

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

PROJECT INFORMATION	
Project Title: Game Catchment 676 Supplemental Water Line	Project No. 10-501
Region/GMU: 5/37A	HPC: Tucson
Project Type: Cooperative Water Development Project with Rancher	
Project Description: This project will install a .75 mile waterline to game catchment 676. 676 has a history of drying up in the critical summer months. Catchment 676 is the only perennial water source in the area and wildlife rely heavily on it. By installing a .75 mile waterline to 676 it can be easily filled with a turn of a valve, and utilize a 13 mile waterline and 24,000 gallons of storage from the CAP canal.	
Wildlife Species to Benefit: mule deer, bighorn sheep, javelina	
Possible Funding Partners:	
Implementation Schedule: Beginning: September 1, 2010 Completed: December 31, 2012	NEPA Compliance: (if applicable) Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Projected Completion Date: N/A
PROJECT FUNDING	
SBG Funds Requested: \$2,890	
Cost Share Funds: \$3960 (Kile Family) + \$2890 (AGFD) = \$6,850	
Existing 14 miles valued at approximately \$169,285	
Total Project Costs: \$6,850	
PARTICIPANT INFORMATION	
Applicant: Matthew Kile Telephone: 520-251-3006 520-251-1728	Address: P.O. Box 111 Picacho, AZ 85241
AGFD Contact and Phone No.	
(If applicant is not AGFD personnel) Bob Lemons (520) 877-4360	
Coordinated with: Ed Kile (Mammoth Wash Ranch), Alicia Phipps (NRCS), Darrell Tersey (BLM)	Date: 8/20/10
Applicant's signature:	Date: September 1, 2010

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?

The primary pipeline supplying the water, not the 0.75 mile proposed, was submitted and funded in 2009.

NEED STATEMENT/PROBLEM ANALYSIS:

To provide game catchment 676 with a reliable perennial source of water. Catchment 676 is in need of redevelopment. The installation of this pipeline will provide this catchment and the new system, once redeveloped, with a permanent source of water. There is no reliable water source within 3 miles for wildlife.

PROJECT OBJECTIVES:

- To increase deer and javelina populations by providing dependable, long term, self-sustaining, quality water sources on a landscape scale and by increasing the use of otherwise unavailable forage resources
- To increase hunter opportunity
- To improve relations with the ranching community

PROJECT STRATEGIES:

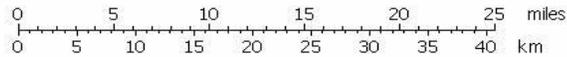
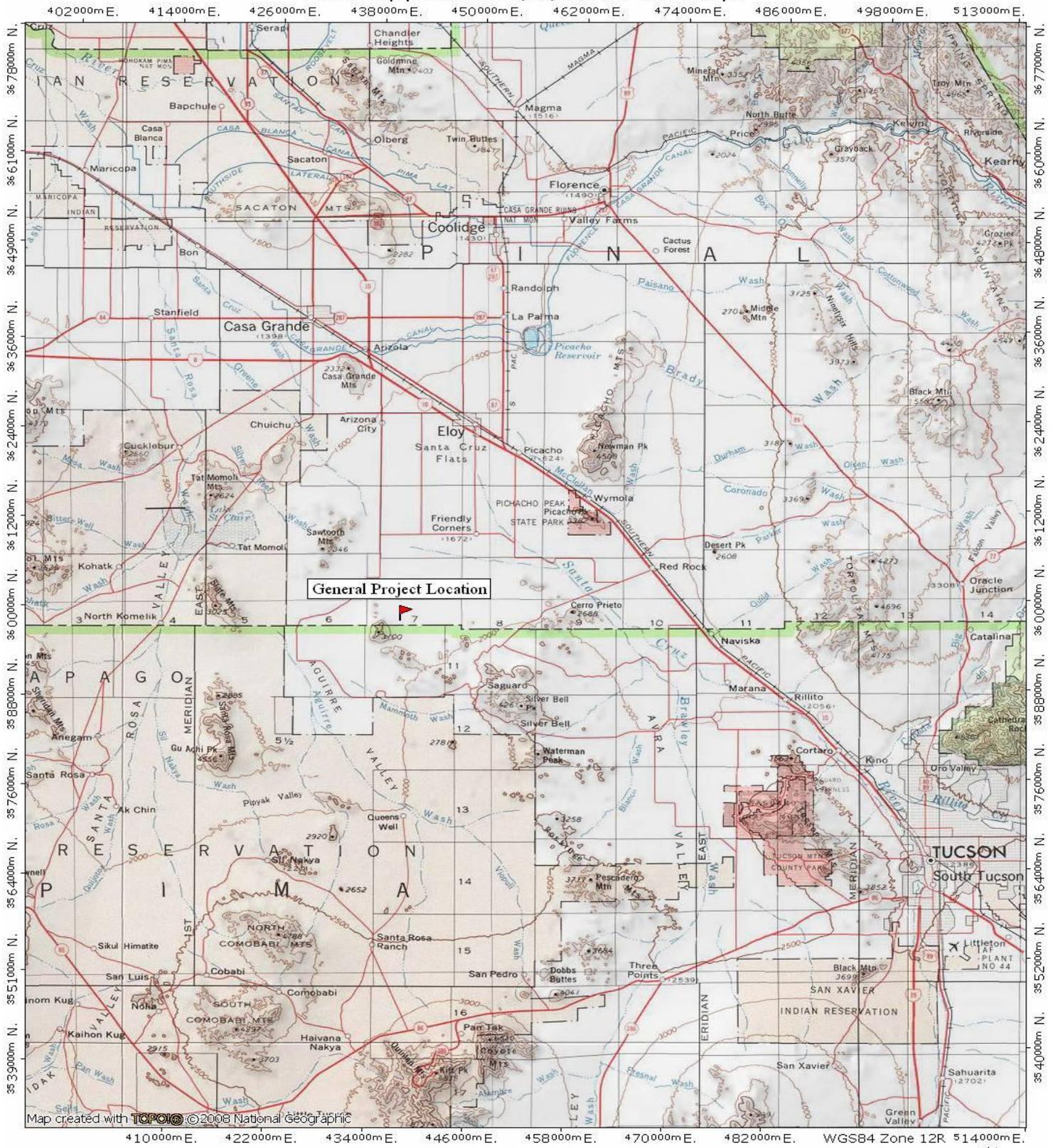
Provide reliable water supply by installing waterline to game catchment 676. The Mammoth Wash Ranch (Kile Family) will install and maintain all aspects of the project.

- AGFD – Cost-share the pipeline for the project
- NRCS – Mapping and engineering requirements for the project.
- BLM - Process all environmental compliance documents for the project.

PROJECT LOCATION:

The project is located northwest of Tucson and south of Casa Grande in Game Management Unit 37A.
- See maps on next two pages for specific locations

TOPO! map printed on 08/26/09 from "Untitled.tpo"



08/26/09

(revised 7-02-2007)

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

The project site is on land administered by the Bureau of Land Management, Tucson Field Office and is within the Ironwood Forest National Monument.

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

The project is not located on private property, however, a stewardship agreement does exist with the Kile family.

HABITAT DESCRIPTION:

Game management unit 37A is located in Pima and Pinal Counties, Arizona, west of Tucson and south of Phoenix. Two main biotic community types, Sonoran Desertscrub and Semidesert Grassland, comprise the bulk of the habitat in 37A. The proposed project is located in the Sonoran Desertscrub community. Common vegetation includes foothill palo verde (*Cercidium microphyllum*), mesquite (*Prosopis spp.*), saguaro (*Carnegiea gigantea*), ocotillo (*Fouquieria splendens*), and triangle-leaf bursage (*Ambrosia deltoidea*). Average rainfall is approximately 10-13" and elevation is approximately 1700'.

ITEMIZED USE OF FUNDS:

Item	Quantity	Est. Cost/Item	Total Est. Cost	Total Kile Family Cost Share	AGFD
200 psi pipe	3960'	\$1.73/foot installed	\$6,851	\$3,960	\$2,890
Troughs	0.0	\$0.0	\$0.0		
Storage Tanks	0.0	\$0.0	\$0.0		
Total			\$6,851	\$3,960	\$2,890

Note: The estimated costs/item are current NRCS estimates

Note: Below is an estimated value of the existing 13.5 mile segment of pipeline using current NRCS cost figures.

Item	Quantity	Est. Cost/Item	Total Est. Cost
200 psi pipe	71,240	\$1.73/foot installed	\$119,125
Troughs	11,000	\$1.32/gallon	\$14,520
Storage Tanks	36000	\$1.32/gallon	\$47,520
Total			\$181,165

Total Cost Share = Existing (\$169,285) + New (\$3,960) =\$173,245

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

- Mammoth Wash Ranch (Kile Family) – Install and maintain all aspects of the project.
- AGFD – Cost-share the pipeline for the project
- NRCS – Mapping and engineering requirements for the project.
- BLM - Process all environmental compliance documents for the project.

PROJECT MONITORING PLAN:

The Kile family will monitor this pipeline and associated drinkers.

PROJECT MAINTENANCE:

The maintenance of this project will be the responsibility of the Kile family.

PROJECT COMPLETION REPORT TO BE FILED BY:

Bob Lemons

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: Game Catchment 676 Supplemental Water Line

- 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.**
N/A
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
___2-4 ___4-6 ___6-8 __X__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) __X__NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**
Name of water source:
Type of water source (catchment, spring, dirt tank, etc.):
Ownership of water source:
Distance in miles from project:
- 6) **Is the target wildlife species a result of transplant efforts?** ___YES __X__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.**
Yes, Ironwood Forest National Monument
- 8) **Please provide the following information about access to the proposed site:**
Type of access (mark one): __X__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 __X__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.**

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10) Was a site visit completed? Yes No

A site visit was scheduled with Wildlife Manager Bob Lemons in 08/2010

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