

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

Game Branch / HPC Project Number: 12-207

PROJECT INFORMATION

Project Title: Wolf Hole #1 WLC Redevelopment 2013

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

Local Habitat Partnership Committee (LHPC):

- Fredonia HPC

Was the project presented to the LHPC?

YES **NO** – The Fredonia HPC has not met in recent years.

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 Wolf Hole Mountain #1 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 20' 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, 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):

Project Start Date:

April 1, 2013

Project End Date:

April 1, 2014

Environmental Compliance:

NEPA Completed: **Yes** **No** **N/A**

Projected Completion Date: **DOI-BLM-AZ-110-2009-003-EA**

State Historic Preservation Office - Archaeological Clearance:

Yes **No** **N/A**

Projected Completion Date: _____

Arizona Game and Fish Department EA Checklist: **N/A**

Complete _____

Projected Completion Date: _____

PROJECT FUNDING

Special Big Game License Tag Funds Requested:

\$ 30,280.00

Cost Share or Matching Funds:

\$ (Potential for BLM Matching Funds but budget figures not available at time of writing grant)

Total Project Costs:

\$ 30,280.00

PARTICIPANT INFORMATION

Applicant (please print):

Luke Thompson

Address:

3500 S. lake Mary Road

E-mail:

LThompson@azgfd.gov

| | | |
|--|---------------------|------------------------------|
| Telephone: 928-856-0724 | Flagstaff, AZ 86001 | Date: August 18, 2012 |
| 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:

Wolf Hole Mountain #1 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 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.

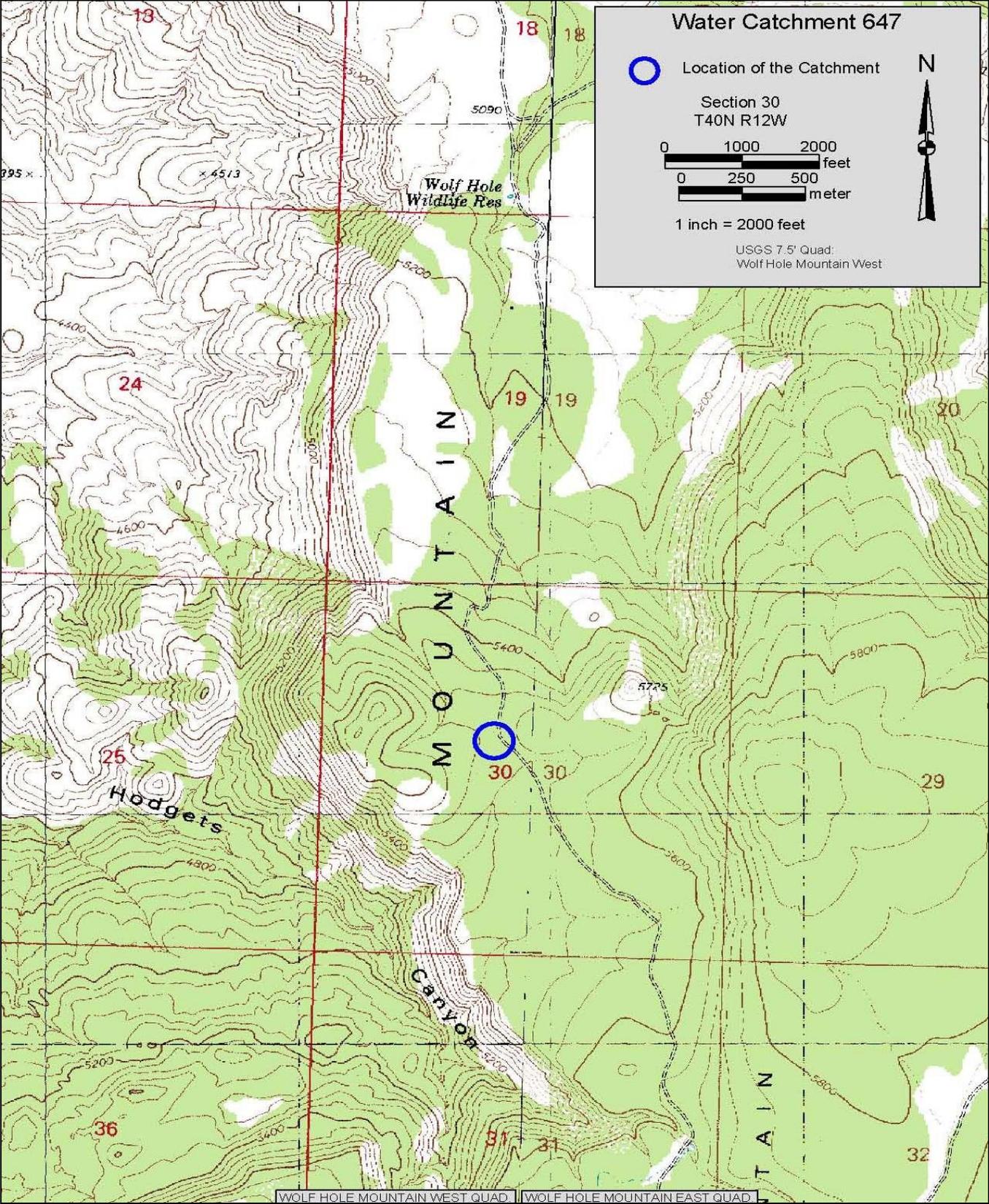
6. Move forward in Meeting objectives of the Arizona Strip Mule Deer Management Plan.

PROJECT DESCRIPTION AND STRATEGIES:

1. Install a 3' x 20' 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 200' x 200' metal pipe-rail.

PROJECT LOCATION:

Wolf Hole #1 GPS Location: 36° 50.494' 113° 37.603'



LAND OWNERSHIP AT THE PROJECT SITE(S):

(if the project area is private property, please state specifically and provide the landowner's name)
100% Federal managed by the Arizona Strip District Office of the Bureau of Land Management

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

Special Big Game License Tag Funds

ESTIMATED PROJECT COST SHEET

2013 – Wolf Hole #1 WLC Redevelopment

| Costs Category- Equipment, Labor, Administrative, Material | Grant Dollars Requested – Special Tag |
|--|--|
| 24x72 r-panel apron package – Includes r-panel roofing, metal studs, gutter and associated hardware (concrete, support steel etc.) | \$5824.10 |
| 3'x 20' fiberglass ring tank. | \$10650.00 |
| 3' Fiberglass Walk-in trough | \$3294.00 |
| Plumbing Materials | \$1000.00 |
| 200' x 200' Pipe rail Fence | \$4520.00 |
| Archeological Monitor | \$5000.00 |
| Totals | \$30280.00 |

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

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

YES 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:

Luke Thompson – Field Supervisor Arizona Strip

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: 2013 – Wolf Hole #1 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 – Ongoing 2010-2012.
- 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: 648 Wolf Hole #2 WLC
Type of water source (catchment, spring, dirt tank, etc.): Catchment
Ownership of water source: AZGFD
Distance in miles from project: 1.8
- 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.**
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: _____ 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 |
| 3' x 20' fiberglass storage tank |
| 3' walk in style Fiberglass 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, development branch and the local wildlife manager is pending, however development branch has been consulted with on this project.