

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

Game Branch / HPC Project Number: 16-615

PROJECT INFORMATION

Project Title: Grapevine Spring Pipeline and Troughs

Region and Game Management Unit: Region 6/ GMU 23 South

Local Habitat Partnership Committee (LHPC):

- Payson Natural Resource Committee

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: Spring water system

Brief Project Summary: 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.

Big Game Wildlife Species to Benefit: Mule deer and quail.

Implementation Schedule (Month/Day/Year):

Project Start Date:

Spring/summer 2017

Project End Date:

End of 2017

Environmental Compliance:

NEPA Completed: Yes[X] No[] N/A[]

Projected Completion Date: _____

State Historic Preservation Office - Archaeological Clearance:

Yes[] No[X] N/A[]

Projected Completion Date: Fall 2016

Arizona Game and Fish Department EA Checklist: N/A[X]

To be Completed by: Joe Sayer

Projected Completion Date: _____

PROJECT FUNDING

Special Big Game License Tag Funds Requested:

\$ 13,128

Cost Share or Matching Funds:

\$ 6,000

Total Project Costs:

\$ 19,128

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 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

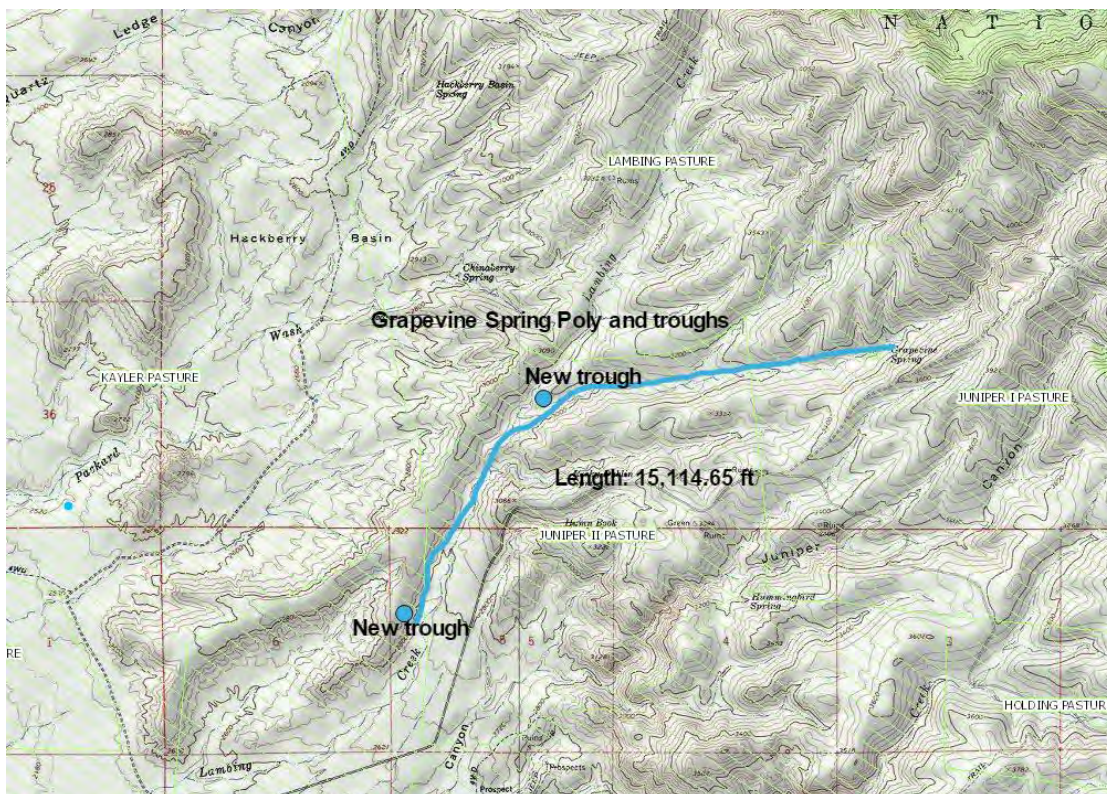
NEED STATEMENT – PROBLEM ANALYSIS: The need of water sources in 23S is part of the overall long-term habitat needs that will improve deer habitat and sustain a viable population. GMU 23S used to sustain a much larger deer herd. Part of the problem with the depressed population is water availability. Grapevine spring will provide better distribution of water in needed areas.

PROJECT OBJECTIVES: This project will reliable water year round to areas where none is currently present.

PROJECT DESCRIPTION AND STRATEGIES: This will involve replacing existing old plastic pipe from Grapevine Spring to a proposed new trough near Lambing Creek, then placing new 1” plastic pipe above surface, overland from that trough down Lambing Creek to another proposed new trough just inside of Haystack pasture. This will provide for better water distribution from Grapevine Spring. The water will be piped a total of 15,114 feet into troughs with built in wildlife use/escape ramps.

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 Lambing Creek, 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 3,000 feet.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

TOTAL GRANT FUNDS REQUESTED:

\$13,128

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

Anticipated Costs are:

Poly pipe- 15,114 feet @ \$0 .62/Foot	\$9,390
2-Troughs 4ft X 10ft 500 gallon aluminum w/built in escape ramps @\$800	\$1,600
2-Vault Valves @ \$220	\$440
1- 3,000 gallon poly storage tank	\$1,698

Materials Total: \$13,128

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: \$19,128

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)

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: Humming bird 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 1.0 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 only**

**If foot access only: Distance in miles: 2.9 Approximate hiking time: _____

-- Does access to this site require crossing private or tribal lands? YES☐ NO☒

-- Please describe any restrictions to public access:

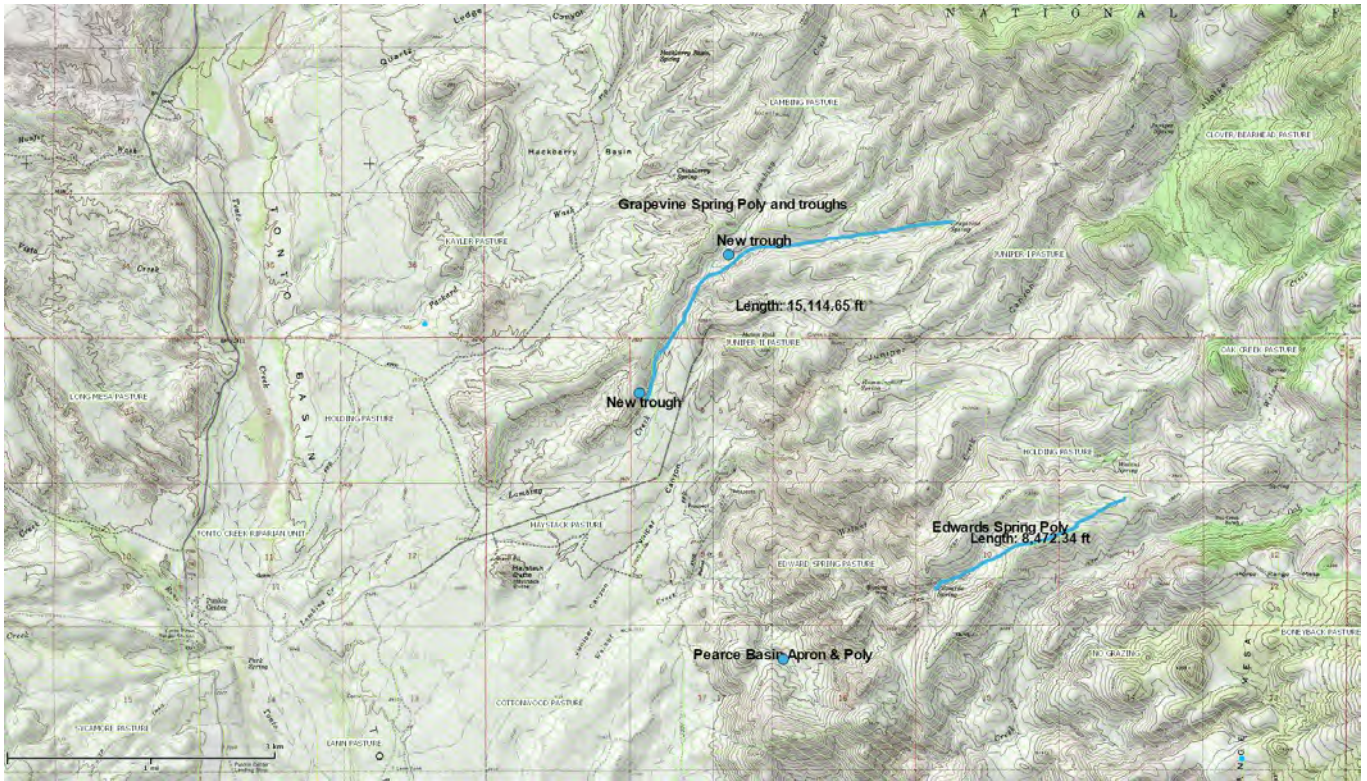
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

Poly pipe- 15,114 feet @ \$0 .62/Foot	\$9,390
2-Troughs 4ft X 10ft 500 gallon aluminum w/built in escape ramps @ \$800	\$1,600
2-Vault Valves @ \$220	\$440
1- 3,000 gallon poly storage tank	\$1,698

Materials and equipment rental Total: **\$13,128**

- 10) **Was a site visit completed?** Yes☒ No☐
If Yes, please list personnel that attended and date.

Joe Sayer, Eric Hoskins, Jim Lawrence 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

\$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				