

**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

Project Title: Mesquite Flat Pipeline and Troughs	
Region and Game Management Unit: Region 6/ GMU 22 South	
Local Habitat Partnership Committee (LHPC): • Payson Natural Resource Committee	Was the project presented to the LHPC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Has this project been submitted in previous years? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> If Yes, was it funded? YES <input type="checkbox"/> NO <input type="checkbox"/> → Funded HPC Project #(s):	
Project Type: Spring water system	
Brief Project Summary: 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.	
Big Game Wildlife Species to Benefit: 55% Mule deer, 30% Whitetail, 15% Javelina	
Implementation Schedule (Month/Day/Year): <u>Project Start Date:</u> Spring/summer 2017 <u>Project End Date:</u> End of 2017	Environmental Compliance: 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>Spring 2017</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: _____

PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$ 9,580
Cost Share or Matching Funds:	\$ 5,000
Total Project Costs:	\$ <u>15,580</u>

PARTICIPANT INFORMATION

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

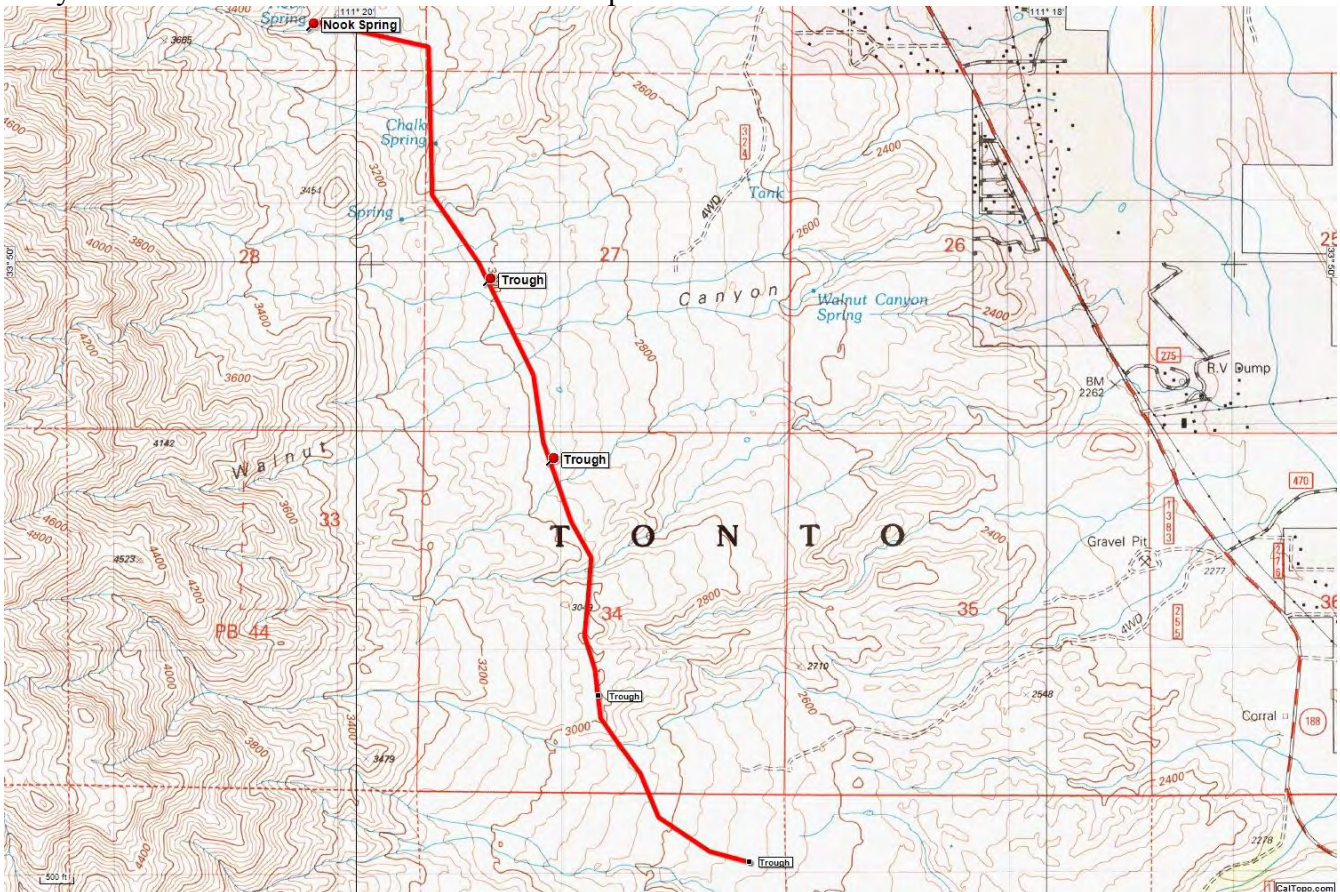
NEED STATEMENT – PROBLEM ANALYSIS: The need of water sources in 22S is part of the overall long-term habitat needs that will improve deer habitat and sustain a viable population. GMU 22S used to sustain a much larger deer herd. Part of the problem with the depressed population is water availability. 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.

Permitee (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 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:
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 1.0 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**

**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:

- 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- 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**

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

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

\$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				