

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

Game Branch / HPC Project Number:	14-202
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PROJECT INFORMATION

Project Title: 2015 – Snap Rim #9590 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: Snap Rim Catchment is a catchment found in Southern 13B just west of Snap draw. The apron on this catchment has collapsed in on itself because of its age and needs to be redeveloped. Redelivering this water will allow better water collection, increased storage capabilities and increase its lifespan. This project will consist of 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. Four 2500 gallon polyethylene storage tanks will replace the existing concrete 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, 2015 <u>Project End Date:</u> April 1, 2016	Environmental Compliance: NEPA Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Projected Completion Date: <u>DOI-BLM-AZ-A030-2012-0003-EA</u> 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:	\$ 35,920.00
Cost Share or Matching Funds:	\$ (Potential for BLM Matching Funds but budget figures not available at time of writing grant)
Total Project Costs:	\$ 35,920.00

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 14, 2014
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:

Snap Rim wildlife catchment is located on near Snap draw in the Southern portion of 13B. The wildlife catchment has a apron that is over the tank. The apron has completely colapsed on top of the tank itself. The ground around the apron has given way and no longer supports the apron. The entire system is old and needs to be replaced due to its functionality and age. The existing metal fence requires continual maintenance and is in jeopardy of failing. The current storage capacity needs to be increased and replaced. The apron right now is a potential threat to anything that visits the site weather human or animal.

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 2012 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 2013



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 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.

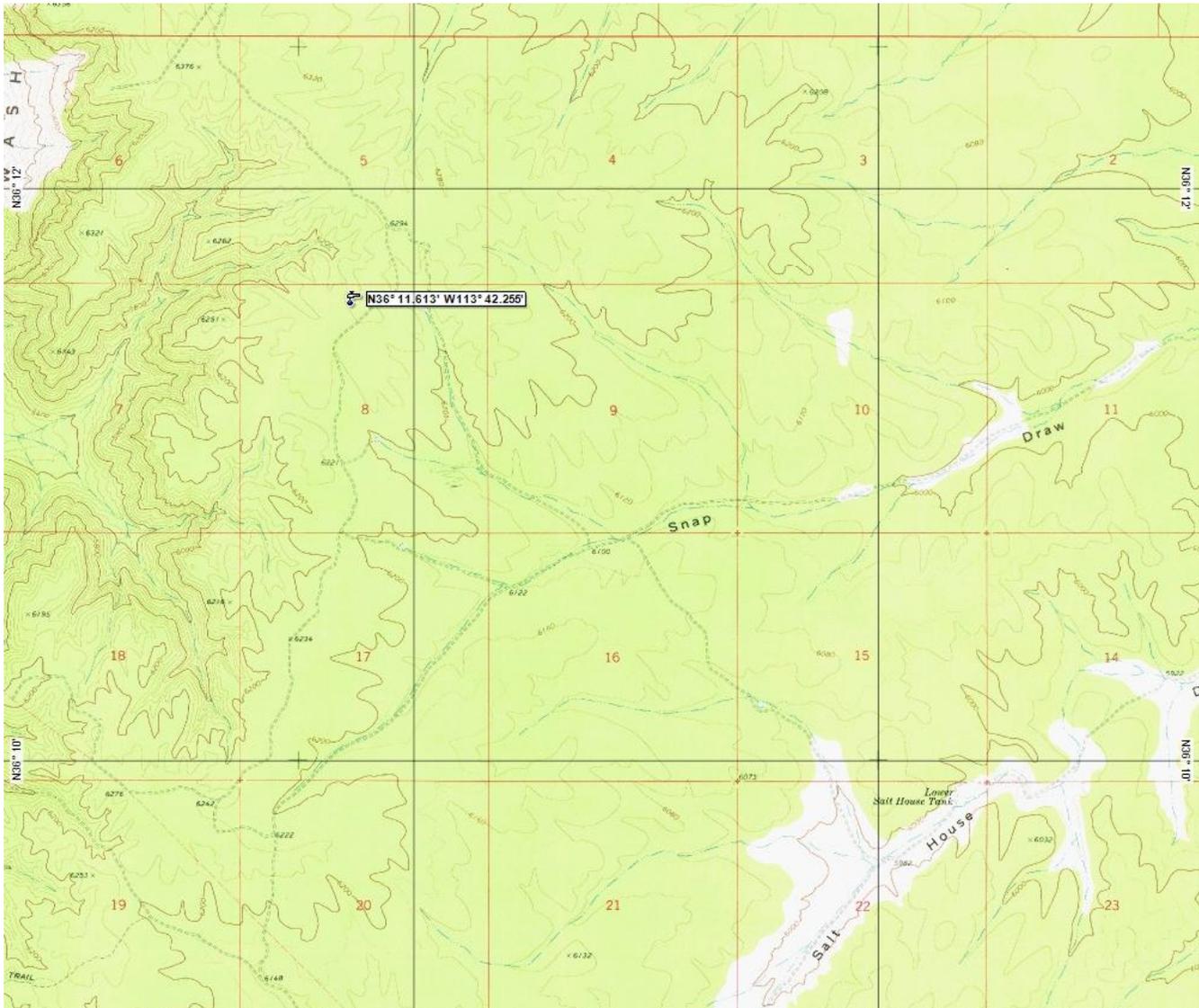
6. Move forward in Meeting objectives of the Arizona Strip Mule Deer Management Plan.

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:

Snap Rim #9590 GPS Location: 36° 11.613' 113° 42.255'



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:

The catchment is situated in a pinyon-juniper woodland at an elevation of 6,280 feet. Vegetation includes juniper, singleleaf pinyon pine, pointleaf manzanita, oak, cholla (*Cylindropuntia* sp.), big sagebrush, yucca (*Yucca* sp.), and cliffrose.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

ESTIMATED PROJECT COST SHEET
 2015 – Seegmiller Mountain #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.)	\$7500.00
4 polyethylene water storage tanks, 2500 gallons each.	\$13400.00
4' Polyethylene Walk-in trough	\$4500.00
Plumbing Materials	\$1000.00
200' x 200' Pipe rail Fence	\$4520.00
Archeological Monitor	\$5000.00
Totals	\$35920.00

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-A030-2012-0003-EA**

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: 2015 – Snap Rim #9590 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 14, 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: Sanup #905 WLC

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

Ownership of water source: AZGFD

Distance in miles from project: 3.8

- 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.**
Grand Canyon Parashant National Monument

- 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.