

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

PROJECT INFORMATION

Project Title: Padre Burn/Rabbit/Angel Trick Tank Renovation **Project No. 07-226**

Region/GMU: Region II/5B-North **HPC: Forage Resource Study Group**

Project Type: Water Development

Project Description:

This project is to redevelop 2 old forest service trick tanks east of Flagstaff in the Winona area of unit 5B-North. These trick tanks will have the same design, have similar wildlife use, and are located on US Forest Service land in the same general area; thus it was decided to combine them into one project title. All three are approximately 25 years old and have deteriorated aprons and perimeter fences and undersized metal walk in storage tanks of about 3600 gallons. Archeological and biological clearances are complete for both trick tanks. Storage capacity would be increased to approximately 16000 gallons to negate the need to haul water in the future.

Wildlife Species to Benefit: Elk; Antelope, Mule deer, small game and non game animals

Possible Funding Partners:

Implementation Schedule:

Beginning: Summer 2008

Completed: Fall 2008

PROJECT FUNDING

SBG Funds Requested: \$ 35,400 Catchment materials (per catchment)

\$ 15,000 Contracted labor (per catchment)

Cost Share Funds: \$ 2,000 Forest Service - Archaeology clearance, biological evaluation and decision memo (completed) (for both)

\$ 2,000 AGFD - Site visits, project design and layout (completed)

Total Project Costs: \$ 54,400 per trick tank

PARTICIPANT INFORMATION

Applicant: Clint Adams

Telephone: 928-525-1916

Address: AZ. Game and Fish Dept.

3500 S. Lake Mary Road

Flagstaff, Az 86001

AGFD Contact and Phone No.

(If applicant is not AGFD personnel)

Coordinated with: Henry Provencio, Mormon Lake District, Coconino National Forest

Ed Jahrke, AGFD-Development Branch

Applicant's signature:

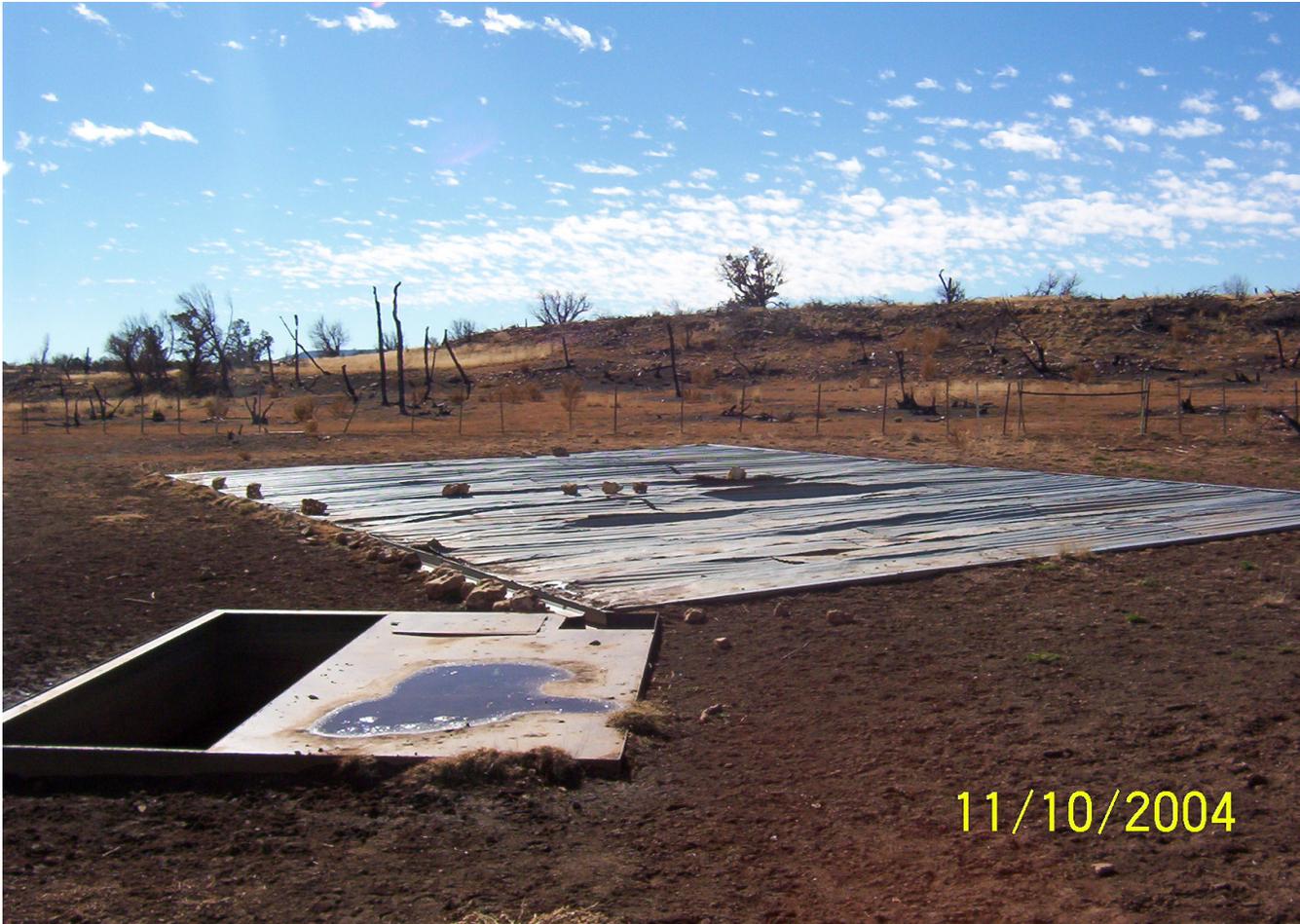
Date:

NEED STATEMENT/PROBLEM ANALYSIS:

Padre Burn and Rabbit Trick Tank are located in northern Unit 5B-N. These tanks receive heavy use from elk nursery herds as well as from pronghorn, mule deer and other small game and non-game mammals. Because of the heavy use, these catchments need to be monitored constantly and each requires supplemental water hauling several times per year. Currently, they have a storage capacity of 3,600 gallons, with metal water storage/walk in drinkers, deteriorating, undersized and often non-functioning aprons of 30'x33'(wooden frame with corrugated tin overlay) and 3-strand wire fence around the perimeter (down at Padre Burn and Rabbit). We propose to remove all the old material and replace it with modern materials/design. We intend the new catchments to hold sufficient water so that water hauling would not be needed in the future. Two new 3'X20' fiberglass ring tanks, holding a combined 16,000 gallons, a 24'X 96" R- panel apron and gutter, a fiberglass walk in drinker, an elk proof fence around the apron and a perimeter pipe rail fence would be installed at each trick tank. Proposed new storage capacity will hold over 4 times the current water storage capacity at each site. Site visit, materials and plans approved by G.M. Merrill of AGFD Development Branch.

These were originally proposed to be apron rebuilds, but now are resubmitted for additional funding for complete renovation. The additional funding is needed to expand both projects to a complete redevelopment and because of the current higher cost for materials to bring both trick tanks up to the current AGFD water development standards. Picture below is of Rabbit Trick Tank. Padre Burn and Angel are of similar design, but with completely functionless aprons.

Contract labor is proposed for this project because the Game and Fish development branch can not assure that they will have personnel available to construct these catchments. If Game and Fish crews are available any money allocated for contractors will be returned.



Rabbit Trick Tank

PROJECT OBJECTIVES:

- Provide dependable year round water for elk, antelope, mule deer and various other small game and non-game animals on year round range (antelope sign have been observed at both)
- Eliminate water hauling and reduce water level checking expenditures

PROJECT STRATEGIES:

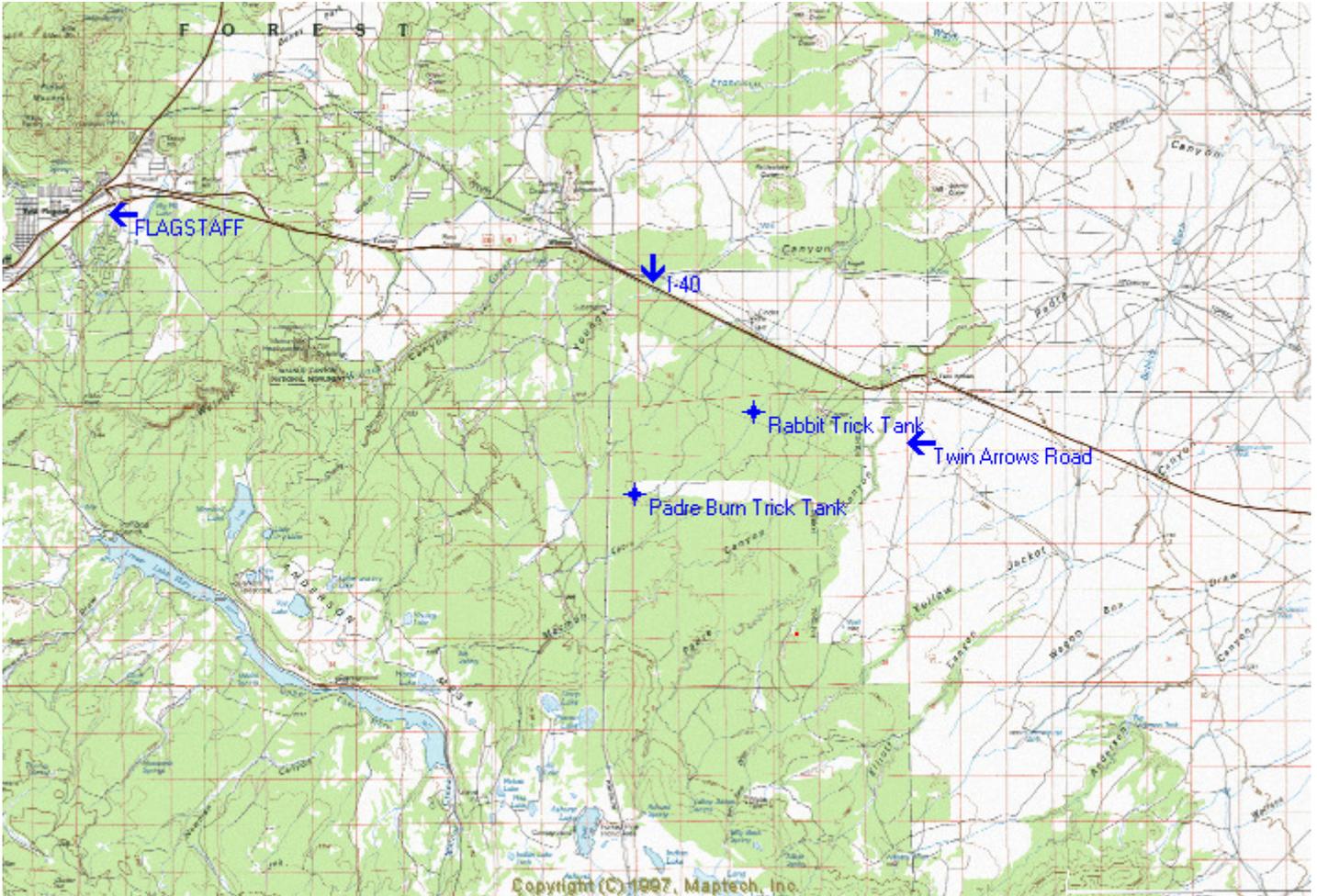
Utilize a contracted crew to rebuild each trick tank to current AGFD water development standards (24x96' R-panel apron, 16,000 gallon storage capacity, elk proof fence around apron and pipe rail perimeter fence).

PROJECT LOCATION:

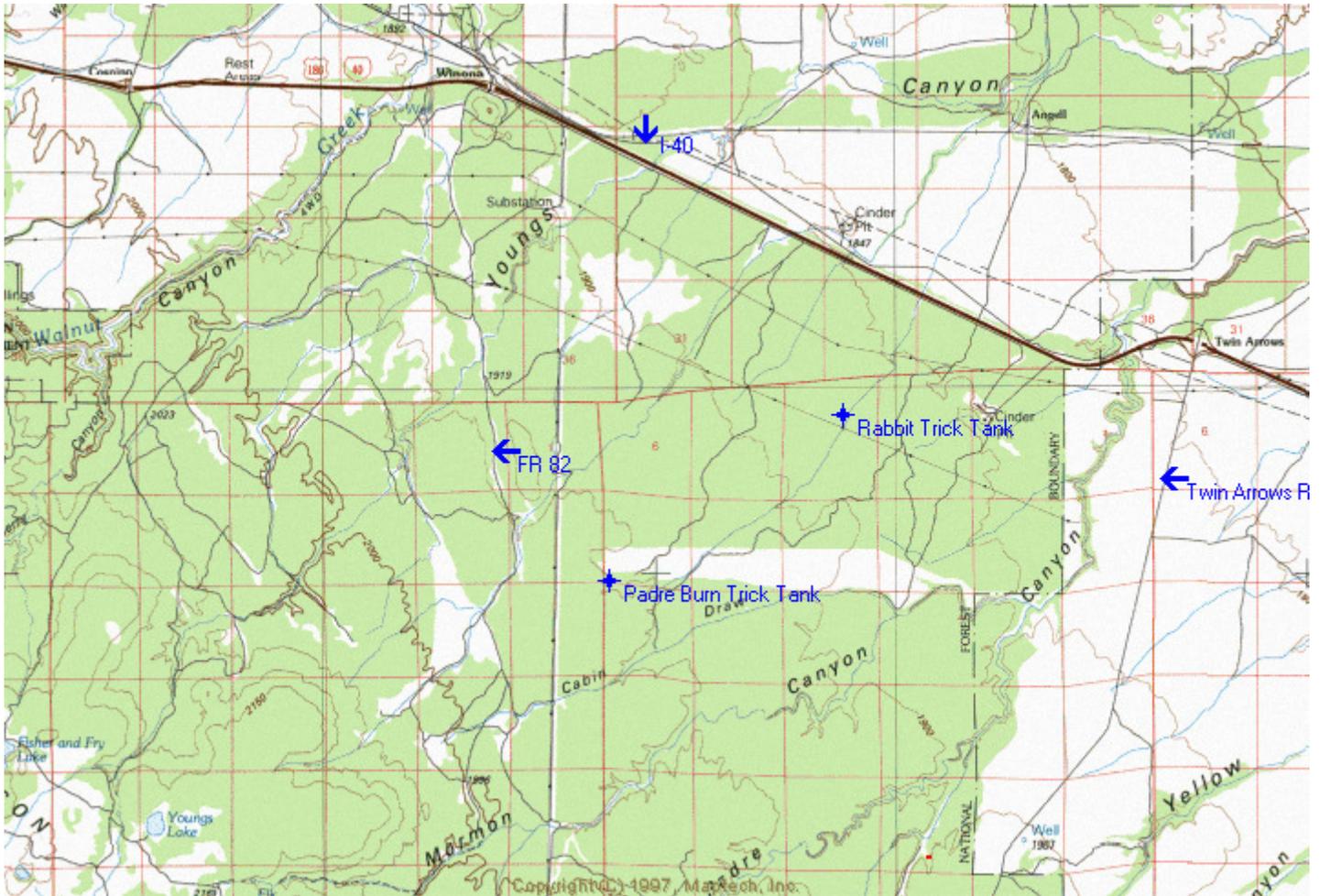
Northern Unit 5B-N, approximately 14 miles east of Flagstaff, south of I-40 and west of Padre Canyon. Padre Burn is in the northwest boundary of the 2004 Jacket fire and Rabbit is in the 2003 Lizard Fire

Rabbit Trick Tank -Angell Quad, T20N, R10E, Section 4 NE SW

Padre Burn Trick Tank- Ashurst Lake Quad T20N, R10E, Section 18 NW NW



Trick Tank locations relative to Flagstaff



Trick Tank locations

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

Coconino National Forest, Mormon Lake Ranger District

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

HABITAT DESCRIPTION:

Previous Pinion-Juniper woodland. Due to Jacket and Lizard Fires the woodland was converted to open sparse grassland with interspersed unburned patches of remnant P-J woodland.

ITEMIZED USE OF FUNDS:

R-Panel metal apron material package (24' X96')	\$ 9,200
Elk proof fence around apron/pipe rail perimeter fence	\$ 5,000
2- 3'x20' storage tanks (yielding 16,000 gallon capacity)	\$17,000
Walk in trough elk design (antelope friendly)	\$ 3,200
Gutter, block, plumbing, misc	\$ 1,000
Contracted development crew	\$15,000
AGFD site visits, project design and layout	\$ 2,000 (match)
Archaeology clearance/biological evaluation/ decision memo (USFS)(average/catchment)	<u>\$ 2,000 (match)</u>
	\$54,400 total

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

See above

PROJECT MONITORING PLAN:

Clint Adams, Wildlife Manager for unit 5B will monitor water levels.

PROJECT MAINTENANCE:

Clint Adams, Wildlife Manager will perform light maintenance needs and AGFD development branch will perform other maintenance needs.

PROJECT COMPLETION REPORT TO BE FILED BY:

Clint Adams, Wildlife Manager for unit 5B.

WATER DEVELOPMENT PROJECTS (see attached worksheet):

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT NAME: Padre Burn/Rabbit Trick Tank Renovation

- 1) Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Work Plan?" Yes
- 2) Please list the Development Branch personnel coordinated with for this project.
Ed Jahrke, Joe Currie and GM Merrill
- 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 five 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: Angell Trick Tank (deteriorated condition, unreliable)
Type of water source (catchment, spring, dirt tank, etc.): trick tank
Ownership of water source: forest service
Distance in miles from project: approximately 2 miles from both Padre Burn and Rabbit
- 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.
none
- 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: none
- 9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

See ITEMIZED USE OF FUNDS section above