

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

| <b>PROJECT INFORMATION</b>   |  |
|--|--|
| <b>Project Title:</b> Pa's Pocket #816 Water Catchment Redevelopment   | <b>Project No.</b> 07-225  |
| <b>Region/GMU:</b> Region II, GMU 13A  | <b>HPC:</b> Fredonia HPC   |
| <b>Project Type:</b> Wildlife Water Catchment Redevelopment  |  |
| <b>Project Description:</b><br>This project will be a complete redevelopment of Pa's Pocket (#816) wildlife water catchment. The existing apron and wooden frame are deteriorating, collapsing and allowing the metal sheeting to blow off. Redevelopment will include upgraded apron materials and storage tanks as well as a new walk-in wildlife drinker and replacement of existing barbed wire fence with steel rail fences. This redevelopment will ensure a perennial source of water for mule deer and other wildlife utilizing this area of Game Management Unit 13A. |  |
| <b>Wildlife Species to Benefit:</b> Mule Deer  |  |
| <b>Possible Funding Partners:</b> Arizona Deer Association (Phoenix, Page & Littlefield Chapters), Arizona Mule Deer Foundation  |  |
| <b>Implementation Schedule:</b><br><b>Beginning:</b> ~Spring 2008<br><b>Completed:</b> ~Fall 2008  | <b>NEPA Compliance: (if applicable)</b><br><b>Completed:</b> Yes ___ No <u>X</u><br><b>Projected Completion Date:</b> Within 6 months – 1 year |
| <b>PROJECT FUNDING</b>   |  |
| <b>SBG Funds Requested:</b> \$66,700.00  |  |
| <b>Cost Share Funds:</b> \$6,557.00  |  |
| <b>Total Project Costs:</b> \$73,257.00  |  |
| <b>PARTICIPANT INFORMATION</b>   |  |
| <b>Applicant:</b> John Sims<br>(please print)<br><b>Telephone:</b> (435) 644-3794  | <b>Address:</b><br>3500 S. Lake Mary Road<br>Flagstaff, AZ 86001   |
| <b>AGFD Contact and Phone No.</b><br>(If applicant is not AGFD personnel)  |  |
| <b>Coordinated with:</b> Joe Currie  | <b>Date:</b> August 20, 2007   |
| <b>Applicant's signature:</b>  | <b>Date:</b>   |

**SEND COMPLETED APPLICATIONS TO:**  
 Game Branch  
 2221 W. Greenway Rd.

Phoenix, AZ 85023  
mdisney@azgfd.gov

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

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

This project has not been submitted in previous years.

NEED STATEMENT/PROBLEM ANALYSIS:



The Arizona Game and Fish Department constructed Pa's Pocket (#816) in 1977 with a storage capacity of 5,000 gallons. This water catchment is located in very good mule deer habitat and is used extensively during summer months. This water serves as a dependable perennial water source for both mule deer and other wildlife utilizing this area of GMU 13A. Presently, the wooden frame under the metal apron is in poor condition, is collapsing and ultimately allowing the metal apron to pull loose. This catchment is on the verge of failure. As documented in the above photograph dated 5/18/2003, each rock on the apron seen in this photograph was placed there to hold down and keep the metal sheeting in place. Each visit to this catchment requires repair work and the addition of new rocks to hold the apron in place. This catchment has deteriorated substantially since the date of this photograph. Due to the extremely remote location of this catchment and its location within the Mt. Logan Wilderness all water hauling, if necessary, would be done so via the use of a helicopter. The cultural clearance for this water has been completed and NEPA work has been contracted and completion is anticipated within 6 months to 1 year.

**This catchment should be redeveloped to prevent failure and to continue to provide a very valuable and dependable perennial source of water for mule deer.**

**PROJECT OBJECTIVES:**

- **Increase storage capacity from 5,000 gallons to 10,000 gallons**
- **Increase life expectancy of this catchment by a minimum of 20 years.**
- **Increase dependability of this water catchment**
- **Decrease or eliminate potential water hauling requirements to this development**

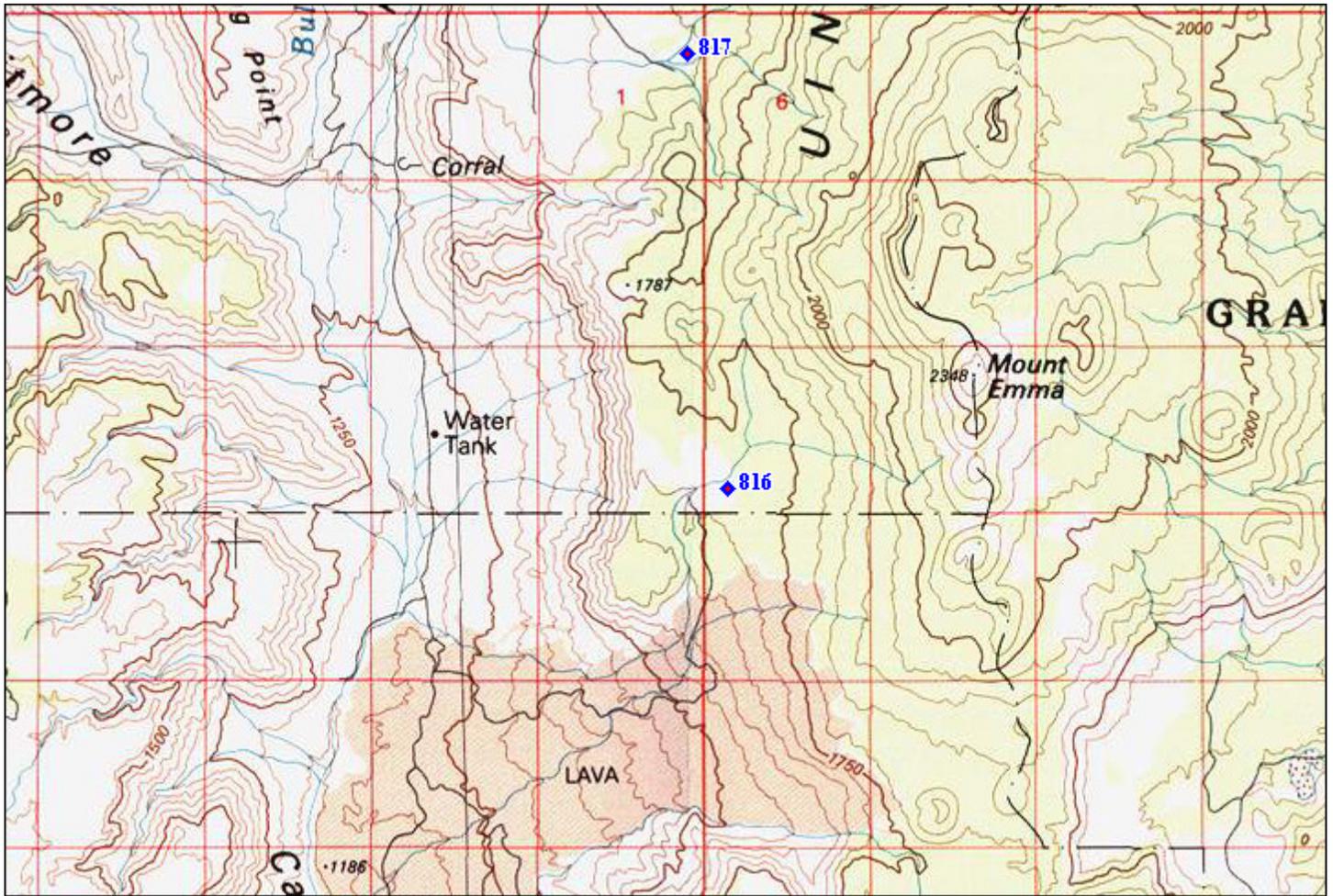
**PROJECT STRATEGIES:**

**Utilize Big Game Special Tag Funds and the services of a private contractor to redevelop this catchment. Redevelopment of this facility would include the following:**

- 1. Purchase and install new apron packages (24'X72') using metal studs and R-paneling.**
- 2. Replace existing 5,000 gallon metal storage tank with two 3'X16' fiberglass storage tanks.**
- 3. Replace existing metal drinker with a 3' fiberglass walk-in drinker.**
- 4. Replace existing barbed wire fence with new 150'X150' steel pipe fence.**
- 5. Purchase and install miscellaneous plumbing materials to plumb storage tank and drinker.**

**PROJECT LOCATION:**

**Game Management Unit 13A  
Mohave County, AZ  
N36 15.277', W113 11.861'**



TN / MN  
12½°

Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

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

**This project is located 100% on public land administered by the Bureau of Land Management, AZ Strip Field Office.**

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

N/A

**HABITAT DESCRIPTION:**

**Vegetation at the project site consists of mixed pinyon/juniper, big sagebrush, cliffrose and various forbs and grasses. This catchment is located approximately 5600' ASL.**

**ITEMIZED USE OF FUNDS:**

**ESTIMATED PROJECT COST SHEET**

| <b>Costs Category – Equipment, Labor, Materials, etc.</b> | <b>Grant Dollars Requested – Special Tag Funds</b> | <b>Wildlife Conservation Funds</b> |
|---|--|------------------------------------|
| 24’X72’ metal Stud and R-panel apron                      | \$6,100.00   |                                    |
| Fiberglass 3’X4’’ wildlife drinker                        | \$4,000.00   |                                    |
| 2 Fiberglass 3’X16’ diam. Storage tank                    | \$8,600.00   |                                    |
| Steel Pipe fence 150’X150’                                | \$2,000.00   |                                    |
| Misc. plumbing supplies                                   | \$1,000.00   |                                    |
| Helicopter and fuel truck cost                            | \$20,000.00  |                                    |
| Contractor Services \$ 25000.00 ea. (X 8)                 | \$25,000.00  |                                    |
| EA Documentation – Use of Contactor 3723.63 ea. (X 8)     |  | \$6,557.00                         |
| <b>Totals</b>   | <b>\$66,700.00</b>                                 | <b>\$6,557.00</b>                  |

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

**Arizona Game and Fish Department**

- Personnel with the Arizona Game and Fish Department will request funding, provide project coordination, and disperse funds to private contractor.

**Private Contractor**

- Complete redevelopment of Pa’s Pocket #816 water catchments

The Arizona Deer Association (Phoenix, Page and Littlefield Chapters) as well as the Arizona Mule Deer Foundation may be potential cooperators with this project. Participation from these groups is unknown at this time.

**PROJECT MONITORING PLAN:**

As with all water catchments in GMU 13A, each water catchment will be checked according to district protocol. Water levels will be recorded and submitted to the Region II Game Specialist.

**PROJECT MAINTENANCE:**

**The responsible District Wildlife Manager may complete minor maintenance when possible. The AGFD Development Crew will complete routine maintenance or major repairs of each facility when necessary.**

**PROJECT COMPLETION REPORT TO BE FILED BY:**

**John Sims – Wildlife Manager, GMU 13A**

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

**TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):**

**ARIZONA GAME AND FISH DEPARTMENT**  
**WATER DEVELOPMENT WORKSHEET**

**PROJECT NAME:** Pa's Pocket (816) Water Catchment Redevelopment

- 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.**  
Joe Curry, August 20, 2007
- 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: #817, #818  
Type of water source (catchment, spring, dirt tank, etc.): Catchment  
Ownership of water source: AGFD  
Distance in miles from project: Approximately: 2.6 miles, 3.5 miles
- 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.**  
  
**This project is located within the Mt. Logan Wilderness and 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:   Approx. hiking time:  
4X4 vehicles are required to get within approx. ¼ mile of catchment. Remaining ¼ mile is foot access only due to Wilderness restrictions.  
-- 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.**  
\*\*\*See itemized use of funds
- 10) **Was a site visit completed?**    Yes    No  
If Yes, please list personnel that attended and date.