

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

Game Branch / HPC Project Number: 12-606

PROJECT INFORMATION

Project Title: Catchment #265 Redevelopment

Region and Game Management Unit: Region 6, GMU 21

Local Habitat Partnership Committee (LHPC):

- Payson

Was the project presented to the LHPC?

YES[] NO[X]

Has this project been submitted in previous years? YES[] NO[X]

If Yes, was it funded? YES[] NO[] → **Funded HPC Project #(s):**

Project Type: Water Catchment Redevelopment

Brief Project Summary:

The proposed project is a redevelopment of catchment #265, in the Camp Creek area of GMU 21. The current system needs major repairs and requires extensive water hauling to maintain the water source for wildlife. Redeveloping this catchment would create a dependable water source, with minimal maintenance and water hauling needs.

Big Game Wildlife Species to Benefit: Mule Deer, Javelina

Implementation Schedule (Month/Day/Year):

Project Start Date:
September, 2013

Project End Date:
December, 2013

Environmental Compliance:

NEPA Completed: Yes[] No[X] N/A[]

Projected Completion Date: January 1, 2013

State Historic Preservation Office - Archaeological Clearance:

Yes[] No[X] N/A[]

Projected Completion Date: January 1, 2013

Arizona Game and Fish Department EA Checklist: N/A[]

To be Completed by: Joe Currie

Projected Completion Date: March-June 2013

PROJECT FUNDING

Special Big Game License Tag Funds Requested: \$ 25,375.75

Cost Share or Matching Funds: \$ 18,000

Total Project Costs: \$ 43,375.75

PARTICIPANT INFORMATION

Applicant (please print):

Kyle Cooper

Address:

7200 E. University Dr.
Mesa, AZ 85207

E-mail:

Kyle.Cooper@cybertrails.com

Telephone: 480-639-9508

Date: 8/13/12

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

N/A

Project has been coordinated with: Joe Currie – AZGFD, Ed Jahrke – AZGFD, Dustin Darveau – AZGFD, Bryan Marshall – AZGFD, Todd Willard - USFS

NEED STATEMENT – PROBLEM ANALYSIS:

Camp Creek Quail 5 Catchment (#265) is located west of Bartlett Lake, in the Camp Creek area. The wildlife catchment is a concrete vault style, with limited storage capacity. Both the trough and apron have damage and are in need of repair. The status of the vault is unknown, but water hauling to this catchment has become a burden to 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.

This catchment is one of five catchments in the camp creek area, all of which are currently in need of repair or complete redevelopment. The goal is to redevelop the catchments in this area, over the next several years, to restore dependable water sources to this area. The benefits of these perennial water sources will extend to both large game, such as Mule Deer and Javelina, as well as small game like quail and doves.

PROJECT OBJECTIVES:

- Improve surface water availability and distribution for a diminishing mule deer population
- Decrease maintenance needs through redevelopment and increasing storage capacity

PROJECT DESCRIPTION AND STRATEGIES:

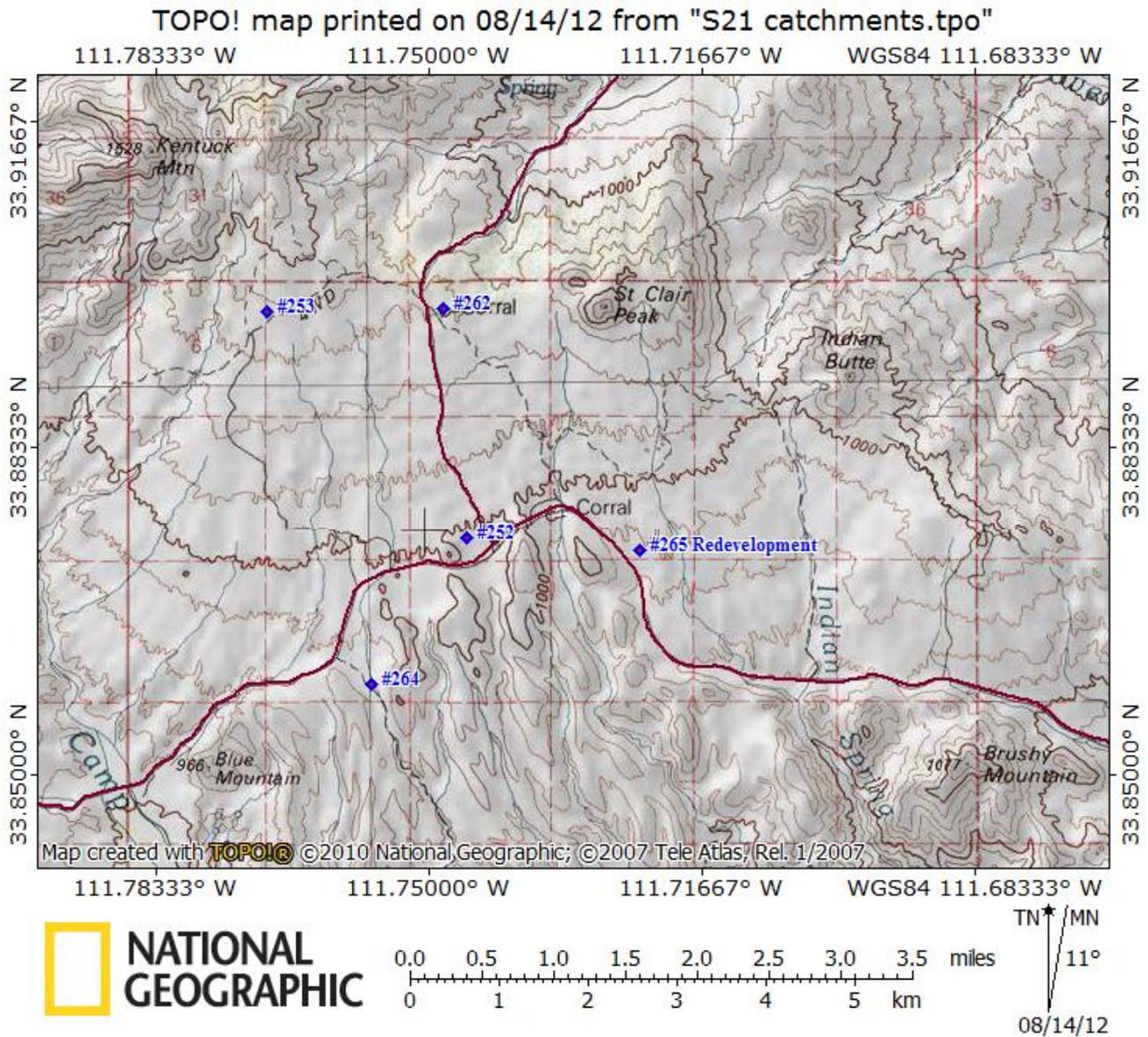
1. Install a 3’x20’ fiberglass tank with capacity of approximately 7000 gallons.
2. Construct a 24’ x 72’ r-panel metal apron over tank, attached to metal framework.
3. Install a 3’ walk in trough to replace the existing ground level drinker.
4. Replace existing plumbing components.
5. Replace barbed wire fence with metal pipe-rail.

PROJECT LOCATION:

Township 6 North, Range 6 East, Section 10

N 33.87292°, W 111.72429°

See map below



LAND OWNERSHIP AT THE PROJECT SITE(S):

(if the project area is private property, please state specifically and provide the landowner's name)

- US Forest Service – Cave Creek Ranger District

IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

YES[] NO[] N/A[X]

HABITAT DESCRIPTION:

The major habitat type surrounding catchment is Sonoran mid-elevation desert scrub, with some adjoining Paloverde and mixed cacti vegetation.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

24' x 72' Apron	\$5,824.10
Piperail Fence (150' x 150')	\$3,607.65
Pipe, Fittings, Misc.	\$2,000.00
3'd x 4'w Fiberglass Standard Walk-in Trough	\$3,294.00
<u>3'd x 20'dia. Ring Tank (7,046 gallons)</u>	<u>\$10,650.00</u>
Total	\$25,375.75

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

Labor and expertise from AZGFD development crew \$18,000

It is our hope to use this project as a constituent group project, because of its close proximity to the Phoenix area and high value for wildlife. Doing so would not only benefit the AZGFD development crew with labor, but also add a decent amount of match money to the project. It is estimated that 10-15 Mule Deer volunteers would constitute an additional \$3,735 in support of the project.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Deer Association – provide project funding and possible on the ground support during redevelopment

Mule Deer Foundation – provide project funding and possible on the ground support during redevelopment

AZGFD development crew – provide technical expertise and oversee project completion

USFS Cave Creek Ranger District – provide project input and complete CATEX paperwork

WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?

YES[] NO[] N/A[X]

PROJECT MONITORING PLAN:

Monitoring will be completed by the district Wildlife Manager. Inspections will be completed based on Region 6 protocol, and maintenance needs will be reported to the AZGFD development branch.

PROJECT MAINTENANCE:

Routine maintenance will be conducted by regional personnel and development branch.

PROJECT COMPLETION REPORT TO BE FILED BY:

Kyle Cooper – GMU 21 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: Catchment #265 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 Currie – 5/9/12
Ed Jahrke – 7/3/12, 8/10/12, 8/27/12
- 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: Catchments #252, #253, #262, #264
Type of water source (catchment, spring, dirt tank): Catchments
Ownership of water source: USFS/AZGFD
Distance in miles from project: 1.2, 3.1, 2.2 and 2.0 miles (respectively)
NOTE: all four other catchments are in a similar condition, and do not represent reliable water sources
- 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.**
N/A
- 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:
Entrance gate is currently locked by the USFS, but the catchment is less than ¼ mile from the Bartlett Lake Rd. Department personnel and volunteers will have direct access via a Forest Service key, and the road will require minimal brush clearing to be passable.
- 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' Apron
 - Pimperail Fence (150' x 150')
 - 3'd x 4'w Fiberglass Standard Walk-in Trough
 - 3'd x 20'dia. Ring Tank (7,046 gallons)
- 10) **Was a site visit completed?** Yes No
If Yes, please list personnel that attended and date.

ARIZONA GAME AND FISH DEPARTMENT VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET

PROJECT TITLE: Catchment #265 Redevelopment

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf

\$0.445/mile should be the calculation used for mileage.

Water Development	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
	250	450	\$14.14	\$3735
Habitat Restoration and Clean Up	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Fisheries	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Nongame Branch Project	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Misc/office work	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			varies	
Community Services	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$7.44	
Events and Other	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Research Branch	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Wildlife Area Hosts	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$17.44	
Education Programs	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$16.07	
Totals	250	450		\$3735