

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

PROJECT INFORMATION

Project Title: Whitlock Water 2/GF catchment 370

Project No. 07-527

Region/GMU: Region 5 Game Management Unit 28

HPC: Safford HPC

Project Type: Water catchment redevelopment

Project Description: Catchment # 370 Is a wildlife water in the Whitlock Mountains in GMU 28. The catchment is approximately 20 miles east of Safford and just south of US Highway 70. This catchment consists of a 2000-gallon concrete vault and a small concrete apron. The systems current storage capacity is two small and on top of that it appears to be cracked about ½ way down the vault and does not hold water above that point. The apron is old and is cracked very badly and the concrete is deteriorating.

This catchment will be redeveloped using volunteer labor and equipment from the Southeastern Arizona Sportsmen's Club. The Club has helped on two similar projects and is gaining some expertise in the construction of these catchments. The Department will provide a crew of one to oversee the project and assure it is done correctly.

The project will replace the current system with 5200 gal fiberglass storage tank, a walk in drinker and a 24' by 96' tin apron. The old barbed wire fence will be removed and a state of the art pipe fence will replace it. The new system will be approximately 6000 gallons with the storage and drinker. This will provide sufficient water for extended periods of drought.

This project was presented to and supported by the Safford HPC group. The NEPA documentation will be written by Devin Skinner the local wildlife manager, with the help of the Safford Field Office of the Bureau of Land Management. It should be completed by Mar of 2008. This site is on State Land and the Cody Hatfield said NEPA is not required if we stay within the footprint of the current developed catchment. This catchment will be listed in the NEPA document along with Catchment #369 just to make sure all bases are covered.

Wildlife Species to Benefit: The redevelopment will greatly benefit mule deer, Javelina, all small game and non-game species

Possible Funding Partners: The Southeastern Arizona Sportsmen's Club, The Bureau of Land Management Safford field Office

Implementation Schedule:

Beginning: Nov 2008

Completed: May 2010

NEPA Compliance: (if applicable)

Completed: Yes ___ No X

Projected Completion Date: Mar 08

PROJECT FUNDING	
SBG Funds Requested: \$ 20,545.00	
Cost Share Funds: \$ 12,000.00	
Total Project Costs: \$ 32,545.00	
PARTICIPANT INFORMATION	
Applicant: L. Devin Skinner (please print) Telephone: (928) 348-6939	Address: P.O. Box 656 Thatcher AZ 85552
AGFD Contact and Phone No. Devin Skinner (If applicant is not AGFD personnel)	
Coordinated with: Ed Jahrke	Date: May 25, 2007
Applicant's signature:	Date: May 25,2007

SEND COMPLETED APPLICATIONS TO:

Game Branch
2221 W. Greenway Rd.
Phoenix, AZ 85023
mdisney@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:

Arizona Game and Fish Department catchment # 370 is currently functioning but is in desperate need of repairs. The systems current storage capacity is two small and on top of that it appears to be cracked about 1/2 way down the vault and does not hold water above that point. The apron is old and is cracked very badly and the concrete is deteriorating. It has vegetation growing up through it.

This catchment has been a very good catchment over the years. It now needs a little maintenance to keep it in good working order. Deer and Javelina frequently are seen using this catchment.

This area (in the early to mid 1990) had high mule deer and javelina numbers. The population has declined due to the effects of the current drought. It still supports wildlife only at slightly lower population numbers. As the effect of the drought return to normal I expect the population numbers to return to these higher levels. I believe the need for a good working source of water for this area is critical as we return to more normal precipitation patterns.

PROJECT OBJECTIVES:

The redevelopment of this catchment will insure that a reliable source of water is available in this part of the Whitlock Mountains of Unit 28. This will be a big benefit for mule deer and javelina in providing a year round source of water.

The 2007 surveys show a fawn to doe ratio of 38 fawns per 100 does. This year's average moisture should have a high fawn crop for next year as well. As the mule deer populations increase in this area we need to make sure that a reliable source of water is available.

Several groups of javelina are frequently seen in the area of this catchment as well.

There is a dirt stock tank in close proximity to this catchment however it goes dry throughout different times of the year. It is not a reliable perennial source of water.

PROJECT STRATEGIES:

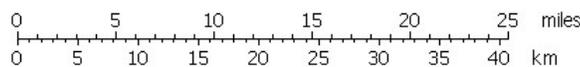
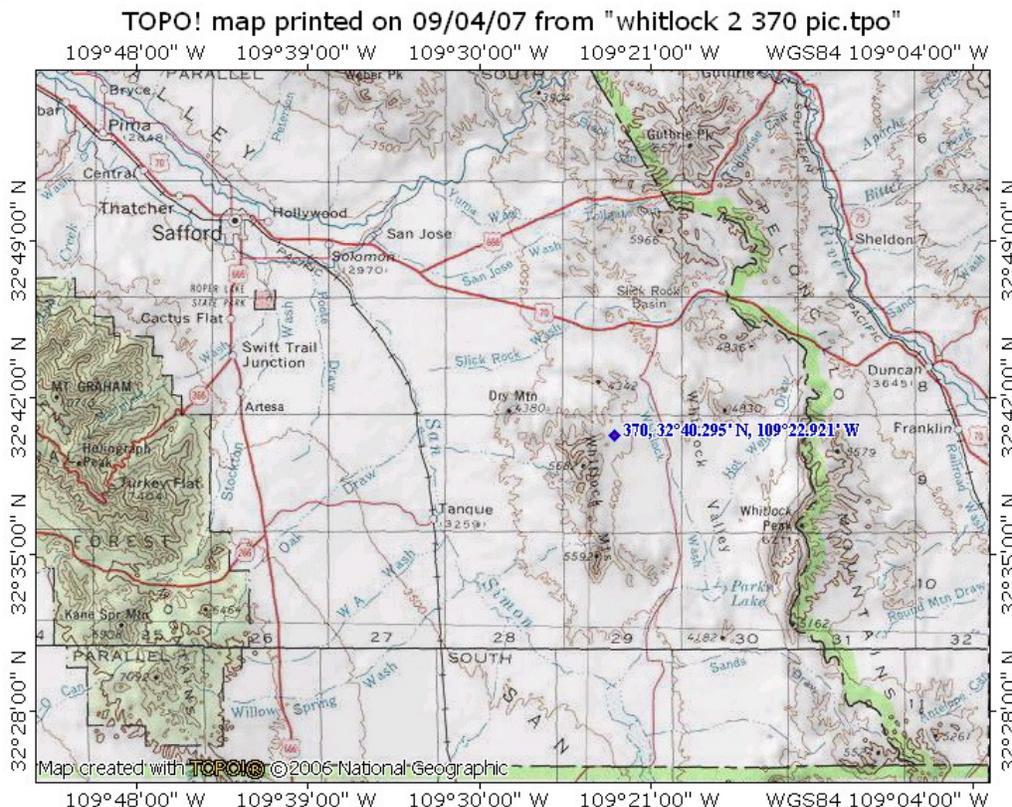
The project will replace the current system with 5000 gal fiberglass storage tank, a walk in drinker and a 24' by 96' tin apron. The old barbed wire fence will be removed and a state of the art pipe fence will replace it.

PROJECT LOCATION:

Catchment # 370 is a wildlife water in the Whitlock Mountains in GMU 28. The catchment is approximately 20 miles east of Safford and just south of US Highway 70.

GPS coord. N 32 40.295 W 109 22.921

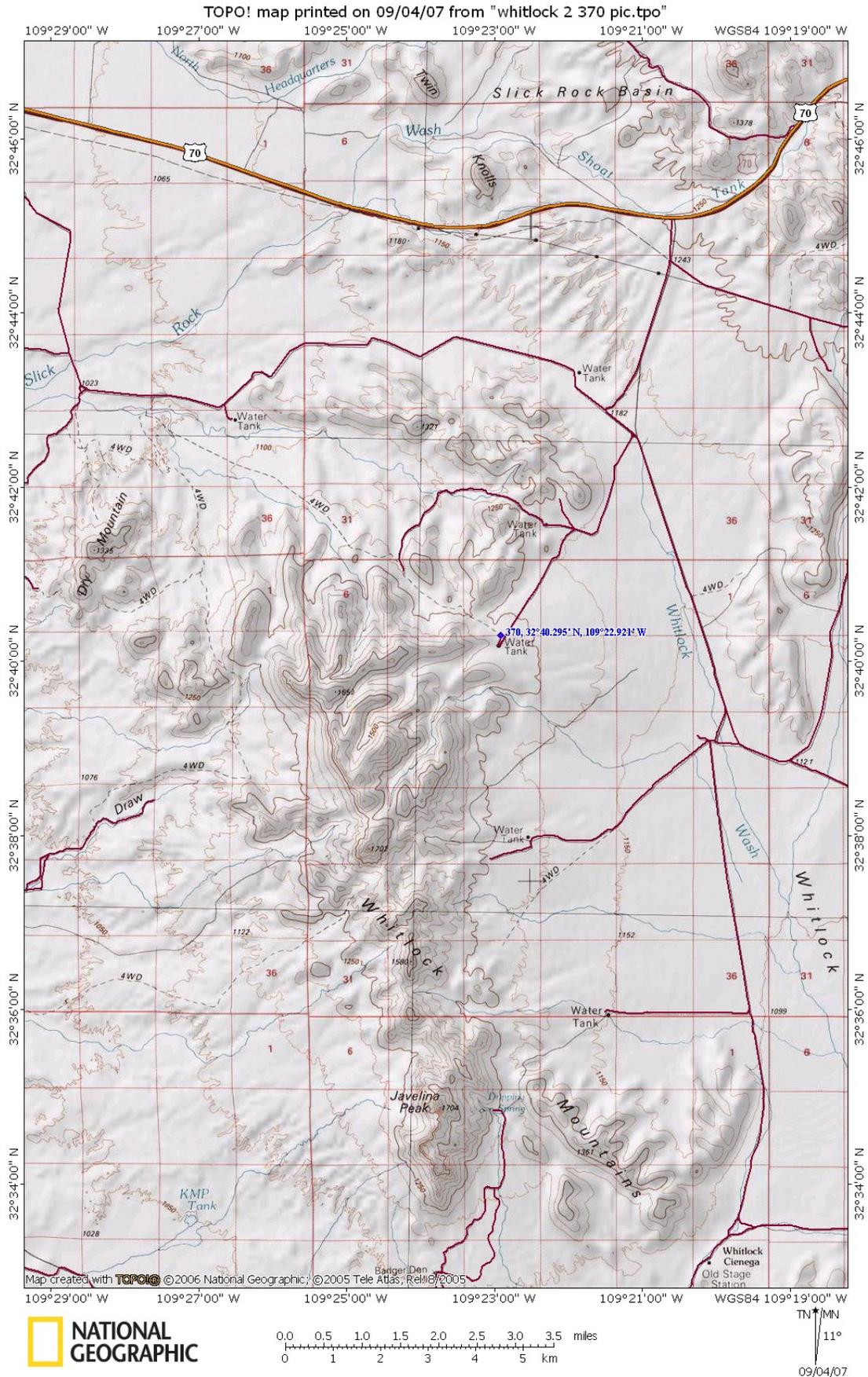
Township 9S Range 29E Section 6



TN MN

(revised 6-05-2007)

09/04/07



LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name): The land at this catchment site is owned by the State of Arizona and is managed by the State Land Department

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

HABITAT DESCRIPTION:

The habitat type is desert scrub.

ITEMIZED USE OF FUNDS:

**HPC PROJECT BUDGET
CATCHMENT # 370**

Item	Cost
Fiberglass Storage Tank	\$ 7,567.00
Walk in Drinker	\$ 2,700.50
Tin Apron 24' X 96'	\$ 6,500.00
Gutter	\$ 578.00
Concrete	\$ 500.00
Pipe Fencing	\$ <u>2,700.00</u>
Total	\$ 20,545.00

MATCHING FUNDS

Item	Cost
Labor and Expenses	\$ 12,000.00

Labor and expenses may include but not limited to;

- 1) Development Employee for 40 hours / \$30 hour plus expenses and vehicle mileage at \$.441/2 cents mile round trip.
- 2) Volunteer labor and vehicle mileage at \$.441/2 per mile round trip to project site.

All costs and funds are only estimates provided by the Departments development branch. Pricing may change depending on the start date of the project and the cost of materials.

**TOTAL PROJECT COST
\$ 32,545.00**

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AZGFD Region 5 personnel, AZGFD Sector 7 personnel, Southeastern Arizona Sportsmen Club, Bureau of Land Management (Safford Office)

AZGFD Region 5 will provide labor for the project.

Southeastern Arizona Sportsmen Club will provide labor, equipment, and some materials (Sand to level the tank and drinker).

One Department Development Branch Employee will oversee the project and provide technical assistance.

PROJECT MONITORING PLAN:

Local wildlife manager will help oversee the project and will conduct yearly maintenance checks. He will also do random checks when he is in the area. Regional personnel will also conduct wildlife surveys in the area to monitor wildlife populations.

PROJECT MAINTENANCE:

If maintenance is required it will be placed on the regional priority list and will be fixed by the AZGFD.

PROJECT COMPLETION REPORT TO BE FILED BY:

The local wildlife manager will file the project completion report.

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: Whitlock catchment #2 GF catchment #370

- 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.**
Ed Jahrke May 25, 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: Dirt tank
Type of water source (catchment, spring, dirt tank, etc.):
Ownership of water source: Hackberry Ranch
Distance in miles from project: approximately 2.5 miles out across the flats to the east
- 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.**
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: 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 budget**
- 10) **Was a site visit completed?** Yes No
If Yes, please list personnel that attended and date.