

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

PROJECT INFORMATION

Project Title: Camp Navajo Wire Pickup, Wildlife Entanglement Minimization	Project No.
Region/GMU: Region 2 / Unit 6B	HPC: Flagstaff / Williams
Project Type: Collection of waste wire	
<p>Project Description: This project would involve the collection of waste wire around Camp Navajo. Camp Navajo is a 28,000 acre military facility 11 miles west of Flagstaff that is open to the public for hunting. Although the vast majority of the installation is undeveloped, numerous pasture and security fences have been constructed and abandoned since the installation was developed in 1942. It was also a common practice to spread communications wire during training exercises. Much of this “commo” wire remains on the ground today. This project would involve the collection and recycling of such wire. In recent years several (1-3) ungulates have become entangled in such wire on an annual basis. An environmental assessment checklist was determined to be unnecessary for this project because of the minimal impacts to habitat, species of concern, cultural resources or other environmental parameters.</p> <p>Wildlife Species to Benefit: Elk (50%) Mule Deer (25%), Pronghorn (25 %). The benefit derived is the reduction of mortality and injury caused by entanglements.</p>	
Possible Funding Partners:	
<p>Implementation Schedule: Beginning: May 1, 2007 Completed: July 1, 2007</p>	

PROJECT FUNDING

SBG Funds Requested: \$15,000
Cost Share Funds: \$15,000 (National Guard Bureau – Federal)
Total Project Costs: \$30,000

PARTICIPANT INFORMATION

<p>Applicant: Thomas Parker <small>(please print)</small> Telephone: (928) 773-3318</p>	<p>Address: Camp Navajo Arizona Dept. of Emergency & Military Affairs PO Box 16123 Bellemont, AZ 86015</p>
<p>AGFD Contact and Phone No. (If applicant is not AGFD personnel) Lee Luedeker (928) 774-5045</p>	
Coordinated with:	Date:

Applicant's signature:	Date:
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SEND COMPLETED APPLICATIONS TO:

**Game Branch
2221 W. Greenway Rd.
Phoenix, AZ 85023
mdisney@azgfd.gov**

NEED STATEMENT/PROBLEM ANALYSIS:

Camp Navajo contains quality elk habitat occupied by a substantial elk herd (an approximate average of 400 individuals have been counted in recent annual aerial surveys). Resource management on the base supports hunting opportunity for elk, deer, pronghorn, and turkey. The hunting program has proven to be compatible with the installation's military missions (troop training and munitions storage). Approximately 30% of big game permits on Camp Navajo are available to the general public. Camp Navajo's resource program has supported significant research projects to characterize habitat use patterns and travel/migration corridors for elk, pronghorn and turkey as well as extensive sensitive species surveys and non-game projects. This project seeks to remove an identified hazard to game species on the installation.



Camp Navajo also provides habitat connectivity with other areas of unit 6B. Much of the calving grounds for elk that winter in Sycamore Canyon are within Camp Navajo as are much of the pronghorn fawning areas for pronghorn that migrate in fall and winter to Garland Prairie and southward in snowy winters to the Paulden Area.

PROJECT OBJECTIVES:

The primary objective of this project is to minimize the amount of waste wire distributed across Camp Navajo, thereby minimizing the risk of wildlife entanglement.

The object of the initial phase is to manually treat 3000 acres in the west-central portion of the Limited Area which occupies the central, restricted-access core of the installation (project centered on Lat. 35 degrees, 12 minutes; Long. 111 degrees, 52.5 minutes).

Follow-up treatments on additional transects will be scheduled as evaluation and feasibility dictate.

PROJECT STRATEGIES:

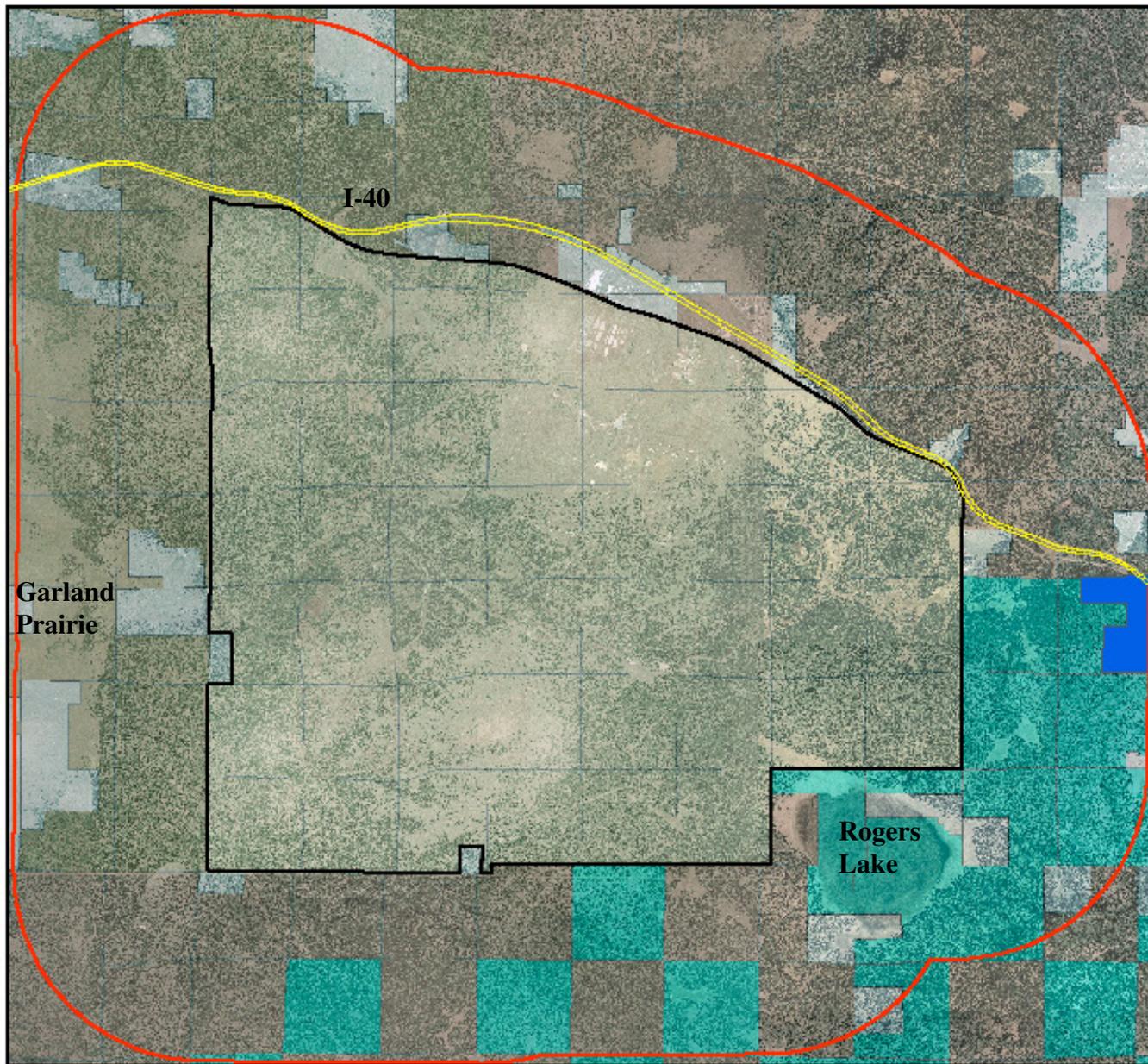
Coconino Rural Environment Corps (CREC) crews will traverse transects within the project area at 50 yard spacing. If wire is encountered, crew members will determine whether the wire can be pulled and consolidated quickly. If so, transects will continue after wire consolidation. When larger amounts of wire are encountered, GPS units will be used to mark the spatial location for later consolidation and retrieval.

Cultural resources clearance will be completed prior to project initiation. The AZDEMA cultural resources manager is currently analyzing which fence segments have historical value and will seek concurrence from the State Historic Preservation Office that no historic properties will be adversely affected by this project.

PROJECT LOCATION:

Camp Navajo occupies 28,000 acres west of Flagstaff and south of Interstate 40. Elevation ranges from 6900 feet at the exit of Volunteer Canyon from the installation to 8,050 feet on Volunteer Mountain. Ponderosa pine forest dominates the landscape with a large central prairie dominated by an Arizona fescue/blue grama association. Mixed conifer forest occurs on the north slope of Volunteer Mountain and an unusual spruce-fir/bunch grass savannah occupies the Canyon area in the south-central portion of the installation. Ponderosa pine/Gambel oak and ponderosa pine/alligator juniper forests add diversity to the sites on the south and west sides of the base. The diversity of plant communities and the absence of livestock competition provide quality warm-season game habitat.

The proposed project location is the west side of the "Limited Area", a restricted access area in the center of the base which has excellent elk foraging habitat. Because of the nature of the munitions stored in this area, the Limited Area is only accessible to personnel with US Government security clearances, commissioned law enforcement officers, and a limited number of government employees (this area is not suitable for volunteer work projects).



Camp Navajo Adjacent Land Ownership



Legend

- CN Boundary
- 2 mile buffer
- Land Owner**
- Private
- State
- KNF
- CNF
- DOD
- NOFS
- I-40

1:85,000



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

The Arizona Department of Emergency and Military Affairs (AZDEMA) is an Arizona State Agency comprised of the Arizona Army National Guard, Arizona Air National Guard and the Department of Emergency Management. Camp Navajo is owned by the Department of Defense and leased by the Arizona Army National Guard. The Arizona Army National Guard operates Camp Navajo consistent with the primary missions of military and civilian contract storage and a growing commitment to military personnel training.

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

HABITAT DESCRIPTION:

Camp Navajo habitat to be treated is primarily composed of ponderosa pine/ Gambel Oak forest with a grass understory (e.g. Arizona fescue, blue grama) interspersed with grassy openings and a large grassy prairie in the center of the installation (Volunteer Prairie). Average elevation is approximately 7,000 feet above sea-level .

ITEMIZED USE OF FUNDS:

Camp Navajo Wire Pickup- Wildlife Entanglement Minimization

BUDGET ANALYSIS

COOPERATOR AND PROJECT COMPONENT	COST-SHARE DOLLARS AVAILABLE	SBG FUNDS REQUESTED
Arizona Game and Fish Department (SBG Funds) <ul style="list-style-type: none"> Coconino Rural Environment Corps (CREC) hand crews to collect and consolidate wire for recycling (8 person hand crews X 3 weeks @ \$4,800/wk) 		\$14,400
Arizona Dept of Emergency and Military Affairs <ul style="list-style-type: none"> Coconino Rural Environment Corps (CREC) hand crews to collect and consolidate wire for recycling (8 person hand crews X 3 weeks @ \$4,800/wk) AZDEMA cultural resource clearance 	\$14,400	
Totals:	\$14,400	\$14,400

Total Project Cost: \$28,800

Ratio Of Cost-Share Dollars : SBG Funds = 1 : 1

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Game and Fish Department – Special Big Game Funds

- Provide funding for CREC hand crews to collect waste wire
- Provide in-kind contributions in the form of labor for project origination, and project coordination

Arizona Department of Emergency and Military Affairs

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- Provide in-kind contributions in the form of labor for project origination, and project coordination.

PROJECT MONITORING PLAN:

The Arizona Department of Emergency and Military Affairs project manager will ensure project completion with coordination with Arizona Game and Fish Department.

This area will be surveyed by the Arizona Game and Fish Department and will be monitored for wildlife use.

PROJECT MAINTENANCE:

PROJECT COMPLETION REPORT TO BE FILED BY:

Lee Luedeker AZGFD

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: _____

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
- 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:
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 ___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.**
- 10) **Was a site visit completed?** ___ Yes ___No
If Yes, please list personnel that attended and date.

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**

mdisney@azgfd.gov