

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

Game Branch / HPC Project Number: 14-308

**PROJECT INFORMATION**

**Project Title:** White Rock Drinker Project on the Fort Rock Ranch

**Region and Game Management Unit:** Region III/Unit 18A

**Local Habitat Partnership Committee (LHPC):**

- Prescott

**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:** Restore wildlife/cattle drinker by converting existing well to a solar powered system.

**Brief Project Summary:** Many areas within Game Management Unit 18A lack perennial water sources and receive limited wildlife use as a result. This project will convert existing non-functional well to functioning solar powered storage system and drinkers.

**Big Game Wildlife Species to Benefit:** Mule deer, elk, javelina

**Implementation Schedule** (Month/Day/Year):

Project Start Date: Spring 2015 (weather dependent)

Project End Date: Spring 2015 (weather dependent)

**Environmental Compliance:**

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

Projected Completion Date: \_\_\_\_\_

State Historic Preservation Office - Archaeological Clearance:

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

Projected Completion Date: \_\_\_\_\_

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

To be Completed by: Wildlife Manager Jesse Baker

Projected Completion Date: March, 2015

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:**

\$ 5,500

**Cost Share or Matching Funds:**

\$ 5,500

**Total Project Costs:**

\$ 11,000

**PARTICIPANT INFORMATION**

**Applicant** (please print):

Jesse D. Baker, Wildlife  
Manager I, Bagdad

**Address:** Arizona Game and Fish

Dept., Region III  
5325 N. Stockton Hill Rd.  
Kingman, AZ 86401

**E-mail:**

JBaker@azgfd.gov

**Telephone:** 480-216-7892

**Date:** September 4, 2014

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

**Project has been coordinated with:**

Don Glasgow general manager of the Fort Rock Ranch; Al Eiden AZGFD Landowner Relations

**NEED STATEMENT – PROBLEM ANALYSIS:**

In Arizona, dry conditions and lack of available water often poses a significant bottleneck for big game and other wildlife species by making large blocks of habitat mostly unusable. For nearly two decades Arizona has experienced a period of drought conditions with several consecutive years that were the driest on record. Compounding the problems from lack of adequate permanent water is the stress put on habitat surrounding the remaining available water sources. Vegetation in these areas can become degraded from use by concentrated cattle and wildlife. If repeated over a broad area, these circumstances may contribute to low survival of juveniles and to adult animals being in poor condition entering the breeding season, ultimately resulting in low recruitment rates for these populations.

Game Management Unit 18A offers significant hunting opportunity for mule deer, elk, and javelina. Much of this area provides high quality habitat for these animals except that it frequently lacks consistent water availability. Over the years, the Fort Rock Ranch has constructed many drinkers throughout this area for its livestock. Wildlife, of course, use these waters when available.

This project proposes to restore a wildlife drinker at a location with existing storage tanks and equipment. Using a self-contained float system, the drinker will provide a permanent water source.

**PROJECT OBJECTIVES:**

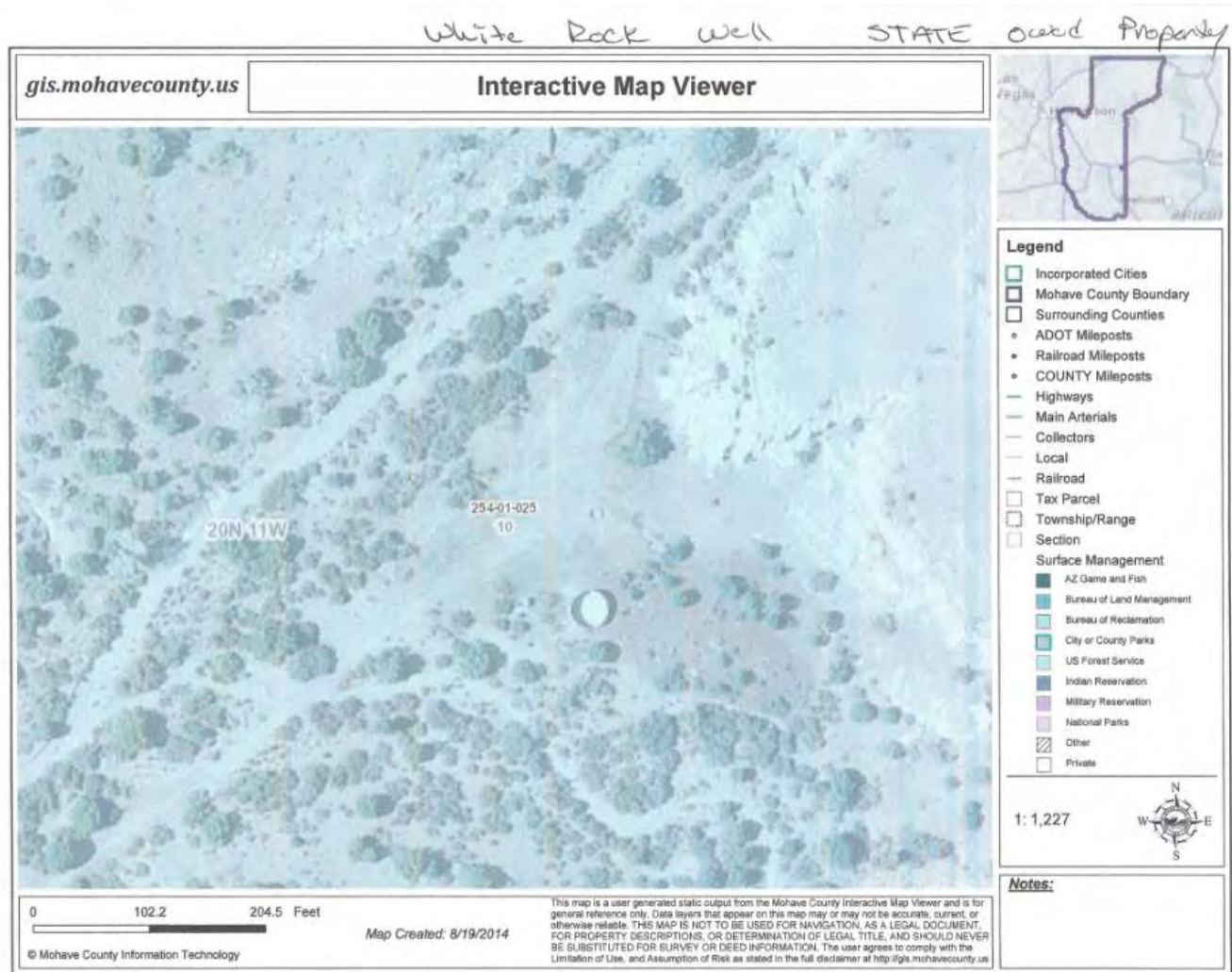
- Provide reliable permanent water sources for wildlife.
- Reduce concentrations of wildlife around the current permanent waters, which can lead to habitat degradation and increased fawn predation.
- Increase mule deer fawn survival.

**PROJECT DESCRIPTION AND STRATEGIES:**

- Coordinate with Fort Rock Ranch
- Develop construction plan
- Restore drinker and convert well to solar energy.

**PROJECT LOCATION:**

Drinker Name	GMU	Land Status	Location (NAD 83) With Elevation	UTM
WHITE ROCK	18A	STATE TRUST	N 35 07.833, W 113 25.458 4,812	12 S 0279108 3890212



#### LAND OWNERSHIP AT THE PROJECT SITE(S):

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

- State Trust Land

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[] NO[X] N/A[]

(Pending)

#### HABITAT DESCRIPTION:

The project area is located on the Fort Rock Ranch. Elevation is at approximately 4,812 feet above sea level. The area is composed of a mix of interior chaparral dominated by grama grasses and pinyon-juniper interspersed with cliffrose and other browse species. Landforms include rolling hills and small plateaus.

#### ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

\$5,500 of Special Big Game License Tag Funds (mule deer and elk) will be used in conjunction with the \$5,500 dollars provided by Maughan Ranches to convert the existing well to a solar powered system.

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

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

**Arizona Game & Fish Department:**

- Region III Wildlife Manager: provide project planning, coordination, implementation, construction oversight and project completion report.

**Fort Rock Ranch:**

- Allow use of existing water delivery system and maintain this system.
- Provide existing equipment and tanks
- Assist with field coordination and access.
- Provide construction crew for project installation

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

YES[X] NO[] N/A[]

**PROJECT MONITORING PLAN:**

District Wildlife Manager and Ranch personnel will periodically visit the individual drinker after the work has been completed and evaluate performance and determine if any maintenance is needed.

**PROJECT MAINTENANCE:**

Periodically clean trough and examine plumbing/float assembly.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Jesse Baker, Wildlife Manager I for the Arizona Game and Fish Department.

**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:** White Rock Drinker on the Fort Rock Ranch

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”** N/A
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Al Eiden AZGFD Landowner Relations (August 2014)
- 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: Stock Tanks (B Flat tank, Basin Tank, Three Sisters tank, and Penitentiary tanks).  
Type of water source (catchment, spring, dirt tank): Dirt Tanks  
Ownership of water source: Largely Private  
Distance in miles from project: Approximately 3 miles from B Flat tank, Basin Tank, Three Sisters tank, and Penitentiary Tanks.

- 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.**  
State Trust

- 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: Locked gates on private land.

- 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.

Don Glasgow (General Manager Maughan Ranches and Zane Gray Cattle Co.), Matt Johnson (Fort Rock Ranch Foreman), Wildlife Manager III Scott Poppenberger, and Wildlife Manager I Jesse Baker. The site visit was completed on 8/18/14.