

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

PROJECT INFORMATION	
Project Title: West Collins Canyon Water Catchment	Project No. 09-516
Region/GMU: Region 5/ Unit 35A	HPC: Tucson HPC
Project Type: New Water Catchment	
Project Description: As part of an ongoing water assessment and inventory project being conducted throughout units 35A and 35B, several new water developments will be proposed for construction in areas where water is the limiting habitat component. The West Collins Canyon Water Development is one of these proposals where excellent whitetail, javelina, black bear, and mountain lion habitat exists, but is lacking a perennial water source in prime habitat. The construction of this catchment will increase the distribution and population dynamics of various wildlife species, provide contiguous habitats, and meet the need for a perennial water source for wildlife.	
Wildlife Species to Benefit: Whitetail (80%)/ Javelina (20%)	
Possible Funding Partners:	
Implementation Schedule: Beginning: Spring 2009 Completed: Spring 2010	NEPA Compliance: (if applicable) Completed: Yes ___ No ___ Projected Completion Date:
PROJECT FUNDING	
SBG Funds Requested: \$ 39,698.00	
Cost Share Funds: \$ 26,619.00	
Total Project Costs: \$ 66,317.00	
PARTICIPANT INFORMATION	
Applicant: Aaron Miller (AGFD)/John Millican (Huachuca Gould's Chapter of NWF) (please print) Telephone: 520 508-4272 (Millican Cell phone)	Address: Aaron Miller 555 N. Greasewood Tucson, AZ 85745
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Joseph Currie (SSDV) 623-236-7867 Glenn Frederick, Wildlife Biologist (USFS, Sierra Vista Ranger District) 520-803-2827	Date:
Applicant's signature:	Date: August 28, 2009

SEND COMPLETED APPLICATIONS TO:
Game Branch, 5000 W Carefree Highway.
Phoenix, AZ 85086
rthompson@azgfd.gov

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

**HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?
NO**

NEED STATEMENT/PROBLEM ANALYSIS:

Currently a roadless area that lies within the Canelo Hills in GMU 35A is without perennial water. The area has excellent and diverse habitat for whitetail and javelina, along with various other big game, small game and nongame species, but lacks sufficient water distribution. As a result, winter wildlife surveys indicate that the area has very low numbers of whitetail and javelina, while adjoining habitats that contain perennial waters show excellent wildlife distribution. The area has been deferred from grazing by the USFS, due to lack of year-long water availability and designated as unusable for livestock.

All waters, covering an area of approximately 45 sections, have been mapped. With the construction of this development, perennial waters throughout the southern end of the Canelo Hills will be spaced approximately within a 1 mile radius of each other. All other perennial waters consist of dirt tanks with yearly water availability dependent on summer moisture. All identified waters appear to be dependable, but require sufficient summer rainfall to sustain the areas wildlife during late spring/early summer timeframes. The addition of a reliable water source will greatly enhance the areas wildlife populations, and allow for contiguous utilization of prime habitat over an extended area.

PROJECT OBJECTIVES:

To provide perennial water for wildlife by constructing a new Wildlife Water Catchment in an area that is currently devoid of perennial water. This project will greatly increase available habitat, primarily for whitetail deer, by providing contiguous habitat throughout an area of the Canelo Hills that currently is not being utilized. The development of this dependable water source will also aid wildlife during periods of below average precipitation, since all other water sources throughout the area are made up of dirt stock tanks.

PROJECT STRATEGIES:

To provide perennial water for various wildlife species, utilizing SBG Funds, the Arizona Game and Fish Department's Development Crew and local volunteers to construct a new water catchment consisting of a 24'X72' corrugated metal apron which will collect water and be held in a 3'deepX 18' diameter Fiberglass Ring Tank, which will supply water to a 3' Standard Walk-in Trough. Since the USFS has deferred this area from grazing, there will no need to develop a piperail fence around the catchment. Due to this area being roadless, materials and personnel will need to be airlifted to the site utilizing a helicopter.

PROJECT LOCATION: GMU 35A 31.26'38"N 110.29'17"W

Game/Development Branch
 (*Juglans major*), and willow (*Salix sp.*)

ITEMIZED USE OF FUNDS:

24'X72' Apron	\$8,605.00
3' deepX18'diameter Fiberglass Ring Tank (5,777 gal.)	\$7,709.00
3' Standard Walk-in Trough	\$2,640.00
Plumbing Supplies	\$1000.00
Helicopter Ferry Time	\$2833.00
Helicopter work time (20 hours work time at \$845.57/hour, including Ferry time of personnel)	<u>\$16,911.00</u>
Total SBG Funds Requested	\$39,698.00

BUDGET SUMMARY

Requested	\$39,698.00
Cost Share	<u>\$26,619.00</u>
TOTAL	\$66,317.00

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

The USFS, Sierra Vista District Ranger District is in the process of completing all NEPA documentation for the water development.

Both Glenn Frederick, USFS District Wildlife Biologist, and Joseph Currie, AZGFD Habitat Planning Program Manager, have completed a field review of this project site.

Glenn Frederick is currently working on the arch. clearance and B.A. reports.

The Arizona Game and Fish Department, along with volunteers from conservation groups in Sierra Vista will provide labor and equipment for the construction of this water development:

Helicopter Ferry Time (\$566.50/hr. @ 5 hours)	\$2833.00
Fuel truck (round trip) at \$1.29/mile	\$1,703.00
Environmental/ arch clearance salary (USFS)	\$1,083.00
Salary/Per diem/ mileage for AGFD work crew and volunteers	\$20,000.00
Site visits/coordination/write ups/salary (AGFD)	<u>\$1,000.00</u>
Total Cost Share	\$26,619.00

PROJECT MONITORING PLAN:

The district wildlife manager will check the development annually. Additionally, wildlife densities and use will be documented by the district wildlife manager during winter survey efforts, along with conducting incidental visits to the site at key times of the year.

PROJECT MAINTENANCE:

The district wildlife manager or volunteers will perform minor maintenance. If necessary, the Arizona Game and Fish Department Development Crew (SSDV) will perform major maintenance.

PROJECT COMPLETION REPORT TO BE FILED BY:

Joseph Currie (SSDV), 623-236-7867

WATER DEVELOPMENT PROJECTS (see attached worksheet):

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

Game/Development Branch

ARIZONA GAME AND FISH DEPARTMENT
WATER DEVELOPMENT WORKSHEET

PROJECT NAME: West Collins Canyon Water Catchment

- 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.**
Joseph Currie, SSDV November 29, 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: No Name
 Type of water source (catchment, spring, dirt tank, etc.): Dirt Tank
 Ownership of water source: USFS
 Distance in miles from project: Approximately 1 mile
- 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.**
NA
- 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: 2 miles Approx. hiking time: 1:20
 Materials and personnel flown in with helicopter
 -- 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'X72' Apron
 3' deepX18'diameter Fiberglass Ring Tank (5,777 gallons)
 3' Standard Walk-in Trough
- 10) **Was a site visit completed?** Yes No
 If Yes, please list personnel that attended and date.
 Glenn Frederick, District Wildlife Biologist, USFS, Sierra Vista District Nov. 29, 2007
 Joseph Currie, AZGFD, Habitat Planning Program Manager Nov. 29, 2007
 John Millican, AZGFD, District Wildlife Manager Nov. 29, 2007