

INSTRUCTIONS FOR COMPLETING HABITAT PARTNERSHIP PROGRAM HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROJECT PROPOSAL FORMS

(To increase your chances of funding, please read and follow these instructions!)

All habitat enhancement and wildlife management project proposals should be submitted to the Game Branch on "Project Proposal" forms by **September 1**.

PROJECT INFORMATION

Project Title – A brief title describing the project. Include local names in title rather than generic terms.

Project Number: - A project administration number to be assigned by the Game Branch.

Project Type - Examples: Water development, mechanical thinning, prescribed burn, revegetation, predator control, transplant, etc. If more than one project type, list components.

Project Description – A brief description of the enhancement project.

Wildlife Species to Benefit – List big game species targeted and how they will benefit from the project.

Possible Funding Partners – DO NOT fill in. The Game Branch will list what organization(s) the proposal will be sent to.

Implementation Schedule - List month and year when project is expected to be initiated and completed.

PROJECT FUNDING

Special Big Game (SBG) Funds Requested - List amount of SBG funds requested. For multi-year funding requests, show annual amounts and grand total.

Cost Share Funds – List total of cost share funding to be included. List detailed description of cost share funding in the Itemized Use of Funds section of the proposal. List all matching funds and their source. In-kind, volunteer labor, hunter access all count. ORIGINAL COST OF EXISTING PROJECT DOES NOT QUALIFY AS MATCH!

Total Project Cost – Total of SBG funds and all matching/ partner funds.

PARTICIPANT INFORMATION

Applicant - Identify the specific contact person (the person most familiar with the project). Include address and telephone number. This individual must be authorized by his or her agency to receive and administer project money. **If a private individual, a Stewardship Agreement with the Arizona Game and Fish Department will be required.**

AGFD Contact – If the applicant is not AGFD personnel, the proposal should be coordinated with a representative of the AGFD.

Coordinated with - List land management agency personal, and /or private landowner consulted with when developing the proposal. The expectation is that coordination with other agencies occurs prior to project proposal submission.

Applicant's Signature – Applications may be submitted electronically to save time, however, a signed original must be sent to the Game Branch (address on application). Proposals must be signed by the agency or individual that will be responsible for completing the project and administering the funds.

DETAILED PROJECT INFORMATION

Need Statement/ Problem Analysis - What resource problems will be addressed by this project? What are the anticipated benefits to the wildlife resource?

Project Objective - List specific objectives. Examples:

- a) Improve water availability for antelope-elk-mule deer on critical winter range.
- b) Improve forage quality and quantity on mule deer winter range.
- c) Improve antelope fawn survival.
- d) Establish bighorn sheep into unoccupied sheep habitat.

Project Strategies - List specific actions that will be taken to achieve the project objective. Examples:

- a) Deepen and seal existing dirt tank with bentonite to improve water holding capability.
- b) Use agra axe to thin junipers on 500 acres of winter range.
- c) Remove coyotes from antelope fawning areas prior to fawn drop.
- d) Transplant 25 bighorn sheep.

Project Location – Provide legal description (township, range, section). It is advisable to attach a map with project site clearly marked. Include size, in acres, of habitat enhancement project, and land ownership at project site.

Land Ownership at Project Site – Very important! List landowner's name if private property. Private property projects require a Stewardship agreement and may also be eligible to receive funding from the Landowner Incentive Program.

Habitat Description – What are the major vegetative types and associations? Include average elevation.

Itemized Use of Funds – Important! Identify specifically how SBG funds will be used (helicopter \$5,000; Agra-Axe \$15,000; guzzler \$2,500; etc.). Also include itemized break down of cost share funding. Who will request payment, for what amounts, and for which project components? It is advisable to consult with possible vendors for accurate estimates of project costs.

List Cooperators and Describe Potential Participation – List cooperators who may provide materials, equipment, or labor.

Project Monitoring Plan - Identify what monitoring program exists or will be implemented to assess and quantify the results achieved by the project. Include both short term and long term monitoring.

Project Maintenance – If needed, who will provide maintenance for this project?

Project Completion Report to be Filed By – Who is responsible for the submitting the Project Completion Report?

Water Development Projects- Water Development Worksheet is to be completed and included only with water projects. List individual in Development Branch through which this project has been coordinated. **Water development projects must be coordinated with Joe Currie (602) 789-3867 or Ed Jahrke (602) 789-3482 prior to proposal submission.**

Tree Shear (Agra-axe) Projects – Costs vary from site to site. Terrain features such as excessive slope or rockiness will influence the overall cost. There are four vendors currently on contract and they are typically willing to visit the site and assist in determining cost.

REPORTING PROCEDURE

A Project Completion Report must be submitted within 30 days of project completion. This is a requirement for all funded projects. As applicable, photos or other graphic material may be requested.

Projects approved for funding, on which no action has been taken within 24 months of funding approval must be closed out and

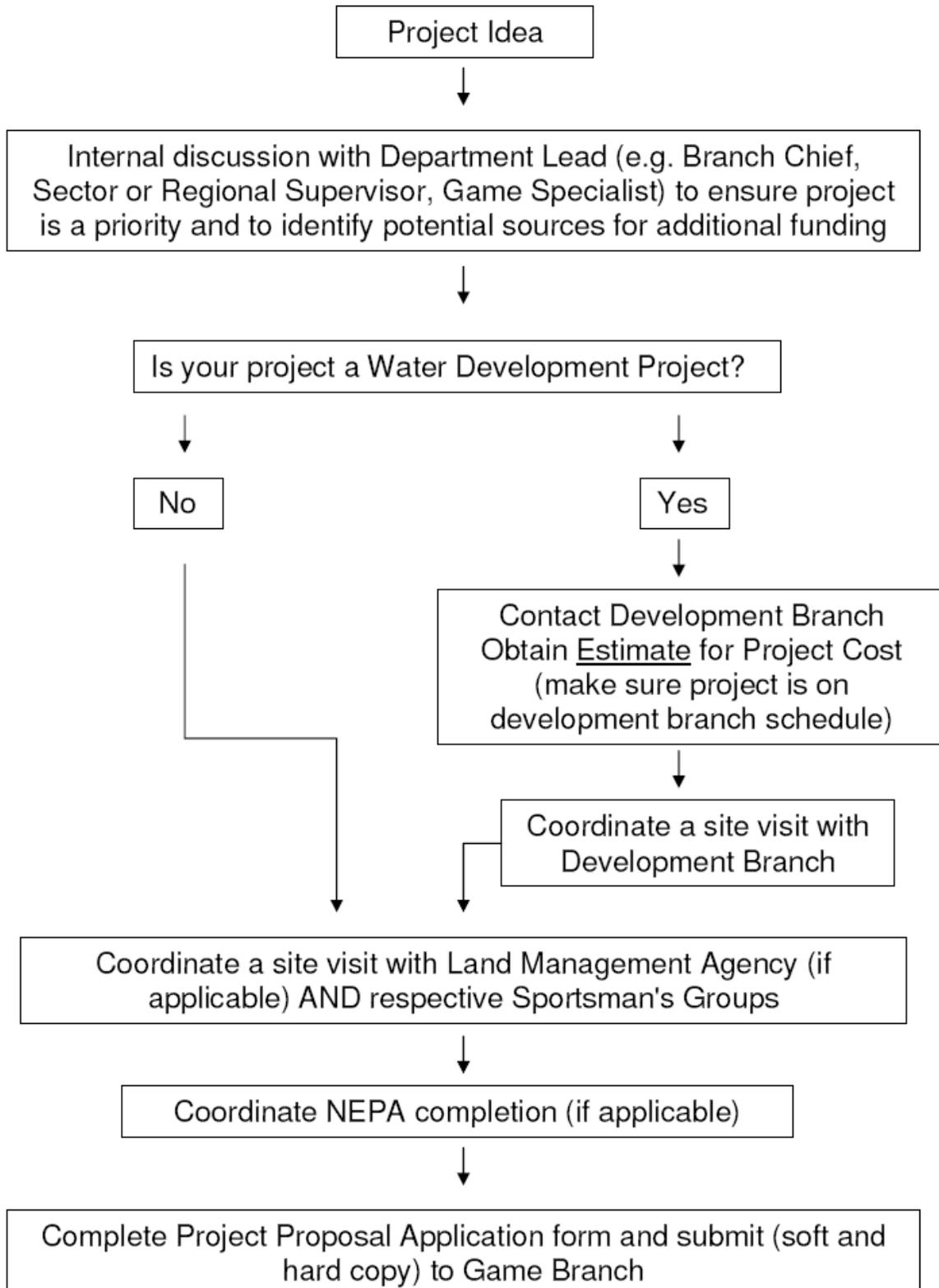
resubmitted, if desired. It is not necessary to complete the project within 24 months, however, any projects should at least be started within 24 months. A status report for all funded projects is due by August 31 of the year following funding approval. This step facilitates reporting to the funding partners.

PROCEDURE FOR SUBMITTING PROPOSALS

Proposals should be submitted to the Game Branch on or before September 1. Electronic copies are preferred with a signed hard copy sent via mail. For additional information contact:

Arizona Game and Fish Department, Game Branch
2222 W. Greenway Road
Phoenix, Az. 85023
(602) 789-3352
Fax (602) 789-3929
E-mail: rothompson@azgfd.gov

Project Flow Chart for proposals submitted through the Habitat Partnership Committee Process



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

PROJECT INFORMATION	
Project Title: Redevelopment of Catchments 748 and 749	Project No.
Region/GMU: 5/37B	HPC: Tucson
Project Type: Redevelopment of existing catchments	
Project Description: This project will be a complete redevelopment of wildlife water catchments 748 and 749 (Tortilla Mountains #1 and 2). The existing systems were installed in 1970 and have reached the end of their lifespan. The wood aprons on both systems have rotted out and their ability to collect water is limited. Each system should be redeveloped with a higher capacity 11,400 gallon fiberglass ring tank system utilizing a 24'x96' R panel collection apron to provide a perennial water source for deer, javelina and other wildlife in the area.	
Wildlife Species to Benefit: mule deer, Coues' deer, javelina, small game and nongame species	
Possible Funding Partners:	
Implementation Schedule: Beginning: September 1, 2008 Completed: June 30, 2010	NEPA Compliance: (if applicable) see attached Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Projected Completion Date:
PROJECT FUNDING	
SBG Funds Requested: \$39,037ea or \$78,074 for both	
Cost Share Funds: \$20,000ea or \$40,000 for both	
Total Project Costs: \$59,037ea or \$118,074 for both	
PARTICIPANT INFORMATION	
Applicant: Ben Brochu Telephone: (520) 229-3222	Address: Arizona Game and Fish Department 555 N. Greasewood Road Tucson, AZ 85745
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Joe Currie (AGFD), Darrell Tersey (BLM) and Rick Bader (livestock operator)	Date: 8-6-07, 2-26-07
Applicant's signature:	Date: September 1, 2008

SEND COMPLETED APPLICATIONS TO:
 Game Branch
 2221 W. Greenway Rd.
 Phoenix, AZ 85023

rothompson@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:

Catchments 748 (Tortilla Mountains #1) and 749 (Tortilla Mountains #2) were both constructed in 1970. They have reached the end of their lifespan and are in need of complete redevelopment. The wood/corrugated metal collection aprons on both systems have rotted away and their ability to collect water is limited. These catchments were both identified as priority catchments in the 2002 Wildlife Water Development Team Report. The closest perennial water source from catchments 748 and 749 is catchment 752, which was recently redeveloped, at respective distances of 2.8 and 2.5 miles over the crest of the Tortilla Mountains. Each system has a 5000 gallon capacity.

These catchments should be redeveloped with higher capacity systems to ensure water is available during critical dry months of the year especially during prolonged periods of drought. Also, redevelopment is necessary to provide a valuable and dependable perennial source of water for mule deer, Coues' deer and javelina. In providing a permanent water source for wildlife, local populations of deer and javelina may increase thereby potentially increasing hunter opportunity. The **NEPA** and **Arch clearances** have been completed (see the attached email form Darrell Tersey (BLM)).

PROJECT OBJECTIVES:

- To increase deer and javelina populations by providing dependable, long term, self-sustaining, quality water sources and by increasing the use of otherwise unavailable forage resources
- To increase hunter opportunity
- To install systems that have a long lifespan (40-50 years for storage and collection systems, 25 years for drinking troughs)
- To install systems that do not require supplemental hauling except in rare or exceptional circumstances
- To install systems that have minimal visual impacts and blend in with surrounding landscape
- To install systems that are accessible and that requires minimal routine maintenance
- To monitor the use of these waters using remote digital game cameras

PROJECT STRATEGIES:

Each project will be completed in one of three ways:

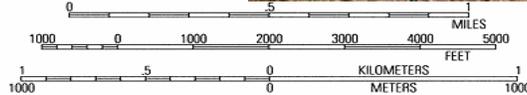
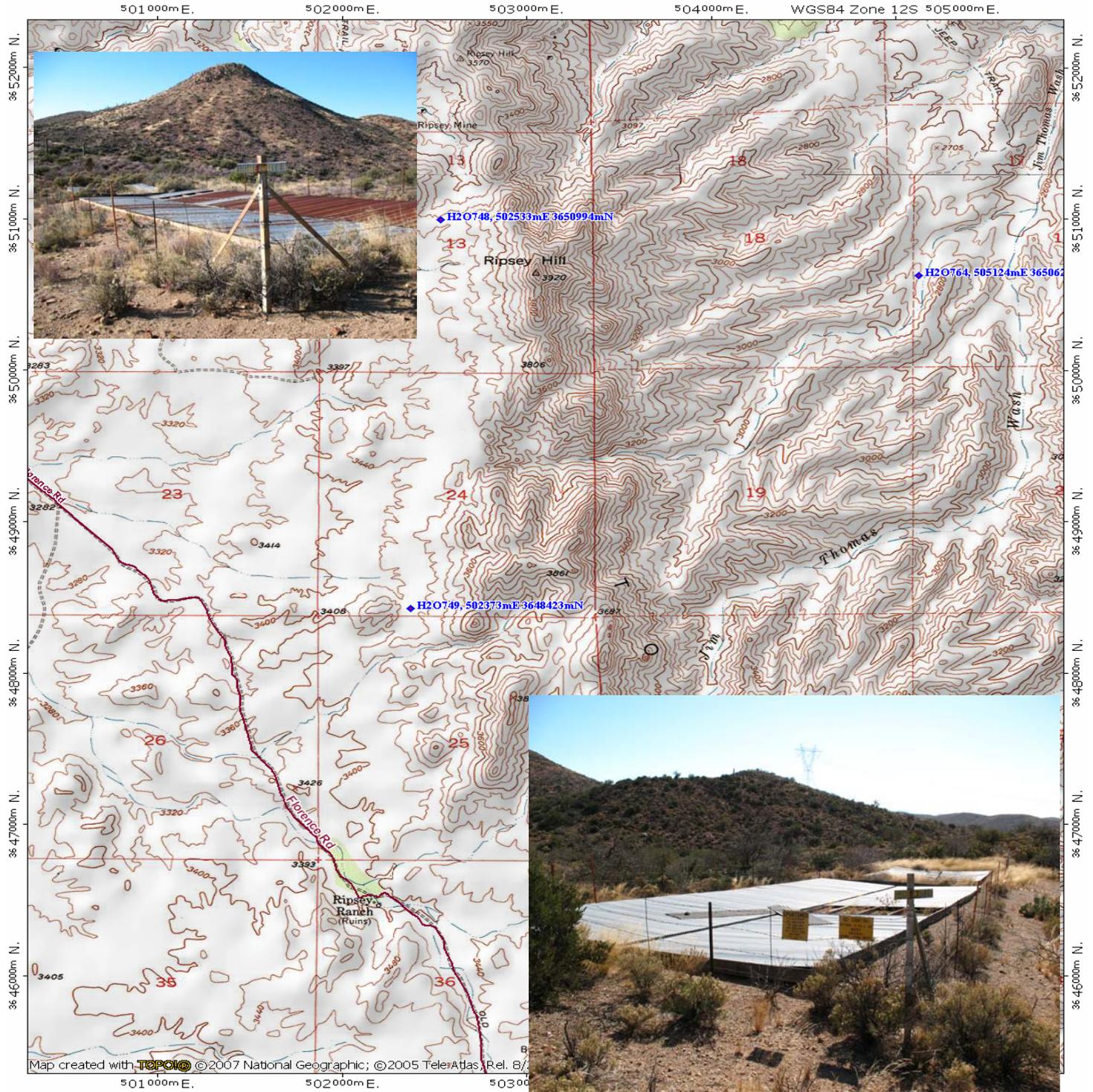
1. Utilize big game special tag funds, personnel from the Arizona Game and Fish Department Development Branch and approximately 15 volunteers to install both of the new systems.
2. Pending available big game special tag funds, projects could be contracted out at an increased cost. The total project would be completed in a fraction of the time.
3. Utilize big game special tag funds for the purchase of the system components. Pending availability and willingness, use donated volunteer heavy equipment (backhoe) and labor to build the systems. If donated backhoe is not available, one will be rented from Tucson and transported to and from the project site. Development Branch would only be responsible for supplying 1-2 people for project supervision and for transporting the required supplies and specialized equipment to the site. Nearly the entire project would be completed with volunteers.

PROJECT LOCATION:

Catchment 748 – UTM 502533mE, 3650994mN

Catchment 749 – UTM 502373mE, 3648423mN

TOPO! map printed on 08/19/08 from "37A & 37B Catchment Coord.tpo"



TN 11°
08/19/08

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and

(revised 7-02-2007)

provide landowner’s name):

The project site is on land administered by the Bureau of Land Management, Tucson Field Office, 12661 E. Broadway, Tucson, AZ 85748, (520) 258-6300.

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. Two main biotic community types, Sonoran Desertscrub and Semidesert Grassland, comprise the bulk of the habitat in 37B. Catchments 748 and 749 are located within the Jojoba-Mixed Scrub Series of the Arizona Upland Subdivision of the Sonoran Desertscrub community. Common vegetation includes jojoba (*Simmondsia chinensis*), foothill palo verde (*Cercidium microphyllum*), mesquite (*Prosopis spp.*), and desert hackberry (*Celtis pallida*). Average rainfall is approximately 13” and elevation is approximately 3480’.

ITEMIZED USE OF FUNDS:

Item	Dimensions	Cost	Cost Share	Funds Needed
2-3'x18' fiberglass ring tank (5700g each)	3'x18' each	\$15,418		\$15,418
24'x96' R panel apron	24'x96'	\$10,779		\$10,779
3'x4' walk-in standard trough	3'x4'	\$2,640		\$2,640
Wildlife "friendly" livestock exclosure fence	150'x150'	\$2,500		\$2,500
Plumbing		\$2,000		\$2,000
Tax @ 8.1%		\$2,700		\$2,700
Backhoe Rental for 1 week		\$1,500		\$1,500
Extra fuel for road work		\$1,000		\$1,000
Labor		\$20,000	AGFD, Volunteers	\$0
Total		\$58,537	\$20,000	\$38,537

- Digital game camera with lockable bear box - \$500ea

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

- AGFD Development Branch: acquire the materials and provide equipment and minimal labor for construction, also contracted out Arch clearances.
- Bureau of Land Management: NEPA requirements
- Rick Bader (livestock operator): supports the project
- Tucson Habitat Partnership Committee: coordinate project funding opportunities
- Public volunteers: to provide volunteer labor for the project

PROJECT MONITORING PLAN:

Remote digital cameras will be used to monitor density and frequency of wildlife water use during the months of May-July if cameras are available. This will enable the Wildlife Manager to make better informed decisions for the management of wildlife within GMU 37B.

Water levels will be monitored at least twice per year with emphasis during the warmer drier months by the

Wildlife Manager. Additional monitoring will be conducted as needed. Minor maintenance will also be conducted as needed by the Wildlife Manager. The AGFD Development Branch will be responsible for major maintenance issues.

PROJECT MAINTENANCE:

The maintenance of each catchment will continue to be the responsibility of the AGFD. The Wildlife Manager will be responsible for coordinating this.

PROJECT COMPLETION REPORT TO BE FILED BY:

Ed Jahrke, Joe Currie or Ben Brochu

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: Catchments 748 and 749 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 – 8-6-07
- 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: Catchment 752
Type of water source (catchment, spring, dirt tank, etc.): Catchment
Ownership of water source: AGFD
Distance in miles from project: 748 (2.8 miles) and 749 (2.5 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.**
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: Approx. hiking time:

-- Does access to this site require crossing private or tribal lands? YES NO

-- Please describe any restrictions to public access: There are currently no restrictions to public access.

*****NOTE*** - The roads into both sites are very rough and will require some maintenance with heavy equipment for 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.

<u>Item</u>	<u>Dimintions</u>	<u>Cost</u>	<u>Cost Share</u>	<u>Funds Needed</u>
2-3'x18' fiberglass ring tank (5700g each)	3'x18' each	\$15,418		\$15,418
24'x96' R panel apron	24'x96'	\$10,779		\$10,779
3'x4' walk-in standard trough	3'x4'	\$2,640		\$2,640
Wildlife "friendly" livestock exclosure fence	150'x150'	\$2,500		\$2,500
Plumbing		\$2,000		\$2,000
Tax @ 8.1%		\$2,700		\$2,700
Backhoe Rental for 1 week		\$1,500		\$1,500
Extra fuel for road work		\$1,000		\$1,000
Labor		\$20,000	AGFD, Volunteers	\$0
Total		\$58,537	\$20,000	\$38,537

10) Was a site visit completed? Yes No

Joe Currie on 8-6-07 and Darrell Tersey (BLM) on 2-26-07.

From: Darrell_Tersey@blm.gov [mailto:Darrell_Tersey@blm.gov]
 Sent: Tuesday, February 12, 2008 11:44 AM
 To: Ben Brochu
 Cc: John Windes
 Subject: Re: Tortilla Mountains Water Catchments - #748, 749, and 764

Hi Ben,
 Sorry to take so long to reply to you. I did check on the NEPA documentation for the projects. All of the projects were covered by the Middle Gila HMP, which is a cooperative plan between the BLM and the AG&F Dept. Part of the plan was an EA covering all of the projects which at the time were either new proposals or redevelopments. The development up hackberry wash is actually a horizontal well development and I have all of the project files, including as-built drawings. I would think that either the Tucson office or the Phoenix office would have a copy of the HMP as it was signed by Bud Bristow when he was director of the department. If you can't find one, I could probably copy the EA out of this one for your records.

Darrell Tersey
 Natural Resource Specialist
 Ironwood Forest National Monument
 (520) 258-7218
 Darrell_Tersey@blm.gov

ARIZONA GAME AND FISH DEPARTMENT
TREE SHEARING WORKSHEET

PROJECT NAME: _____

- 1) **What is the estimated acreage of the project?**

- 2) **How are the trees going to be cleared? (agra axe, chain saw, push):**

- 3) **What is the estimated number of trees per acre?**

- 4) **Describe trees to be cleared (species, estimated diameter, single stem, multi-stem):**

- 5) **Describe terrain (slope, soil type, rocks, etc.)**

- 6) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**

- 7) **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

Is the site relatively accessible for tree shearing equipment? _____YES ___NO

Please describe any restrictions to public access:

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:

**Game Branch
Arizona Game and Fish Department
2221 W. Greenway Road
Phoenix, AZ 85023
rothompson@azgfd.gov**