

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

PROJECT INFORMATION	
Project Title: Fence Improvements for House Rock Valley Pronghorn	Project No. 11-202
Region/GMU: Region II / GMU 12B	HPC:
Project Type: Fence improvement	
Project Description: Volunteers will modify six miles of fence in House Rock Valley to meet game standards by replacing barbed wire with smooth wire, ensuring the lowest wire is at the proper (18") height, and by clearing vegetation and sand obstructions where feasible. Wildlife Species to Benefit: American pronghorn will have improved ability to move across fence lines to evade predators and access water, forage, and habitat cover.	
Possible Funding Partners:	
Implementation Schedule: Beginning: March 2012 Completed: October 2013	NEPA Compliance: (if applicable) Completed: Yes ___ No ___ Projected Completion Date: N/A
PROJECT FUNDING	
SBG Funds Requested: \$ 3,400	
Cost Share Funds: \$46,000	
Total Project Costs: \$49,400	
PARTICIPANT INFORMATION	
Applicant: Christine Albano, Grand Canyon Trust (please print) Telephone: 928-774-7488	Address: 2601 N Fort Valley Rd. Flagstaff, AZ 86001
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	Tom McCall, Game Specialist, Region 2 928-214-1248
Coordinated with: Bureau of Land Management	Date:
Applicant's signature:	Date:

SEND COMPLETED APPLICATIONS TO:

**Game Branch
AZ Game and Fish Dept.
5000 W. Carefree Highway
Phoenix, AZ 85086**

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES _____ NO X _____

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?

No.

NEED STATEMENT/PROBLEM ANALYSIS:

Arizona Game and Fish Department's 2007 Pronghorn Management plan identifies fences that do not meet game standards as one of the major management concerns for GMU 12B, which includes House Rock Valley. Lack of pronghorn friendly fences in this area is one possible reason that the pronghorn population is below its potential in this area. Before future translocations are implemented in this area, the Department believes that current fencing issues should be corrected.

In 2005 and 2006, the BLM and Grand Canyon Trust, which holds the livestock grazing permits for the majority of the area, conducted independent surveys of fence suitability for pronghorn movement in House Rock Valley. There were many problems identified with the fences, including vegetation and sand obstructions and barbed wire strung well below the 18" standard height, making them impassable by pronghorn. The attached map depicts these problem areas. In 2010, Grand Canyon Trust volunteers and ranch staff adjusted three miles of fence to meet game standards for pronghorn. The proposed project will continue this fence improvement work, in turn facilitating predator evasion and increased access to water, habitat cover, and forage by pronghorn.

PROJECT OBJECTIVES:

- Improve pronghorn access to water, habitat cover, and forage.
- Improve pronghorn survival.
- Build awareness of wildlife habitat needs by engaging a wide variety of constituents in project implementation.

PROJECT STRATEGIES:

- Modify six miles of fence to meet game standards by replacing barbed wire with smooth wire, ensuring the lowest wire is at the proper (18") height, by clearing vegetation and sand obstructions where feasible, and by removing unnecessary fences, if opportunities arise.
- Recruit volunteers through the Arizona Antelope Foundation and other sportsmen groups, from the Grand Canyon Trust volunteer network, Americorps members, and from local educational institutions to complete the project.

PROJECT LOCATION:

House Rock Valley, AZ. Work will occur in T36N R4E, T37N R4E, T38N R4E, T37N R5E and T38N R5E. See attached map depicting problem areas identified in surveys and locations of proposed work.

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? N/A

HABITAT DESCRIPTION:

House Rock Valley ranges in elevation from 3500 to 5500 ft. Vegetation types include Colorado Plateau Shrublands, Inter-Mountain Basins Semi-Desert Shrub Steppe, Inter-mountain Basins Mixed Salt Desert Scrub, and Intermountain Basins Semi-Desert Grassland.

ITEMIZED USE OF FUNDS:

Smooth wire	\$1800 (6 miles @ \$300/mile)
Tie wire	\$200
Fence pliers	\$200
Fence stretchers	\$200
Transportation	\$1000
In-Kind Volunteer Coordinator Salary	\$5000
In-Kind Food	\$3000
In-Kind Volunteer Labor	\$38,000 (2000 volunteer hours @ \$19/hr)

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Game and Fish Dept. will provide project guidance and priorities.

Bureau of Land Management will provide some project oversight and potentially fencing supplies.

Arizona Antelope Foundation may provide volunteers from their constituency group.

Americorps National Civilian Community Corps may sponsor GCT with a crew to help complete this work.

PROJECT MONITORING PLAN:

Over the short- and long- terms, fences will be monitored on an annual basis by ranch staff to ensure functionality. Pronghorn locations and numbers will be monitored through annual aerial surveys completed by AZGFD staff.

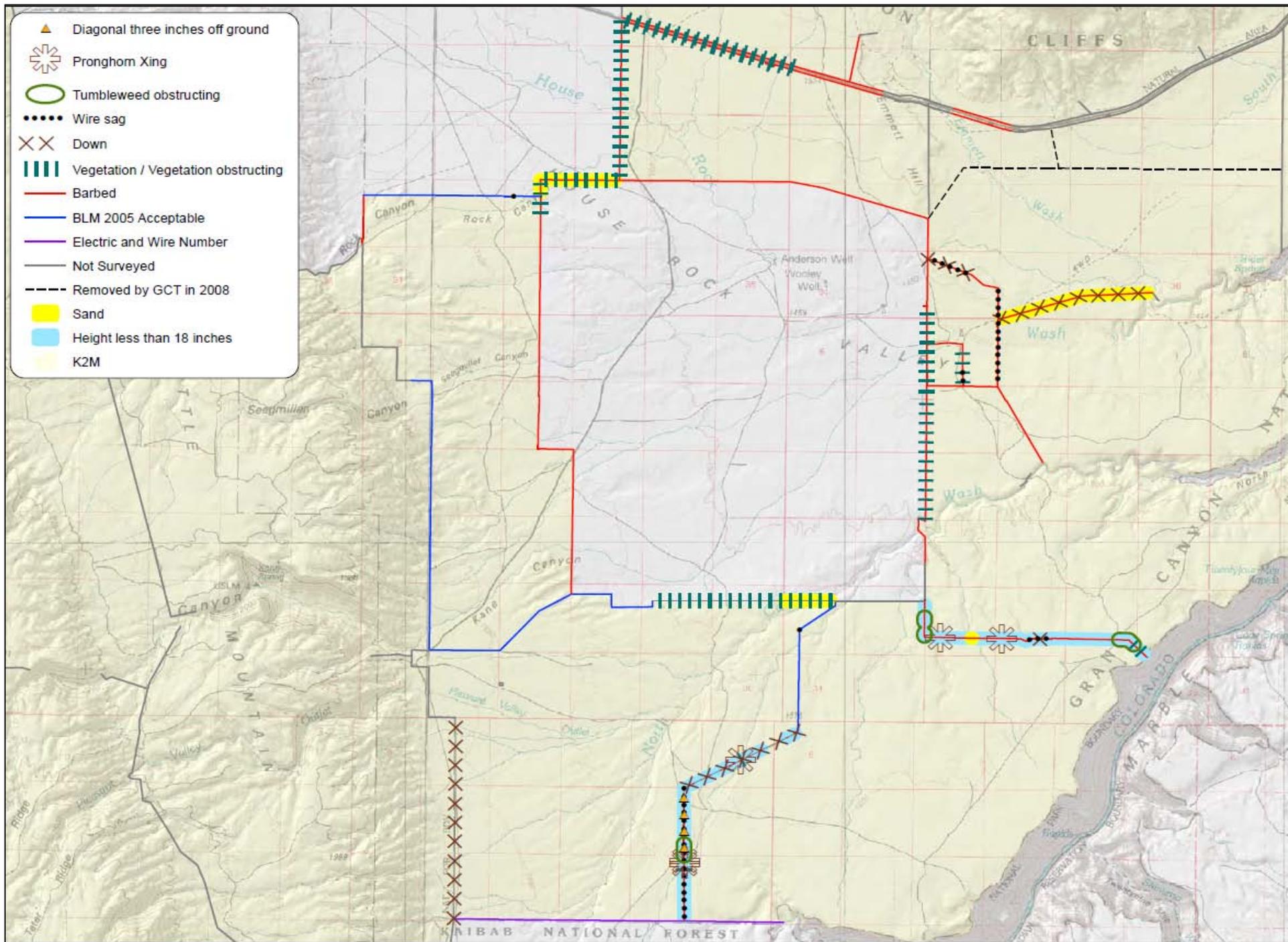
PROJECT MAINTENANCE: Fences will be maintained by North Rim Ranch (a subsidiary of Grand Canyon Trust) staff.

PROJECT COMPLETION REPORT TO BE FILED BY: Christine Albano, Grand Canyon Trust.

WATER DEVELOPMENT PROJECTS (see attached worksheet):

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):

Map Showing Fence Problem Areas in Western House Rock Valley, south of Vermilion Cliffs and north of the AZGFD Buffalo Ranch



(revised 7-02-2007)

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
5000 W. Carefree Highway
Phoenix, AZ 85086**