

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

Game Branch / HPC Project Number:	16-201
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PROJECT INFORMATION

Project Title: Unit 9 Dirt Tank Cleanouts	
Region and Game Management Unit: Unit 9	
Local Habitat Partnership Committee (LHPC): • Williams/Flagstaff	Was the project presented to the LHPC? YES[] NO[X]
Has this project been submitted in previous years? YES[] NO[X] If Yes, was it funded? YES[] NO[] → Funded HPC Project #(s):	
Project Type: Water, dirt stock tank repair and cleanout.	
Brief Project Summary: Unit 9 is wholly dependent on man made water sources. Dirt stock tanks make up the majority of the water storage in the unit. In 2012 Joe Auza, previous permittee, cleaned out 11 tanks in Unit 9. Since then these tanks have not held water. In 2016 the AES was notified of the situation and worked with Jake Rodgers to look at the tanks and determine the reason they did not hold water. Contractor Pete Page did site visits to each tank and determined that Mr. Auza had cut the bottoms out of the tanks and in most cases exposed bedrock. This causes the tanks to drain soon after being filled with rain. This project proposes to fix the 11 tanks and clean the silt out of 6 other tanks. A total of 17 tanks will be repaired and cleaned. The six tanks slated for cleaning are in an area that has seen growth of the numbers of elk due to the rotation of new cattle that have cleaned up old forage that has promoted new grass growth that has attracted more elk.	
Big Game Wildlife Species to Benefit (% benefit per species) : Elk(70%), Deer(20%), Antelope(10%)	

Implementation Schedule (Month/Day/Year): <u>Project Start Date:</u> April 2017 <u>Project End Date:</u> September 2017	Environmental Compliance: NEPA Completed: Yes[] No[] N/A[X] Projected Completion Date: <u>September 2017</u> State Historic Preservation Office - Archaeological Clearance: (Provide Attachment) Yes[] No[] N/A[X] Projected Completion Date: _____ Arizona Game and Fish Department EA Checklist: N/A[X] To be Completed by: _____ Projected Completion Date: _____
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PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$ 68,000
Cost Share or Matching Funds:	\$ 30,000
Total Project Costs:	\$ 98,000

PARTICIPANT INFORMATION		
Applicant (please print): Arizona Elk Society	Address: 7558 W. Thunderbird Rd. Ste. 1-465 Peoria, AZ. 85381	E-mail: stevec@arizonaelksociety.org
Telephone: 602-492-5319		Date: 8/31/2016
AGFD Contact and Phone No. (If applicant is not AGFD personnel): Nate Ragan, Unit 9 WM		
Project has been coordinated with: AES, Kiabab National Forest, Jake Rodgers (Grand Canyon Ranch foreman)		

NEED STATEMENT – PROBLEM ANALYSIS:

In 2012 Joe Auza cleaned out 11 tanks on the Bucklar allotment in Unit 9. The tanks have not held water since. In 2016 the AES contractor and ranch foreman surveyed the tanks and determined that the previous rancher had cut the bottoms, removed the clay base and exposed bedrock, allowing the tanks to drain and not hold water.

The six tanks slated for cleaning are in an area that has seen growth of the numbers of elk due to the rotation of new cattle that have cleaned up old forage that has promoted new grass growth that has attracted more elk.

PROJECT OBJECTIVES:

We plan to remove silt, restore the clay base – or use bentonite, to reseal the 11 tanks and remove silt from 6 tanks identified by Jake Rodgers, ranch foreman.

PROJECT DESCRIPTION AND STRATEGIES:

(How will you implement project)

With a loader and excavator salvage clay from other tanks in the area, use clay onsite if still viable or bentonite the tanks after replacing material to cover the bedrock. This will be done on the 11 tanks that have been damaged. In addition use the equipment to clean out 6 tanks identified by the rancher in areas that have a high density of elk.

PROJECT LOCATION

(Please provide lat/long of project area and datum. If project is larger than one point, please add multiple lat/long points or an existing shapefile of the project area)

Tanks	Coordinates
Gregg's	N 35° 52.326 , W 112° 01.933 70 X 50 Bedrock Exposed
Owl	N 35° 51.881 , W 112° 05.443 50" X 60' Exposed Bedrock
Government	N 35° 49.775, W 112° 01.676 70 X 50 Exposed Bedrock
Babbitt	N 35° 49.887, W 111° 59.409 120 X 60 Exposed Bedrock
Old Hiben	N 35° 53.461, W 111° 48.951 30 X 60 on Bedrock, needs sealed, needs

	material
Upper Cabin	N 35° 53.174, W 111° 46.918 70 X 30 Exposed Bedrock, so so material onsite
Lower Cabin	N 35° 53.016, W 111° 46.537 150 X 40 Exposed Bedrock Shelf, needs material
Woodbridge	N 35° 52.813, W 111° 47.994 80 X 80 Exposed Bedrock, Spillway need repair. Hard to get to.
Antelope	N 35° 49.895, W 111° 56.697 100 X 50 has material onsite
Upper Dillman	N 35° 49.001, W 112° 00.568 80 X 50 Bedrock Exposed
Lower Dillman	N 35° 48.584, W 112° 01.403 80 X 50 Needs Sealed

In addition the ranch has identified other tanks that could be cleaned and will be surveyed for work and elk densities to make sure there is a high benefit for wildlife. These tanks will be in the basin area of Unit 9.

- 77 Bar Tank
- Badger Tank
- Bentonite Tank
- Deer wash Tank
- Jackman Tank
- Armstrong Tank

LAND OWNERSHIP AT THE PROJECT SITE(S):

(If the project area is private property, please state specifically and provide the landowner's name)

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USFS Kaibab National Forest

*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:

The area is primarily grassland/pines with encroachment of junipers into the grassland.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

The SBGLTF funds will be used to fix the tanks by a contractor.

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

USFS time, Fuel supplied by Grand Canyon Ranch, Ranch Foreman time, AES time

Previous work that was done by Auza was partially paid by the AES.

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:
AZGFD, USFS, AES, Grand Canyon Ranch**

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

YES NO N/A

By increasing reliable water in this area of Unit 9 this project will help disburse elk and other wildlife.

PROJECT MONITORING PLAN:

Grand Canyon Ranch Foreman Jake Rodgers, the contractor and the AES will visit these tanks yearly to make sure they have been repaired and are holding water. Obviously the area will need rain and monsoon activity to fill the tanks.

PROJECT MAINTENANCE:

If maintenance for work done is needed the AES will work with the ranch to provide the funds and labor necessary to maintain these tanks.

PROJECT COMPLETION REPORT TO BE FILED BY:

Arizona Elk Society, Stephen Clark, Executive Director

WATER DEVELOPMENT PROJECTS (please use the worksheet below):

TREE CLEARING/REMOVAL PROJECTS (please use the worksheet below):

ATTACHMENTS:

(Please provide cultural clearance documentation from land management agency, e.g., FONSI, Inventory Standards, etc. Also attach any project pictures)

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?”**
- 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):
Ownership of water source:
Distance in miles from project:
- 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: _____ 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.**
- 10) **Was a site visit completed? Yes No**
If Yes, please list personnel that attended and date.

ARIZONA GAME AND FISH DEPARTMENT **TREE CLEARING/REMOVAL WORKSHEET**

PROJECT TITLE: _____

- 1) **What is the estimated acreage of the project?**

- 2) **How are the trees going to be cleared? (agra axe, chain saw, grubbing, push, chaining):**

- 3) **What is the estimated number of trees per acre?**

- 4) **Describe trees to be cleared (species, estimated diameter, single stem, multi-stem):**

- 5) **Describe terrain (slope, soil type, rocks)**

- 6) **Please list any special land management status for the project site (e.g. Wilderness, National Park, National Monument). If private land, list landowner.**

- 7) **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: Approx. hiking time:

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

Is the site relatively accessible for tree removal equipment? YES NO

Please describe any restrictions to public access:

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.state.az.us/ClassComp/CC_Job_Titles_with_Ranges.asp

\$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				