

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

Game Branch / HPC Project Number:	15-205
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PROJECT INFORMATION

Project Title: 2016 – Hobble #4436 WLC Redevelopment

Region and Game Management Unit: FOR2/Game Management Unit 13B

Local Habitat Partnership Committee (LHPC): <ul style="list-style-type: none"> • Arizona Strip Habitat Working Group 	Was the project presented to the LHPC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
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Has this project been submitted in previous years? YES NO
If Yes, was it funded? YES NO → **Funded HPC Project #(s):**

Project Type: Water Catchment Redevelopment

Brief Project Summary: Improve the water collection, storage capabilities, and lifespan of the Hobble Wildlife Catchment in central 13B. The catchment did not catch water due to the apron being blown away 8/29/14. In July 11th 2015, AZGFD Wildlife Manager Tim Shurtliff and guides Tory Brock and Larry Bundy have pieced back together the apron so it will catch portions of water. Even though this catchment catches some water, this was a temporary fix to try to keep water in the holding tank. The redevelopment of this catchment is the top priority for the 13B Wildlife Manager and one of the top priorities for the Arizona Strip Habitat Working Group. This project will involve redeveloping the existing dilapidated catchment with new materials. New r-panel type roofing panels will replace the remaining apron at the site. These panels will be fastened to a new metal frame. Four 2500 gallon polyethylene storage tanks will replace the existing tank, and a new 4' polyethylene walk in style trough will replace the existing drinker. A metal pipe-rail fence will replace the existing broken barbed wire fence. The redevelopment of this water is necessary to meet AZGFD statewide strategic goals, water development implementation plans, Arizona Strip Mule Deer Plan objectives, and BLM objectives for management of mule deer and wildlife habitat.

Big Game Wildlife Species to Benefit: Mule Deer

Implementation Schedule (Month/Day/Year): <u>Project Start Date:</u> April 1, 2016 <u>Project End Date:</u> April 1, 2017	Environmental Compliance: NEPA Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Projected Completion Date: DNA-AZ-130-2006-0002 State Historic Preservation Office - Archaeological Clearance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Projected Completion Date: _____ Arizona Game and Fish Department EA Checklist: N/A <input type="checkbox"/> Complete _____ Projected Completion Date: _____
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PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$ 30,920.00
Cost Share or Matching Funds:	
PR Bubble Funds State Funds (construction)	\$ 30,000.00
BLM NEPA Clearance and Archeological Clearance	\$ 25,000.00
Total Project Costs:	\$ 85,920.00

PARTICIPANT INFORMATION		
Applicant (please print): Tim Shurtliff	Address: 3500 S. lake Mary Road Flagstaff, AZ 86001	E-mail: TShurtliff@azgfd.gov
Telephone: 928-358-3843		Date: August 19, 2015
AGFD Contact and Phone No. (If applicant is not AGFD personnel):		
Project has been coordinated with: Joseph Currie/Ed Jahrke – Development Branch Arizona Strip BLM		

NEED STATEMENT – PROBLEM ANALYSIS:

Hobble #4436 wildlife catchment is located Just North of Upper Jump up Canyon in central 13B. The wildlife catchment is a steel tank style, with limited storage capacity. The apron is secured to the ground via Screws into a wooden base that sits on the ground. The wooden boards on the ground were burned a couple of years ago due to a fire and recently the apron has completely blown away (view photo below). On July 11th, 2015 Wildlife Manager Tim Shurtliff, guides Tory Brock and Larry Bundy pieced together the apron that had blown away. This was a temporary fix only to try to catch some of the rainfall in July and August. The existing barb wire fence has been fixed several times by the Wildlife Manager and will continue to be a maintenance issue if not fixed or replaced by a pipe rail fence. On March 24, 2014 cows were accessing this water due to fence failure. The Wildlife Manager fixed the failing fence in multiple places temporarily. The metal fence requires continual maintenance and is in jeopardy of failing.

The existing state of this catchment has created a maintenance burden for the Department. As the catchment continues to deteriorate water hauling and general maintenance will increase. It is hoped that redeveloping this catchment prior to complete failure will reduce overall cost to the Department and its constituents, and will ensure that the facility continues to provide a reliable water source for wildlife in the area.

Photo of Catchment 2014



(Photo of the apron gone, if you look close the apron is rolled up against the tree)

Photo taken August 29th, 2014



ABOVE

(Photo taken March 24, 2014 before apron blew away)



ABOVE

Photo taken after apron was pieced back together July 11, 2015

PROJECT OBJECTIVES:

1. Improve water availability and distribution for wildlife, in particular mule deer.
2. Improve habitat use and distribution of wildlife species by providing an additional reliable water source in the area.
3. Decrease maintenance needs by increasing capacity, replacing barbwire fence with pipe rail, replacing existing apron and removing mechanical components from system.
4. Continue the task through the Statewide Water Development Implementation schedule, and the regional wildlife water priority of redeveloping wildlife water catchments in 13B that have failed or are in disrepair because of their age.
5. Make progress in meeting the following BLM Desired Future Condition objectives for mule deer habitat as outlined in the recently signed BLM RMP documents:

MA-WF-09 Existing water developments will be modified to ensure wildlife have safe access to water. Existing water developments will be maintained to ensure reliability of the water. Maintenance of existing waters will generally take priority over new construction. Development of cooperative waters for livestock and wildlife will be encouraged where doing so will benefit wildlife, will be consistent with achieving DFCs, and will be economically efficient.

DFC-WF-18 Water sources within mule deer habitat will be safely accessible to deer and other wildlife.

DFC-WF-19 On BLM-administered lands, water sources within mule deer habitat will be spaced no more than 3 miles apart.

6. Move forward in Meeting objectives of the Arizona Strip Mule Deer Management Plan.

PROJECT DESCRIPTION AND STRATEGIES:

1. Install a 4 polyethylene water tanks with the total capacity of approximately 10000 gallons.
2. Construct a 24' x 72' r-panel metal apron over tank, attached to metal framework.
3. Install a 4' polyethylene walk in trough to replace the existing ground level drinker.
4. Replace existing plumbing components.
5. Replace barbed wire fence with 200' x 200' metal pipe-rail.

PROJECT LOCATION:

Hobble #4436 GPS Location: 36° 37.057' 113° 39.798'

HABITAT DESCRIPTION:

Plant community representative of Pinyon Juniper woodland. Vegetative species include Utah juniper cliffrose, algerita, sagebrush, and various grass species.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

ESTIMATED PROJECT COST SHEET

2016 –Hobble #4436 WLC Redevelopment

	Grant Dollars Requested – Special Tag	Cost Share Dollars – Arizona Strip BLM and State Funds
24x72 r-panel apron package – Includes r-panel roofing, metal studs, gutter and associated hardware (concrete, support steel etc.)	\$7,500.00	
4 polyethylene water storage tanks, 2500 gallons each.	\$13,400.00	
4' Polyethylene Walk-in trough	\$4,500.00	
Plumbing Materials	\$1,000.00	
200' x 200' Pipe rail Fence	\$4,520.00	
PR Bubble Funds State Funds (construction)		\$30,000.00
BLM NEPA Clearance and Archeological Clearance		\$25,000.00
Totals	\$30,920.00	\$55,000.00

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Deer Association: Provide project funding as well as on the ground help during redevelopment activities.

Arizona Strip BLM: NEPA compliance has been completed through the BLM document: DNA-AZ-130-2006-0002

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

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

History has shown that during travel management planning of the land management agencies, roads that have historic use and provide access to wildlife facilities receive priority in remaining open to the public.

PROJECT MONITORING PLAN:

After completion of this project, this wildlife catchment will continue to be monitored as part of the Region II/GMU 13B water development protocol. This protocol outlines facility inspection schedules, as well as maintenance schedules if needed. It is anticipated that this wildlife catchment will be inspected at least twice each year.

PROJECT MAINTENANCE:

This project will be maintained by the Arizona Game and Fish Department's development crew. As outlined in the project narrative, long term maintenance needs are expected to be minimal. All maintenance and access needs will be closely coordinated with the Arizona Strip BLM office.

PROJECT COMPLETION REPORT TO BE FILED BY:

Tim Shurtliff –13B Wildlife Manager

WATER DEVELOPMENT PROJECTS (*please use the worksheet below*):

See below.

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

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT TITLE: 2016 – Hobble #4436 WLC Redevelopment

1) Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”

Yes. This project is a regional and local priority for redevelopment.

2) Please list the Development Branch personnel and date coordinated with for this project.

Joseph Currie – August 29, 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: Hobble Pond #4437 WLC

Type of water source (catchment, spring, dirt tank, etc.): Catchment

Ownership of water source: BLM

Distance in miles from project: 2.4

Name of water source: Hobble Mt #747 WLC

Type of water source (catchment, spring, dirt tank, etc.): Catchment

Ownership of water source: AZGFD

Distance in miles from project: 3.9

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.

Grand Canyon-Parashant National Monument (BLM)

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: None

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

24' x 72' r-panel apron package and steel frame
4 polyethylene water storage tanks, 2500 gallons each.
4' walk in style Polyethylene trough
200' x 200' Pipe rail Fence

10) Was a site visit completed? Yes[] No[X]

If Yes, please list personnel that attended and date.

A formal site visit with the ADA and development branch is pending, however development branch has been consulted with on this project and the Wildlife Manager for 13B and the Field supervisor has visited the site.