

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

<b>PROJECT INFORMATION</b>	
<b>Project Title:</b> 2011 – Wolf Hole #2 WLC Redevelopment	<b>Project No.</b> 10-209
<b>Region/GMU:</b> Region 2/GMU 13BN	<b>HPC:</b>
<b>Project Type:</b> Water Catchment Redevelopment	
<b>Project Description:</b> Improve the water collection, storage capabilities, and lifespan of the Wolf Hole Mountain #2 Wildlife Catchment in northern 13B. This project will involve redeveloping the existing dilapidated catchment with new materials. New r-panel type roofing panels will replace the current metal sheeting at the site. These panels will be fastened to a new metal frame. A 3' x 18' fiberglass storage tank will replace the existing concrete tank, and a new 3' 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, and BLM objectives for management of mule deer and wildlife habitat.	
<b>Wildlife Species to Benefit:</b> Mule Deer	
<b>Possible Funding Partners:</b> ADA	
<b>Implementation Schedule:</b> Beginning: Spring 2011 Completed: Spring 2012	<b>NEPA Compliance:</b> (if applicable) Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Projected Completion Date: 2010 DOI-BLM-AZ-110-2009-003-EA
<b>PROJECT FUNDING</b>	
<b>SBG Funds Requested:</b> \$ 42,928.00	
<b>Cost Share Funds:</b> \$ 5000.00	
<b>Total Project Costs:</b> \$ 47,928.00	
<b>PARTICIPANT INFORMATION</b>	
<b>Applicant:</b> Luke Thompson (please print) <b>Telephone:</b> 435-574-2978	<b>Address:</b> 3500 S lake Mary Road Flagstaff, AZ 86001
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel)	
<b>Coordinated with:</b> Joseph Currie/Ed Jahrke – Development Branch Arizona Strip BLM	<b>Date:</b> Ongoing 2009- 2010
<b>Applicant's signature:</b>	<b>Date:</b> August 30, 2010

**SEND COMPLETED APPLICATIONS TO:**  
AZ Game and Fish Department  
Attn: Game Branch  
5000 W. Carefree Highway  
Phoenix, AZ 85086

[rgregory@azgfd.gov](mailto:rgregory@azgfd.gov)

**WAS PROJECT PRESENTED TO THE LOCAL HPC? YES \_\_\_\_\_ NO X**

The Fredonia HPC has not met in recent years, however, the ADA has been coordinated with on this project to complete site visits. It is anticipated that a site visit will occur in October 2010.

**HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?**

N/A

**NEED STATEMENT/PROBLEM ANALYSIS:**

Wolf Hole Mountain #2 wildlife catchment is located on Wolf hole Mountain in northern 13B. The wildlife catchment is a concrete vault style, with limited storage capacity. The apron is secured to the ground via metal rods that stretch across the apron. The concrete vault is failing and collapsing around its perimeter. The existing metal fence requires continual maintenance and is in jeopardy of failing. The current storage capacity is small and water hauling has occurred on numerous occasions in the past 5 years.

The existing state of this catchment has created a major 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.

In 2010 the BLM completed an environmental analysis for redevelopment of this catchment. Part of the stipulations of that EA state that an archeologist must be on scene during redevelopment activities to ensure that no archeological sites are damaged.

**Photo of Catchment 2009**



**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, 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 achievingDFCs, and will be economically efficient.

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

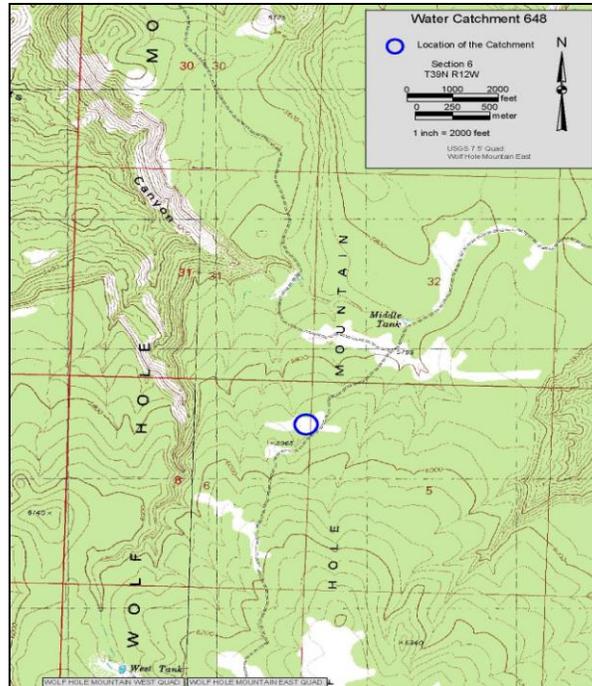
**DFC-WF-19** On BLM-administered lands, water sources within mule deer habitat will be spaced no more than 3 miles apart.

**PROJECT STRATEGIES:**

1. Install a 3'x18' fiberglass tank with capacity of approximately 7000 gallons.
2. Construct a 24' x 72' r-panel metal apron over tank, attached to metal framework.
3. Install a 3' walk in trough to replace the existing ground level drinker.
4. Replace existing plumbing components.
5. Replace barbed wire fence with metal pipe-rail.

**PROJECT LOCATION:**

**36° 48.945' 113° 36.990'**



**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner’s name):**

100% Federal managed by the Arizona Strip District Office of the Bureau of Land Management

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

N/A

**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:**

**ESTIMATED PROJECT COST SHEET**

2011 Wolf Hole #2 WLC Redevelopment

Costs Category- Equipment, Labor, Administrative, Material	Cost Share Dollars Available – AZGFD WCF Funding	Grant Dollars Requested – Special Tag
24x72 r-panel apron package – Includes r-panel roofing, metal studs, gutter and associated hardware		\$4677.70
3’x 18’ fiberglass ring tank trough and gutter		\$14039.22

Plumbing Materials		\$500.00
Associated concrete and miscellaneous hardware		\$750.00
200' x 200' Pipe rail Fence		\$2961.40
Contractor Labor		\$20,000.00
Archeological Monitor	\$5000.00	
<b>Totals</b>	<b>\$5000.00</b>	<b>\$42928.00</b>

**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: DOI-BLM-AZ-110-2009-003-EA

**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:**

Luke Thompson – Wildlife Manager GMU 13B.

**WATER DEVELOPMENT PROJECTS (see attached worksheet):**

See Below

## ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

**PROJECT NAME:** 2011 – Wolf Hole #2 WLC Redevelopment

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

Yes. In addition this water catchment is included on the regional prioritization list for wildlife catchments.

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

Joseph Currie – Ongoing 2010

**3) What are 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: 647 Wolf Hole #1 WLC

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

Ownership of water source: AZGFD

Distance in miles from project: 1.8

Name of water source: 1918 Wolf Hole #3 WLC

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

Ownership of water source: BLM

Distance in miles from project: 2.3

**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, etc). If private land, list landowner.**

None

**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: Approx. 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.**

24' x 72' r-panel apron package and steel frame
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3' x 18' fiberglass storage tank
3' walk in style Fiberglass trough
200' x 200' Pipe rail Fence

**10) Was a site visit completed?** \_\_ Yes X No

A formal site visit with the ADA, development branch and the local wildlife manager is pending, however development branch and the ADA have been consulted with on this project.