

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

Game Branch / HPC Project Number:	12-201
-----------------------------------	--------

PROJECT INFORMATION

Project Title: Region II Wildlife Drinker Maintenance and Operation, 2013-2014	
Region and Game Management Unit: Reg. II, GMU's 5,6,7,8,9	
Local Habitat Partnership Committee (LHPC): • Williams/Flagstaff	Was the project presented to the LHPC? YES[X] NO[]
Has this project been submitted in previous years? YES[X] NO[] If Yes, was it funded? YES[X] NO[] → Funded HPC Project #(s): 08-205, 10-214	
Project Type: Maintenance and Operation of Water Developments	
Brief Project Summary: Fund the annual operation and maintenance of Numerous Region II Wildlife Drinkers for 2 years (2013-2014)	
Big Game Wildlife Species to Benefit: All Miscellaneous Region II Game and Non-Game Species	

Implementation Schedule (Month/Day/Year): <u>Project Start Date:</u> Spring 2013 <u>Project End Date:</u> Fall 2014	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: _____ Projected Completion Date: _____
------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$3500.00 per year, \$7000.00 Total
Cost Share or Matching Funds:	\$14,140.00 year, \$28,280.00 Total
Total Project Costs:	\$ 35,280.00

PARTICIPANT INFORMATION

Applicant (please print): Tom Mackin	Address: 1081 W. Ardrey Circle, Flagstaff, AZ 86001	E-mail: tmmackin@q.com
Telephone: 928-779-9127		Date: Aug. 15,2012

AGFD Contact and Phone No. (If applicant is not AGFD personnel): Larry Phoenix, 928-774-5045
Project has been coordinated with: AGFD, Kaibab National Forest, Coconino National Forest

NEED STATEMENT – PROBLEM ANALYSIS: : Over the past several decades there has been numerous wildlife drinkers built throughout the southern portion of Region II, an area that provides excellent summer and winter habitat for a wide variety of game and non-game species, except for a dependable source of water. While there are numerous earthen tanks and some natural depressions, there is no dependable supply of water throughout the hundreds of square miles under discussion. Maintenance on these developments, which may total between 100 and 150, has been provided by volunteers, Wildlife Managers and Development crews, but only on a very informal basis. Coordination and communication has improved in recent years since these activities have been increasingly important. Because water availability is a key component to wildlife carrying capacity, a more dependable method to maintain these developments is necessary to provide optimum conditions. This will become increasingly important as these developments continue to age and the forest and climatic conditions continue to provide less available water. The prior projects have received numerous accolades from all agencies involved as the activities were carried out in a timely, cost efficient and professional manner by the two primary volunteers.

PROJECT OBJECTIVES: Our objective is to once again provide a dependable water supply for multiple wildlife species on approximately 500 square miles of critical wildlife range through the continuing operation and maintenance of these various existing developments. Making use of existing developments would reduce replacement costs, minimize the need for expensive compliance analysis and insure the availability of adequate water supplies.

PROJECT DESCRIPTION AND STRATEGIES: With a team of dedicated volunteers provided by the Coconino Sportsmen and other NGO's, working under the direction of the various GMU Wildlife Managers and other Region II supervisors, a detailed plan will be developed to maintain all AGFD drinkers found throughout the listed GMU's. Additional drinkers developed by the USFS may also be included in this plan when deemed in the best interest of the Department. Already in place from previous projects, is an inventory of existing developments, including specific location, current condition, importance to overall objectives and feasibility for continued operation. Data was collected from various sources, including existing Department inventories, WM's knowledge, USFS databases and other field observations. During earlier projects, additional consultation was conducted with the Development Branch when the overall condition of a particular site warranted repairs or replacement beyond the scope of this project. As in the past, maintenance will be limited to minor fence, apron, catchment and drinker repairs or replacement, generally not to exceed \$500 per site per year. Major repairs or redesign will be referred to the Development Branch. Wildlife Managers and other Department personnel will provide volunteers with a priority list based on overall project objectives, other available sources of water and other applicable criteria. It is estimated that volunteers may spend approximately 800-1200 hours annually providing these services with an average of over 500 hours in the field per year per volunteer. Water hauling by the volunteers to critical locations identified by Department personnel would be included in these tasks utilizing Department equipment available under the Department Volunteer program.

PROJECT LOCATION: All locations will be within AGFD Region II, primarily south of the Grand Canyon, including GMU's 5 through 9 with most activities occurring in GMU's 7 and 9.

LAND OWNERSHIP AT THE PROJECT SITE(S):

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

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or
LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*
YES[] NO[] N/A[]

The land ownership is USFS, Coconino and Kaibab National Forests

HABITAT DESCRIPTION: The habitat ranges in elevation from approximately 4000' up to approximately 9000'. This elevation range includes pinyon juniper woodlands, open grasslands, mixed conifers, primarily ponderosa pine, oaks and other typical Colorado Plateau habitat types.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds: Funds will be utilized to pay for necessary plumbing supplies including pipe(s), valves, floats, adhesives and other consumables. Every activity will be planned to maximize fuel efficiencies and volunteer availability. Additional funding for miscellaneous hardware, such as screws, T-Posts, clips, fence stays and other necessary items may be included in this project or supplied by other agencies when available.

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below):
Volunteers will not receive a salary for their efforts but their labor will be counted towards Cost Share at \$14.14/per hour for an average of 500 hours per year for a total of \$7070 per volunteer, with generally two volunteers providing most labor.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION: The members of the Coconino Sportsmen and other volunteers will provide all primary labor for this project. The USFS may provide some materials, site reviews and coordination. Other assistance may come from individuals with some of the "partner groups" and AGFD personnel.

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

YES[] NO[] N/A[x]

PROJECT MONITORING PLAN: Reports from AGFD, USFS, and other interested personnel will assist in monitoring activities. Volunteers will plan to visit each inventoried site at least once each year.

PROJECT MAINTENANCE: The project is an ongoing activity type to include all maintenance and operation, with variables based on weather, location, and need. Additional enhancements beyond the scope of this project will be handled via separate project submissions.

PROJECT COMPLETION REPORT TO BE FILED BY: At the end of each work season, a written report including maps and available photos will be submitted to the Department by the Coconino Sportsmen outlining the activities, man hours and mileage as well as a written invoice to cover expenses incurred. Additional verbal reports will be provided at the LHPC meetings and the semi-annual State HPC meetings. Activity reports will be submitted to Region II Supervisors, Development Branch and appropriate WM's following each day of activities.

WATER DEVELOPMENT PROJECTS (*please use the worksheet below*): **None**

TREE CLEARING/REMOVAL PROJECTS (*please use the worksheet below*): **None**

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.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				