

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

Game Branch / HPC Project Number:	16-611
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**PROJECT INFORMATION**

<b>Project Title:</b> Mesquite Flat Pipeline and Troughs	
<b>Region and Game Management Unit:</b> Region 6/ GMU 22 South	
<b>Local Habitat Partnership Committee (LHPC):</b> • Payson Natural Resource Committee	<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>Funded HPC Project #(s):</b>	
<b>Project Type:</b> Spring water system	
<b>Brief Project Summary:</b> This project will involve redevelopment of Nook Spring, the installation of troughs and a 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 Forest Service staff as part of a range improvement. NEPA has been done.	
<b>Big Game Wildlife Species to Benefit:</b> 55% Mule deer, 30% Whitetail, 15% 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[X] No[] N/A[] Projected Completion Date: _____  State Historic Preservation Office - Archaeological Clearance: Yes[] No[X] N/A[] Projected Completion Date: <u>Spring 2017</u>  Arizona Game and Fish Department EA Checklist: N/A[X] 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>	\$ 9,580
<b>Cost Share or Matching Funds:</b>	\$ 5,000
<b>Total Project Costs:</b>	<b>\$ <u>15,580</u></b>

**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 31, 2016

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

**Project has been coordinated with:** Eric Hoskins, Tonto Basin Ranger District. Jim Lawrence, Mule Deer Foundation. Mark Cline, Bar X Ranch.

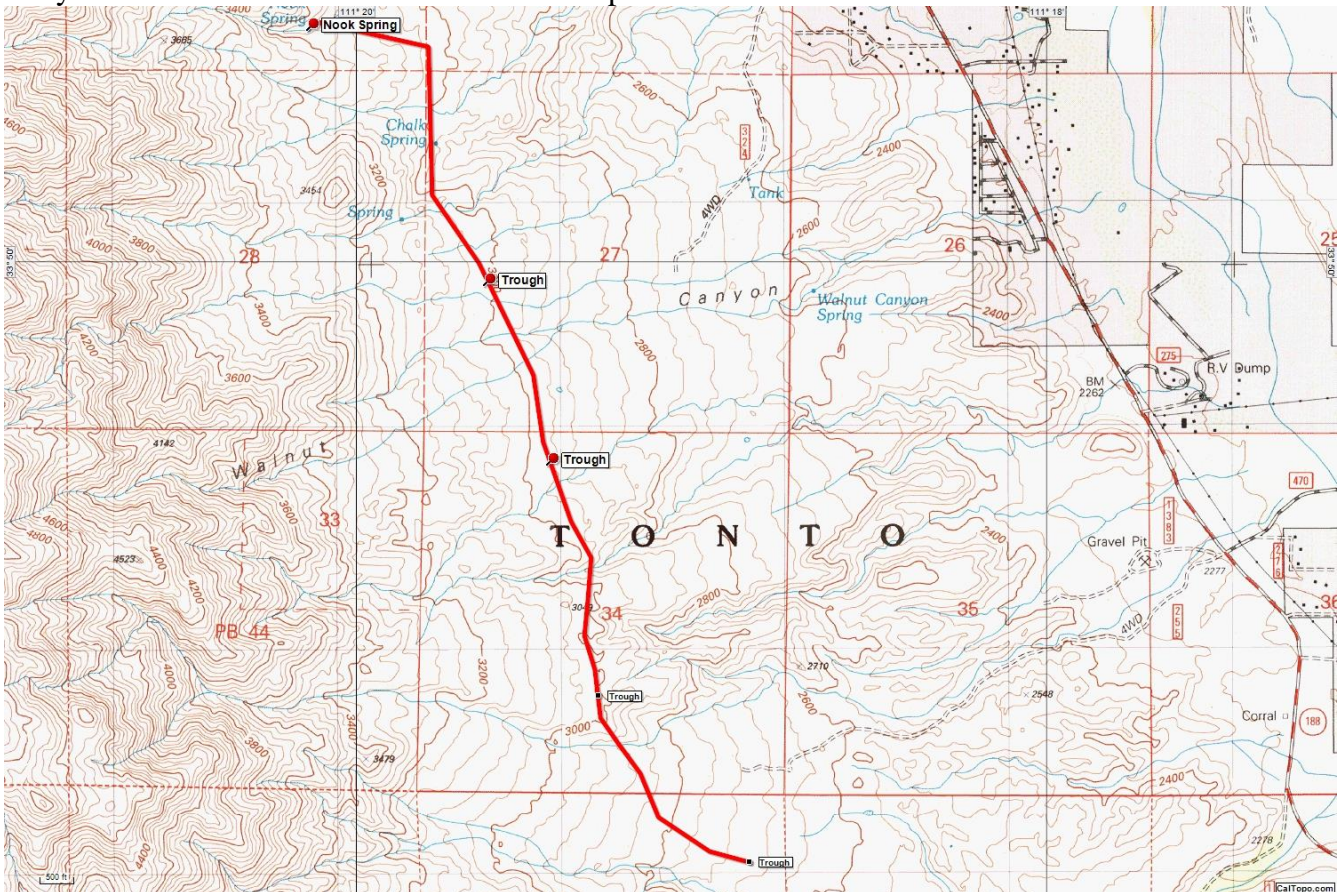
**NEED STATEMENT – PROBLEM ANALYSIS:** The need of water sources in 22S is part of the overall long-term habitat needs that will improve deer habitat and sustain a viable population. GMU 22S used to sustain a much larger deer herd. Part of the problem with the depressed population is water availability. Mesquite Flat is a poorly watered area. This project will provide better distribution of water in needed areas.

**PROJECT OBJECTIVES:** This project will provide reliable water year round to areas where little to none is currently present. The troughs will remain filled year round for wildlife utilization.

**PROJECT DESCRIPTION AND STRATEGIES:** This will involve placing poly pipe above surface from Nook Spring to a proposed four new troughs. This will provide for better water distribution from Nook Spring South across the flat towards Sycamore Creek. The water will be piped a total of about 11,000 feet into troughs with wildlife use/escape ramps.

The project is in the process of being archeologically cleared by Forest Service staff as part of a range improvement. NEPA has been done.

**PROJECT LOCATION:** This project is located in the Tonto Basin Ranger District near Walnut Canyon West of Tonto Basin. 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:**

Desert Grassland with mixed juniper, mesquite, jojoba, prickly pear, saguaro and cholla.  
The elevation is about 3,000 feet.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

**TOTAL GRANT FUNDS REQUESTED: \$9,580**

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

**Anticipated Costs are:**

Poly pipe- 11,000feet @ \$0 .62/Foot	\$6,882
2-Troughs – 625 gallon poly @ \$280	\$560
2-Vault valves @ \$220	\$440
3,000 gallon poly storage tank	\$1,698

**Materials Total: \$9,580**

**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, two troughs,  
spring development and fuel costs: \$3,000

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

**Total Costs: \$15,580**

**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.

**Permittee (Bar X Ranch):** Implement project and perform maintenance. Provide labor to install poly pipe and drinkers.

**Non-Profit Organization (possible funding partners):** Mule Deer Foundation (MDF)

**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 Permittee.

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

**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*):



If Yes, please list personnel that attended and date.  
Eric Hoskins, 2015

## 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>				