

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

Game Branch / HPC Project Number: 16-609

PROJECT INFORMATION

Project Title: Kayler Pasture Tanks Cleanout and Bentonite Sealing

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: Dirt tank cleanout and bentonite sealing

Brief Project Summary:

This project will clean out three dirt stock tanks and seal one of them with bentonite. These tanks will provide vital water to the numerous deer, quail, javelina and other wildlife in this area. 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: 60% Mule deer, 20% Whitetail deer, 20% Javelina

Implementation Schedule (Month/Day/Year):

Project Start Date:

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: August 2016

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

To be Completed by: Joe Sayer

Projected Completion Date: _____

PROJECT FUNDING

Special Big Game License Tag Funds Requested:

\$ 12,000

Cost Share or Matching Funds:

\$ 10,000

Total Project Costs:

\$ 22,000

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 23S is part of the overall long-term habitat needs that will improve deer habitat and sustain a viable to growing population. GMU 23 South used to sustain a much larger deer population. Part of the problem with the depressed population that currently exists is water availability. The Juniper and Quartz Ledge areas have a growing mule deer herd. This herd will benefit from this water source in a key forage area and hopefully increase fawn survival as it is located away from high pressure areas. White tail deer are also located in the hills adjacent to Tie Rod Tank and will utilize this water source.

PROJECT OBJECTIVES: This project will clean out China Berry Tank and seal it with bentonite to provide water for wildlife. Quartz and Tie Rod tanks will be cleaned of sediment but do not need bentonite. A total of three tanks will be cleaned out.

PROJECT DESCRIPTION AND STRATEGIES: This project will clean out and seal three dirt tanks. China Berry tank is silted in, has a broken dam and does not hold water. The tank historically has not held water and will benefit from bentonite application. A two other tanks need silt removed caused from erosion. The tanks will be cleaned of excess silt via dozer/backhoe/excavator and bentonite will be applied and mixed into the soil at the appropriate rate to the tank that needs it. The needed bentonite will be sourced as a donation from the Mogollon Sporting Association.

The project is in the process of being archeologically cleared by Forest Service staff as part of maintenance on and addition to an existing range improvement. NEPA has been done.

PROJECT LOCATION: This project is located in the Tonto Basin Ranger District near Hackberry Basin and Juniper Canyon just East 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:

Semidesert Grassland with mixed juniper, mesquite and scrub oak up to chaparral. The elevation is from 2700 to 4200 feet.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

TOTAL GRANT FUNDS REQUESTED: **\$12,000**

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

Anticipated Costs are:

Dozer rental, delivery and fuel @4,000 a tank **\$12,000**

Materials and equipment rental Total: **\$12,000**

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

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

Permitee Labor costs: **\$2,000**

Bentonite donated by MSA/ADA/AES/MDF **\$5,000**

Cost Share Total: **\$10,000**

Total Costs: **\$22,000**

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 (O bar C Ranch): Implement project and perform maintenance. Provide labor or contract to operate equipment and provide fuel.

Non-Profit Organization (possible funding partners): Mule Deer Foundation (MDF), Arizona Deer Association, Mogollon Sporting Association

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*):

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[X] (please complete #5 below) NO[] (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: China Berry 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 .85miles
- 6) **Is the target wildlife species a result of transplant efforts? YES[] NO[X]**
- 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: _____ Approximate hiking time: _____

-- Does access to this site require crossing private or tribal lands? YES[] NO[X]

-- Please describe any restrictions to public access: After completion it will have access by foot only.
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

Dozer rental, delivery and fuel @4,000 a tank	\$12,000
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<u>Materials and equipment rental Total:</u>	<u>\$12,000</u>
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- 10) **Was a site visit completed? Yes[X] No[]**
If Yes, please list personnel that attended and date.

Eric Hoskins, 2015 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				