$12,166**

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

**Arizona Game & Fish Department:** Labor, in-kind labor writing proposal and coordinate completion

report, site visits and maintenance after completion.

**USDA T.N.F, Tonto Basin Ranger District:** NEPA and Archeological Clearances.

**Permitee (O bar C Ranch):** Implement project and perform maintenance. Provide labor to install poly pipe and drinkers.

**Non-Profit Organization (possible funding partners):** Mule Deer Foundation (MDF)/ Arizona Deer Association (ADA)

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

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

**PROJECT MONITORING PLAN:** No monitoring will be required other than regular water level checks and maintenance, to be conducted by the Permitee.

**PROJECT MAINTENANCE:** To be performed by the Permitee.

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

**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:** \_\_\_\_\_

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

Project not presented to Game Branch

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

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: Walnut spring

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

Ownership of water source: USFS, Tonto Basin Ranger District

Distance in miles from project: about 1.56 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.**

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: 1.25 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.**

Poly pipe- 8,300 feet @ \$0 .62/Foot	\$5,146
1-Trough 4ft X 10ft 500 gallon aluminum w/built in escape ramps	\$800
1-Vault Valve	\$220

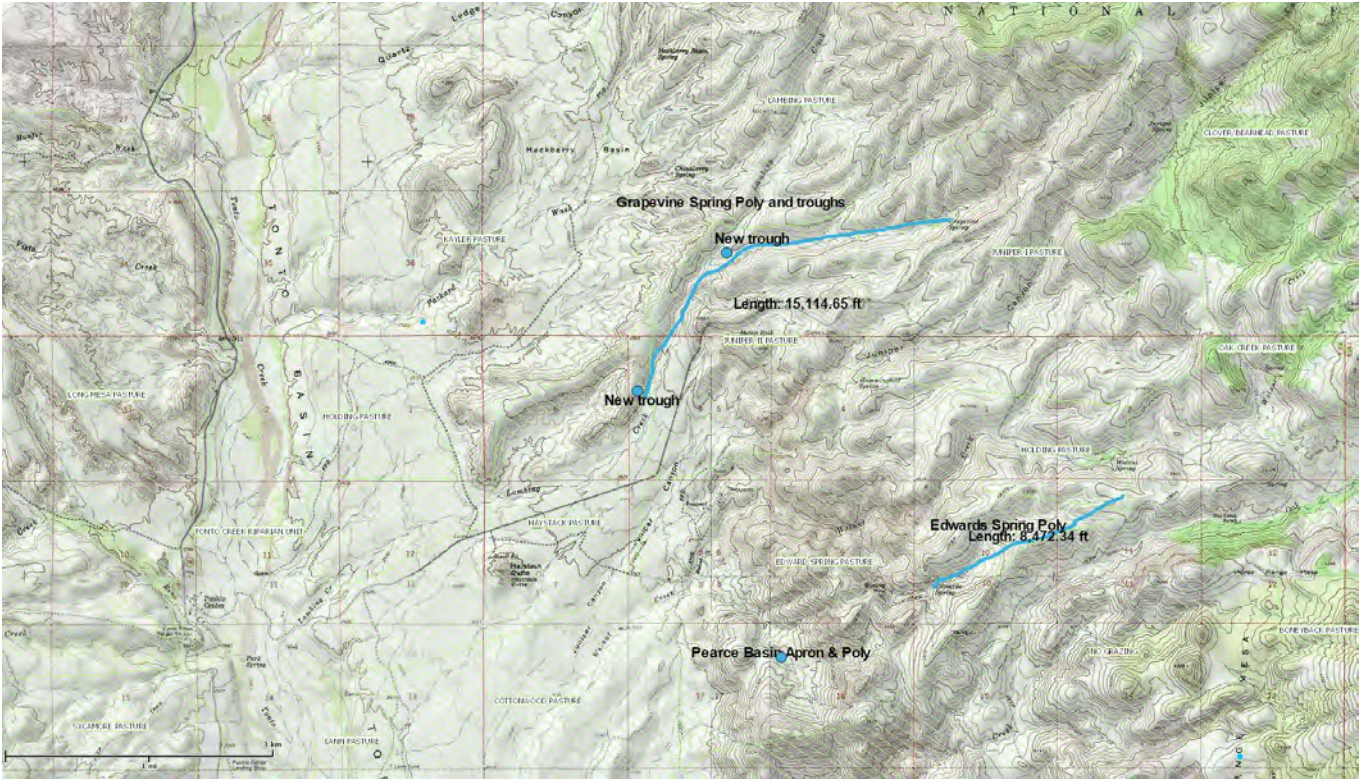
**Materials and equipment rental Total: **\$6,166****

10) **Was a site visit completed? Yes No**

If Yes, please list personnel that attended and date.



Joe Sayer, Eric Hoskins, 2016



## **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](http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf)

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

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