

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

PROJECT INFORMATION

Project Title: Mineral Mountain Catchment Redevelopment		Project No. 10-605
Region/GMU: Region 6/ GMU 37B	HPC: No Local HPC Available	
Project Type: Water Catchment Redevelopment		
Project Description: To redevelop/ repair the Mineral Mountain Water Catchment using newer more efficient catchment technology while staying in the existing footprint. This Catchment was originally built in 1983 and has since fallen into disrepair. The damage to the catchment is affecting its ability to catch and retain water.		
Wildlife Species to Benefit: Mule Deer, Javelina, and various small game and non-game species		
Possible Funding Partners:		
Implementation Schedule: Beginning: January 1, 2011 Completed: January 1, 2013	NEPA Compliance: (if applicable) Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Projected Completion Date:	

PROJECT FUNDING

Total Project Costs:	\$ 40,280.00
Cost Share	\$2,800.00
Match Funds:	\$ 15,000.00
SBG Funds Requested:	\$ 22,480.00

PARTICIPANT INFORMATION

Applicant: Kriselle Colvin (please print) Telephone: 480-354-5643	Address: 7200 East University Mesa, AZ 85207
AGFD Contact and Phone No. Kriselle Colvin 480-354-5643 (If applicant is not AGFD personnel)	
Coordinated with: Joseph Currie, AZ Game and Fish Dept. Darrell Tersey, Bureau of Land Management	Date: 2008 thru 2010
Applicant's signature:	Date:

SEND COMPLETED APPLICATIONS TO:

AZ Game and Fish Department
Attn: Game Branch
5000 W. Carefree Highway
Phoenix, AZ 85086
rgregoryv@azgfd.gov

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

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?
Yes it was submitted in 2009 but was not funded.

NEED STATEMENT/PROBLEM ANALYSIS:

The Mineral Mountain Catchment #882 is in need of serious repairs. The catchment was built in 1982 and has suffered severe damage from the elements. The sheeting of the apron is coming off and cannot be reattached due to the fact that the wood underneath is rotting. This catchment is in a prime location in the bottom of a small draw and is used very frequently by mule deer and javelina herds in the area. The damage to the catchment is affecting its ability to gather and hold water and the catchment itself is outmoded.

This catchment should be replaced with a newer system that can hold more water to sustain the existing deer and javelina populations in the area that have come to depend on it as a perennial water source.

PROJECT OBJECTIVES:

- a) Retain water availability for mule deer and javelina in the Mineral Mountain area**
- b) Use newer catchment technology to maximize water caught and stored**
- c) Use newer technology to make a more self sustaining catchment that requires less repairs over time**
- d) Improve access to catchment for wildlife and hunters**

PROJECT STRATEGIES:

- a) Completely redevelop existing catchment while staying in established footprint**
- b) Remove old apron and tank and install 2, 3' deep 18' diameter tanks and a new 24' by 72' metal frame and R-panel apron**
- c) Remove old fiberglass trough with float valve and replace with fiberglass walk in trough not requiring a float valve**
- d) Replace barbed wire fence with pipe rail fence**

PROJECT LOCATION:

The catchment is located in Game Management Unit 37B; GPS coordinates N33.09.042 and W111.15.261 (see attached map)

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

Bureau of Land Management

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

HABITAT DESCRIPTION:

Game management unit 37B is located in Pinal County, Arizona, southeast of Phoenix. The habitat around the Mineral Mountain catchment consists of lower sonoran desert scrub. Common vegetation includes jojoba (*Simmondsia chinensis*), foothill palo verde (*Cercidium microphyllum*), and mesquite (*Prosopis spp.*). Average rainfall is approximately 13” and elevation is approximately 1980’.

ITEMIZED USE OF FUNDS:

Item	Cost Share	SBG funds requested	Match Funds
2- 18’ diameter ring tanks		20,020.00	
1- 3’x4’ walk-in trough		3,294.00	
1- 24’x72’ apron		4,680.00	
Fiberglass gutter		736.00	
Piperail fence (existing size) *this could be changed to standard size with the cost of 3,500.00		7,000.00	
Misc materials and plumbing		1,750.00	
AGFD, provide in-kind labor to write proposal, coordinate project, and complete report. Calculated as 6 days @ \$125/day.	800.00		
BLM, provided administrative support including labor/funding to produce NEPA clearance.	2,000.00		
BLM Assistance Agreement			10,000.00
Development Branch WCF Funds			5,000.00
Total	2,800.00	22,480.00	15,000.00

Total Project Costs = \$40,280.00

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AGFD Development Branch: acquire the materials, provide equipment and manual labor for construction, also contracted out Arch clearance.

Bureau of Land Management: NEPA requirements

PROJECT MONITORING PLAN:

The project proponent will monitor the project and coordinate with the Game and Fish Department development crew, BLM personnel and volunteers throughout the project. After completion, the catchment will be monitored at least 4 times a year with additional visits as needed during the dry summer months.

PROJECT MAINTENANCE:

The Development crew of the Arizona Game and Fish Department will provide maintenance as needed, coordinated by the area wildlife manager.

PROJECT COMPLETION REPORT TO BE FILED BY:

The project proponent

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: Mineral Mountain Catchment Redevelopment

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**
Yes it is listed among the top 3 for Region 6.
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Joseph Currie, fall of 2008 through Spring of 2010.
- 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: Cactus Patch Water Catchment
Type of water source (catchment, spring, dirt tank, etc.): Catchment
Ownership of water source: Game and Fish Department catchment on BLM land
Distance in miles from project: 1.85 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.**
- 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:
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**
2 – 18’ Diameter fiberglass ring tanks @ 20,020.00 (for both)
1 – 3’ X 4’ Fiberglass walk-in trough @ 3,294.00
1 – Fiberglass gutter @ 736.00
1 – 24’ X 72’ Apron @ 4,680.00
Piperail fence 425’ X 350’ @ 7,000.00
Misc. materials and plumbing @ 1,750.00
- 10) **Was a site visit completed?** Yes No
If yes, please list personnel that attended and date.
Joe Currie August 7, 2008



Mineral Mountain Catchment Photo 1
Location Overview, yellow X is catchment



Mineral Mountain Catchment Photo 2
View of catchment facing south

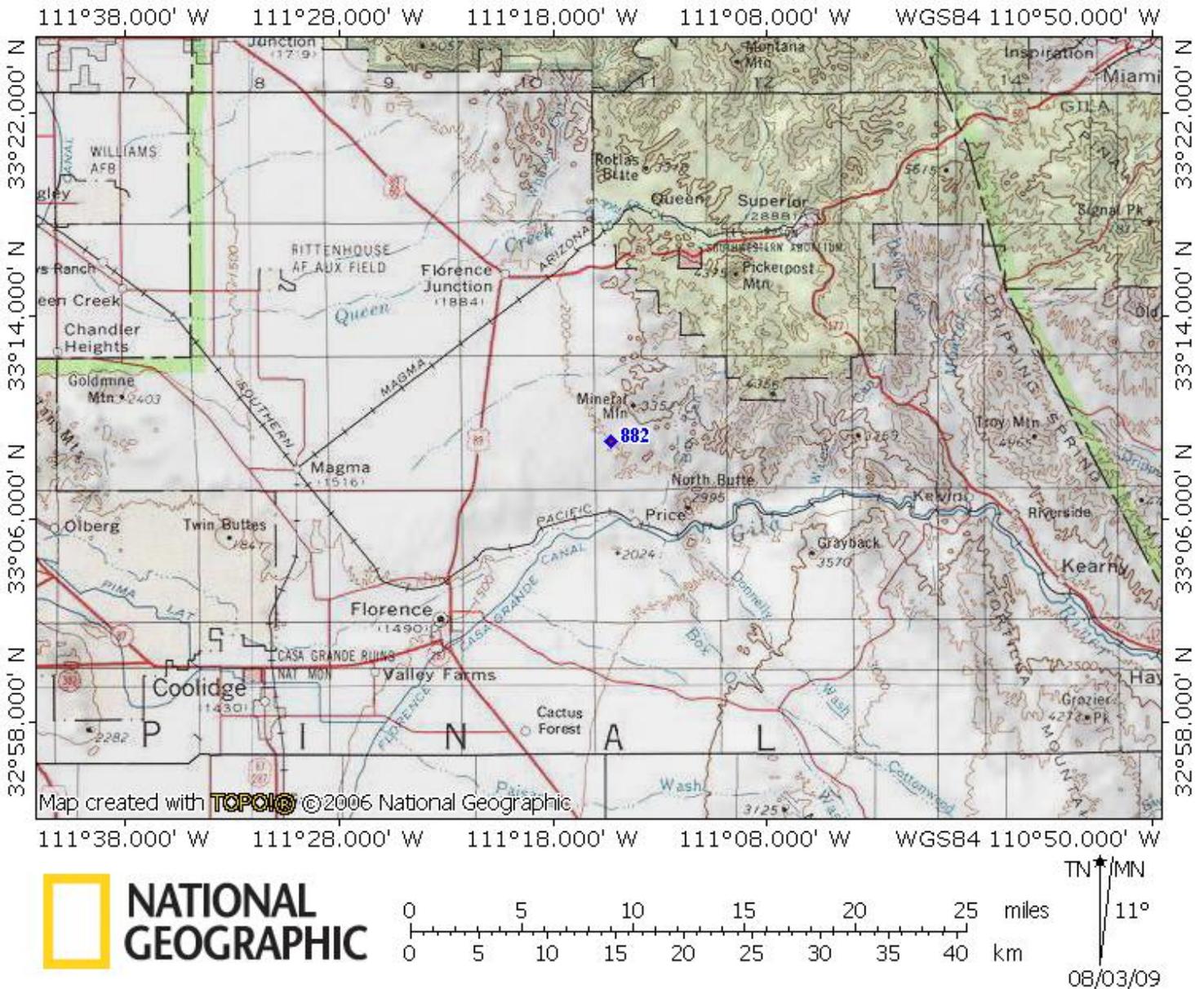


Mineral Mountain Catchment Photo 3
Close up of rotting/buckling wood

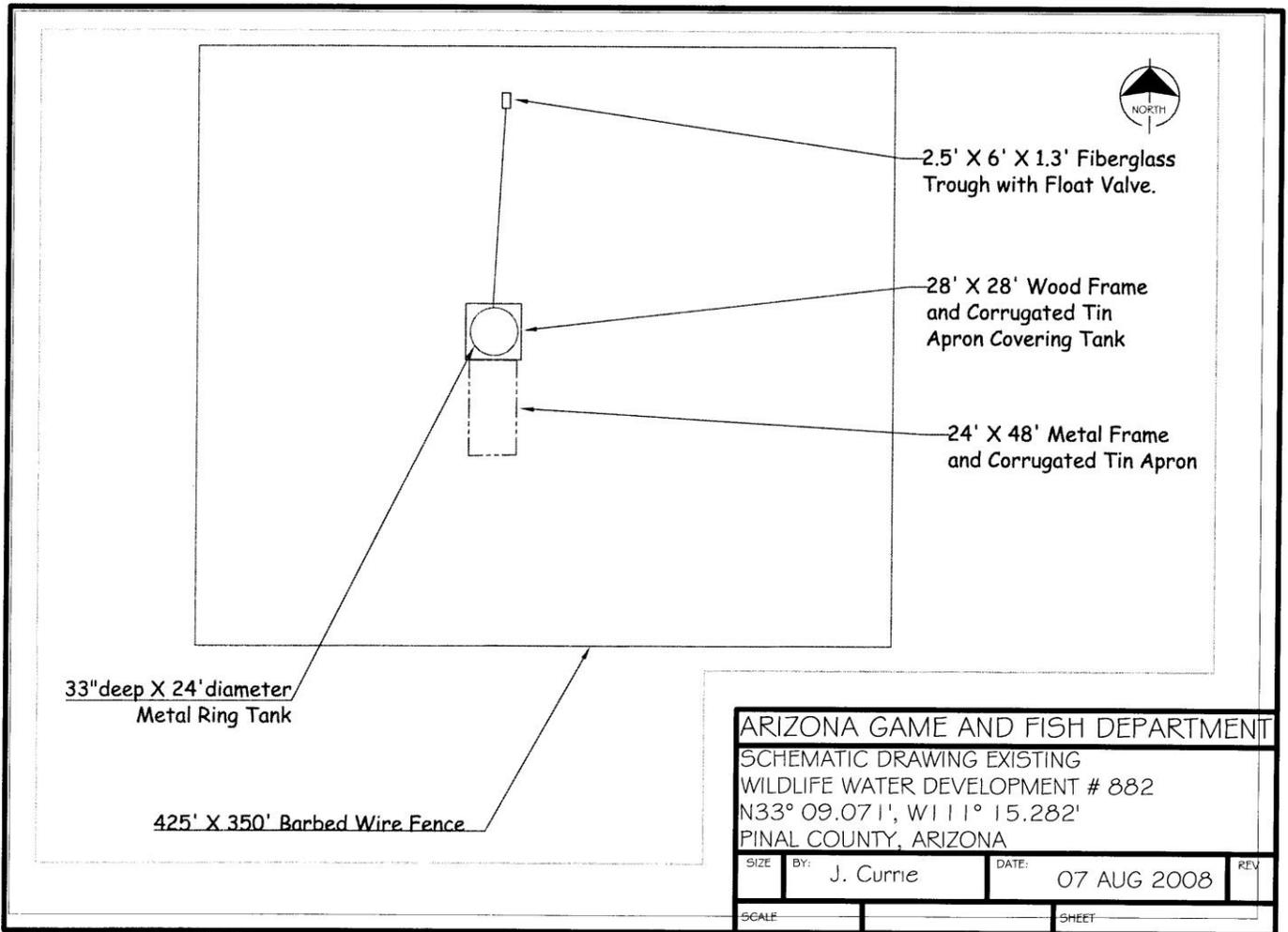


Mineral Mountain Catchment Photo 2
Close up of missing sheeting

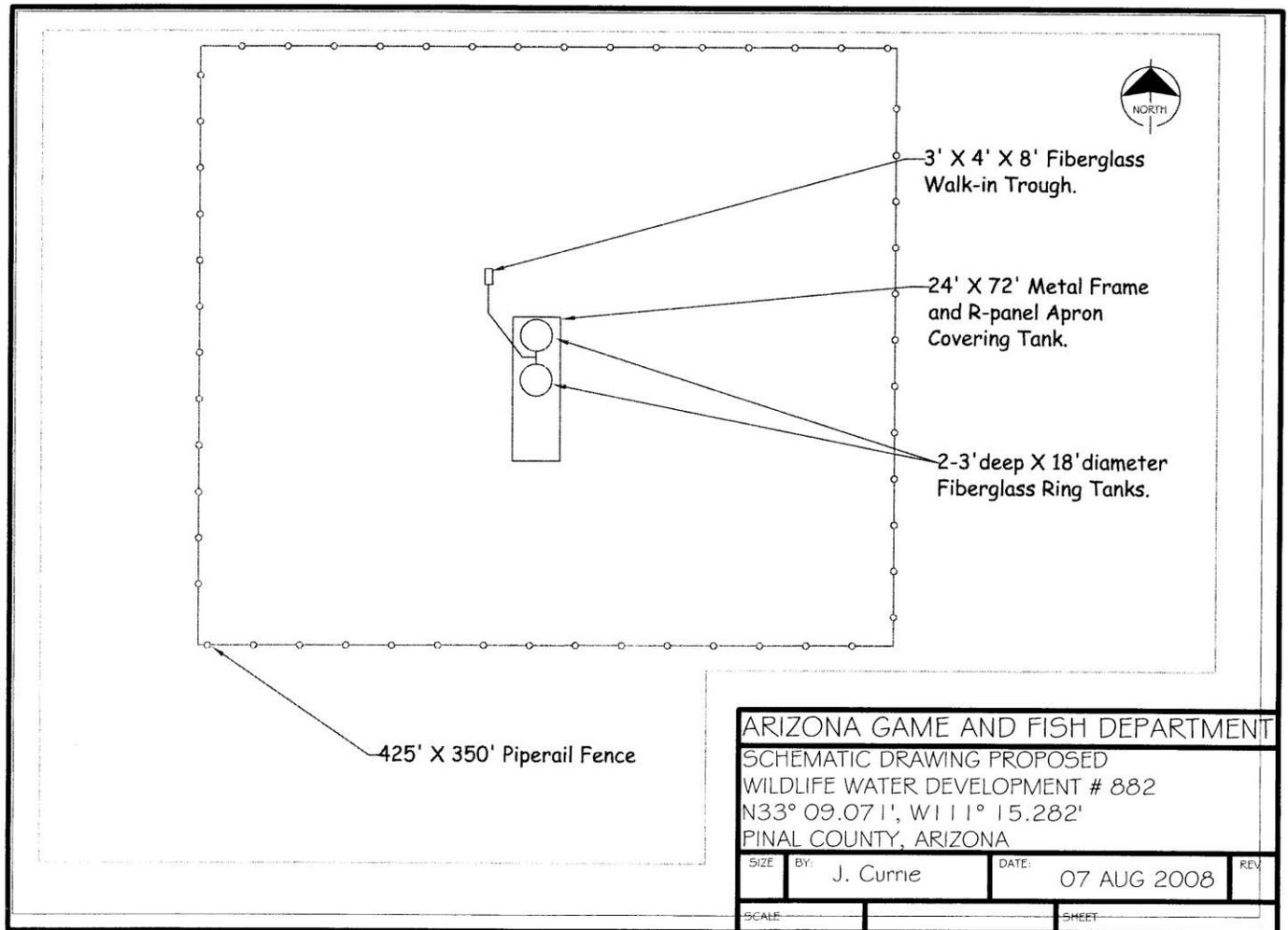
TOPO! map printed on 08/03/09 from "Untitled.tpo"



Location of Mineral Mountain Catchment



Existing Mineral Mountain Catchment



Proposed Mineral Mountain Catchment

PROJECT COMPLETION REPORT

(Please complete the report and forward to Game Branch
within 30 days of the completion of the project. THANK YOU!)

Project Title: _____

Project number: _____

GMU: _____

Project Coordinator (IF NOT APPLICANT): _____

Agency: _____

Address: _____

Phone: _____

Email: _____

Project Completion Date _____

COOPERATING AGENCIES AND/OR CONSERVATION GROUPS, LANDOWNERS, ETC.:

PROJECT ACCOMPLISHMENTS:

PROJECT RESULT ACTIONS:

(List practices implemented as a result of project, i.e. area rested from grazing for 2 yrs., season recommendations revised based on new distributions, data received from project, etc.)

COMMENTS ABOUT THE PROJECT:

(Please list updates, reports, concerns, suggestions)

MAINTENANCE/MONITORING SCHEDULE (from this point on): WHO and WHEN?

PHOTO: (Please attach)

MAIL COMPLETED PROJECT COMPLETION FORM TO:
AZ Game and Fish Department
Attn: Game Branch
5000 W. Carefree Highway
Phoenix, AZ 85086
rgregory@azgfd.gov