

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

Game Branch / HPC Project Number:	11-514
Possible Funding Partners:	

PROJECT INFORMATION

Project Title: Jackson Cabin-Walnut Spring Improvement

Region and Game Management Unit: Region 5 / GMU 32

Local Habitat Partnership Committee (LHPC):

- Safford HPC

Was the project presented to the LHPC?

YES[X] NO[]

Has this project been submitted in previous years? YES[] NO[X]

If Yes, was it funded? YES[] NO[] → **HPC Project #:**

Project Type: Water / Spring Improvement

Brief Project Summary:

Replace old existing rock/masonry storage compartment with hard plastic storage tank and install a ground level wildlife drinker.

Big Game Wildlife Species to Benefit: Gould's Turkey (40%), White-tailed deer (40%), Black bear (20%)

Implementation Schedule (Month/Day/Year):

Project Start Date: October 2012

Project End Date: October 2014

Environmental Compliance:

NEPA Completed: YES[] No[] N/A[X]

Projected Completion Date: _____

State Historic Preservation Office - Archaeological Clearance:

YES[] No[] N/A[X]

Projected Completion Date: _____

Arizona Game and Fish Department EA Checklist: N/A[]

To be Completed by: John Bacorn

Projected Completion Date: May 2012

PROJECT FUNDING

Special Big Game License Tag Funds Requested: \$4,000.00

Cost Share or Matching Funds: \$1,500.00

Total Project Costs: \$5,500.00

PARTICIPANT INFORMATION

Applicant (please print):

John Bacorn

Address:

AZ Game and Fish Dept
555 N. Greasewood Road
Tucson, AZ 85705

E-mail:

jbacorn@azgfd.gov

Telephone: 520-591-1485

Date: July 18, 2011

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

Project has been coordinated with:

Safford HPC, US Forest Service Personnel: Anne Casey (Wildlife Biologist) and Chuck Duncan (Range).

NEED STATEMENT – PROBLEM ANALYSIS:

The Galiuro Mountain Range is a fairly dry mountain range with few reliable water sources. It is believed that water is a limiting factor for many wildlife species in many areas of the Galiuro Mountains.

Currently at the project site is a Forest Service Cabin (available for public use), barn, corral and an old unreliable rock/masonry water storage tank. A new pipeline was installed from Walnut Spring to the rock/masonry storage approximately 6-8 years ago but the storage leaks and does not hold water year round especially during the summer months when water is most critical to wildlife. There is a plastic horse trough adjacent to the storage but most often does not contain water or the water within the horse trough is inaccessible to some wildlife species such as turkeys. The rock/masonry storage compartment has an open top and water is lost from leaks and evaporation.

NEPA and Archaeological Clearance will not be needed according to USFS personnel because this is an existing improvement; as long as the project does not exceed the original “footprint” of the existing improvement.

PROJECT OBJECTIVES:

Replace unreliable rock/masonry storage tank with hard plastic storage tank and ground level wildlife/turkey drinker to provide a reliable water source for wildlife. The existing old rock storage tank does not hold water and would be too costly to repair. A new plastic storage tank would be much more dependable. The turkey trough is designed to be set in the ground with a ground level drinking trough. It has an enclosed float valve system that can be secured with the lid and a lock.

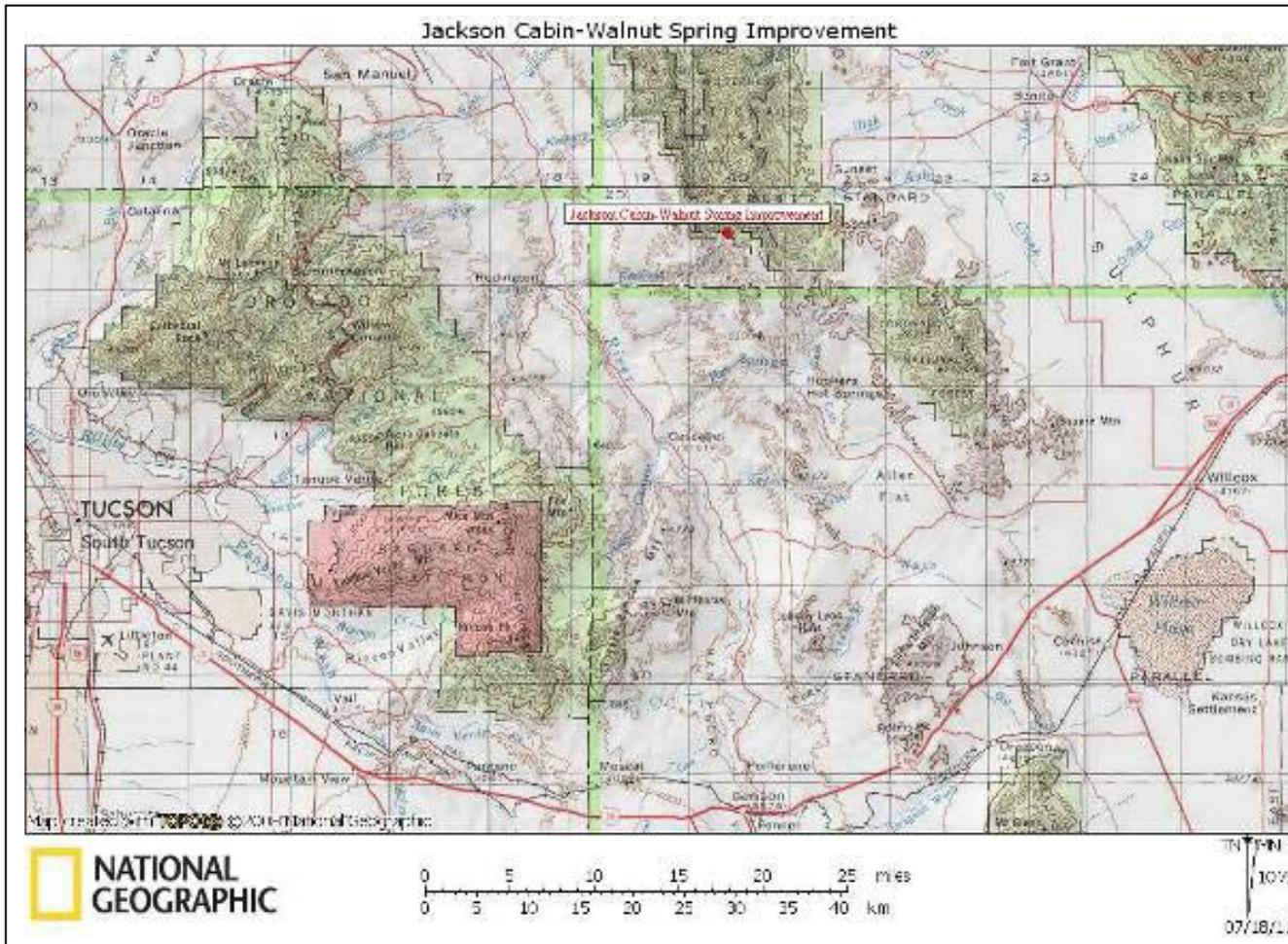
Cattle are not grazed in this FS allotment, therefore a fence enclosure will not be necessary and the water will be used exclusively by wildlife and occasionally by horseback riders.

PROJECT DESCRIPTION AND STRATEGIES:

- 1) Place 2000-2500 gallon hard plastic storage tank inside existing rock/masonry storage compartment (for esthetic purposes and convenience). A similar project was completed at the Swamp Springs Windmill on the Muleshoe Ranch enroot to the Jackson Cabin site.
- 2) Connect existing water line from Walnut Spring to new dependable storage tank.
- 3) Install ground level wildlife/turkey trough adjacent (within 8- 10 feet) to the storage tank.
- 4) May require replacement of some of the existing water line.

PROJECT LOCATION:

The project is located in AGFD Region V, GMU 32 in Jackson Canyon on Coronado National Forest Service lands on the southern end of the Galiuro Mountains (SE ¼ of Section 16, R20E, T11S) approximately ¾ mile from the Galiuro Wilderness boundary.



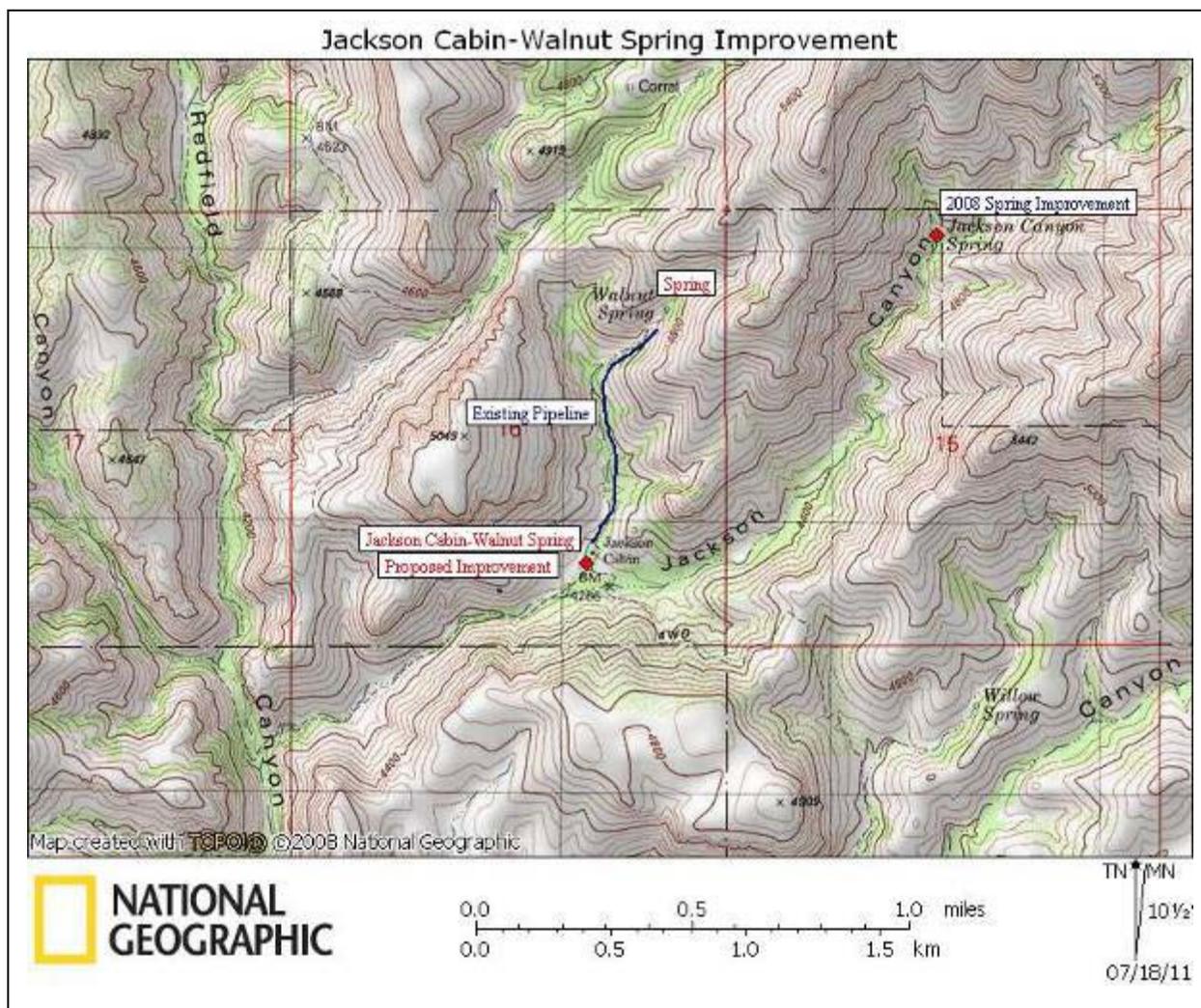


Photo 1. Forest Service nonfunctioning rock/concrete water storage tank.



Photo 2. Forest Service rock/concrete water storage tank.



Photo 3. Current plastic water trough used as storage and drinker.



Photo 4. Manufactured Turkey Drinker



Photo 5. Installed Turkey Drinker at Collins Canyon U35B.



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

US Forest Service

HABITAT DESCRIPTION:

Elevation at the project site is 4300 feet and surrounding peaks range from 5000 to 5200 feet. Predominately the habitat at the project site is evergreen woodland/chaparral community with scattered pine trees in the bottom of the canyons and more of a semi-desert shrub on the ridges and peaks.

ITEMIZED USE OF FUNDS:

1) 2500 gallon storage tank	\$3,000.00
2) Turkey drinker/trough	\$650.00
3) Misc fittings, plastic pipe etc	\$350.00
4) Labor	\$1,500.00
Total	\$5,500.00

Special Big Game License Tag Funds

White-tailed Deer, Turkey and/or Bear....\$4,000

Cost Share or Matching Funds

Labor to be provided by Forest Service employees, Boy Scout Volunteers and/or Sportsman's Group volunteers....\$1,500

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Labor for installation of project will include US Forest Service Personnel, AGFD personnel and volunteers from the Southeastern Arizona Sportsman's Club and/or Boy Scouts.

PROJECT MONITORING PLAN:

Monitoring will occur periodically throughout the year by US Forest Service personnel and AGFD personnel on an as needed basis. Personnel from one of these agencies routinely visit the site area several times a year.

PROJECT MAINTENANCE:

Maintenance will occur on an as needed basis by US Forest Service and/or AGFD personnel. Maintenance will include but not be limited to: ensuring water is being stored within the storage tank, the internal float valve is working correctly and providing water to the trough and inspecting the water line from the spring to the storage making sure it is connected and supplying water to the storage tank.

PROJECT COMPLETION REPORT TO BE FILED BY:

John Bacorn (AGFD)

WATER DEVELOPMENT PROJECTS (*see attached worksheet*):

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

N/A

ARIZONA GAME AND FISH DEPARTMENT **WATER DEVELOPMENT WORKSHEET**

PROJECT NAME: Jackson Cabin – Walnut Spring Improvement

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”** No
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
This is a low cost spring redevelopment. Development Branch was not coordinated with on 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: Jackson Spring
Type of water source (catchment, spring, dirt tank): Spring
Ownership of water source: US Forest Service
Distance in miles from project: 1.5 miles
- 6) **Is the target wildlife species a result of transplant efforts?** YES NO
One of the target species is (Gould’s turkeys).
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). 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: _____ Approximate hiking time: _____

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

-- Please describe any restrictions to public access: Must sign in at entrance point on TNC property.
- 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
Site visit on February 25, 2011 by; John Bacorn (AGFD), Anne Casey (USFS), Bob Rogers (TNC) and Joe Sheehey (ADBSS). The overall objective of the trip was to evaluate a burn plan but at the end of road we visited Jackson Cabin.