

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

PROJECT INFORMATION

Project Title: Mt. Logan/ Turkey (#986) Water Catchment Redevelopment		Project No. 11-211
Region/GMU: Region II, GMU 13A	HPC:	
Project Type: Wildlife Water Catchment Redevelopment		
Project Description: This project will be a complete redevelopment of Mt. Logan #986 wildlife water catchment. The existing apron and wooden frame are deteriorating, collapsing and allowing the metal sheeting to blow off. The small storage vault does not supply enough water for the amount of pressure it receives on a monthly basis. The drinker is small and only allows for one game species to drink at a time. Redevelopment will include an upgraded apron material, a larger storage tank, 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.		
Wildlife Species to Benefit: Mule Deer, Merriam's Turkey, and any other wildlife in the area		
Possible Funding Partners:		
Implementation Schedule: Beginning: Spring 2011 Completed: Summer 2011	NEPA Compliance: (if applicable) Completed: Yes ___ No <u>X</u> Projected Completion Date: Within 6 months – 1 year	

PROJECT FUNDING

SBG Funds Requested: \$46,700.00
Cost Share Funds: \$ 3,724.00
Total Project Costs: \$50,424.00

PARTICIPANT INFORMATION

Applicant: Jeremy Felish (please print) Telephone: (435) 644-3837	Address: 3500 S. Lake Mary Road Flagstaff, AZ 86001
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Joe Currie	Date: August 30, 2011
Applicant's signature:	Date:

SEND COMPLETED APPLICATIONS TO:

(revised 6-05-2007)

**Game Branch
5000 W. Carefree Hwy.
Phoenix, AZ 85086**

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES _____ NO X_____

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

This project was submitted in the 2010 HPC funding cycle, and was partially funded for \$22,900.00.

NEED STATEMENT/PROBLEM ANALYSIS:

The Bureau of Land Management constructed Mt. Logan wildlife catchment (#986) in 1966 with a storage capacity of 1,000 gallons. This water catchment is located in very good mule deer habitat that has significantly increased in population over the past several years, and is used extensively during summer months. This water serves as a dependable perennial water source for mule deer, Merriam's turkey, and other wildlife utilizing this area of GMU 13A. Presently, the metal apron is in poor condition, it is collapsing and ultimately allowing the metal apron to pull loose. The drinker is extremely small and the metal fence surrounding is constantly being broke by cattle penetrating it. These issues cause this drinker to go completely dry numerous times during the summer months. Each visit to this catchment requires extensive repair work to the fence and apron as well as water hauling. 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 1,000 gallons to 7,500 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**
- **Decrease the amount of fence repair and cattle disturbance**

PROJECT STRATEGIES:

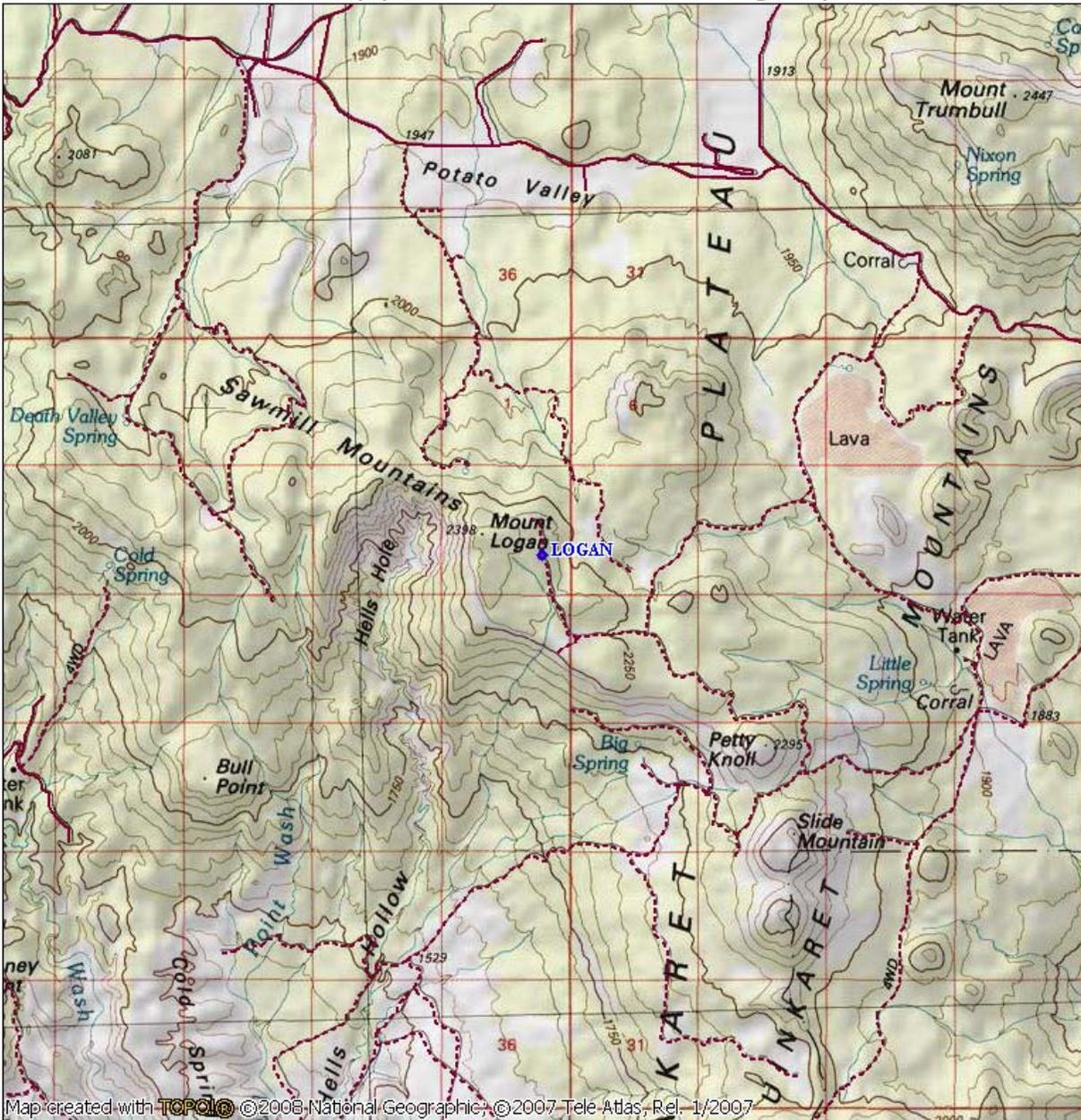
Utilize Big Game Special Tag Funds and the services of a private contractor to redevelop this catchment. Redevelopment of this facility would include the following:

- 1. Purchase and install new apron packages (24'X72') using metal studs and R-paneling.**
- 2. Replace existing 1,000 gallon concrete storage tank with a 7,500 gallon fiberglass storage tank.**
- 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.**

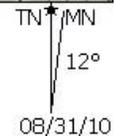
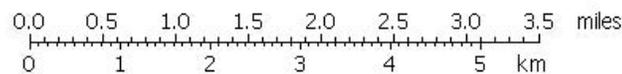
PROJECT LOCATION:

Game Management Unit 13A
Mohave County, AZ
N36 21.499', W113 12.241'

TOPO! map printed on 08/31/10 from "Logan.tpo"



Map created with TOPO! © 2008 National Geographic, © 2007 Tele Atlas, Rel. 1/2007



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 inside the Grand Canyon Pharashant monument.

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 ponderosa pine trees. This catchment is located at approximately 7600' ASL.

ITEMIZED USE OF FUNDS:

ESTIMATED PROJECT COST SHEET

Costs Category – Equipment, Labor, Materials, etc.	Grant Dollars Requested – Special Tag Funds	Wildlife Conservation Funds
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	
Contractor Services \$ 25000.00 ea.	\$25,000.00	
EA Documentation – Use of Contactor 3723.63 ea.		\$3723.63
Totals	\$46,700.00	\$3723.63

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 Mt. Logan #986 water catchment**

The Arizona Deer Association 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:

Jeremy Felish – 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: Mt. Logan #986 Water Catchment Redevelopment

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

Yes.

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

Joe Curry, August 20, 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: Aspen #618

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

Ownership of water source: Arizona Game and Fish Department

Distance in miles from project: Approximately: 2.6 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).**

This project is located within the 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:

-- 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 ___X_No

If Yes, please list personnel that attended and date.