

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

<b>PROJECT INFORMATION</b>	
<b>Project Title:</b> Buckaroo Flats Juniper Maintenance	<b>Project No.</b> 09-604
<b>Region/GMU:</b> Region 6/GMU 23	<b>HPC:</b> Payson Natural Resource Committee
<b>Project Type:</b> Mechanical Thinning (Agra-Axe)	
<b>Project Description:</b> This project will involve a cooperative funding effort to aid the U.S. Forest Service in restoring grassland habitat through juniper removal on approximately 200 acres southwest of Redman Mesa in Game Management Unit 23 South. Both NEPA and archeological clearance have been completed for this project.	
<b>Wildlife Species to Benefit:</b> White Tail (25%) Mule Deer (25%) Elk (50%)	
<b>Possible Funding Partners:</b>	
<b>Implementation Schedule:</b> <b>Beginning:</b> June, 2010 <b>Completed:</b> June, 2011	
<b>PROJECT FUNDING</b>	
<b>SBG Funds Requested:</b> \$4,000	
<b>Cost Share Funds:</b> \$21,980	
<b>Total Project Costs:</b> \$25,980	
<b>PARTICIPANT INFORMATION</b>	
<b>Applicant:</b> Jarrod McFarlin, Wildlife Manager	<b>Address:</b> Arizona Game & Fish Dept. 7200 E. University Mesa, AZ 85207
<b>Telephone:</b> 928-479-2150	
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel)	
<b>Coordinated with:</b> [REDACTED], USFS, Tonto National Forest, Pleasant Valley Ranger District, [REDACTED], Buzzard Roost Allotment Permittee	
<b>Applicant's signature:</b>	<b>Date:</b>

**SEND COMPLETED APPLICATIONS TO:**  
Game Branch  
AZ Game and Fish Dept.  
5000 W. Carefree Highway  
Phoenix, AZ 85086

**NEED STATEMENT/PROBLEM ANALYSIS:**

The plant community of the project area and its surrounding areas has become primarily pinon/juniper woodland. Junipers that need to be removed have invaded this historical grassland, making it much less valuable for wildlife by reducing forage and edge effect. The removal of junipers would be accomplished through the use of an agra-axe. After the junipers have been removed and dried for a season, the slash would need to be burned, which will enhance grass and forb production. It is recommended that grazing be deferred for at least one growing season after the area has been treated and burned. This will allow grasses to become established in the project area once again. The project area is located in a large area that is lacking much open grassland, which is much needed for wildlife. There are limited areas that lend themselves to proceeding with a project such as this due to several factors, including rough terrain and bad roads.

**PROJECT OBJECTIVES:**

The objective of this project is to reestablish a grassland habitat with an edge effect of 2 habitat types, which is attractive and beneficial to wildlife. This objective will be accomplished by using an agra-axe (hydraulic tree-shear) to remove junipers. This proposal is requesting about 15% of the cost for on-the-ground work associated with the operation of the Buzzard Roost Permittee owned agra-axe to remove junipers. The funding will cover operation and fuel costs of the permittee owned machine.

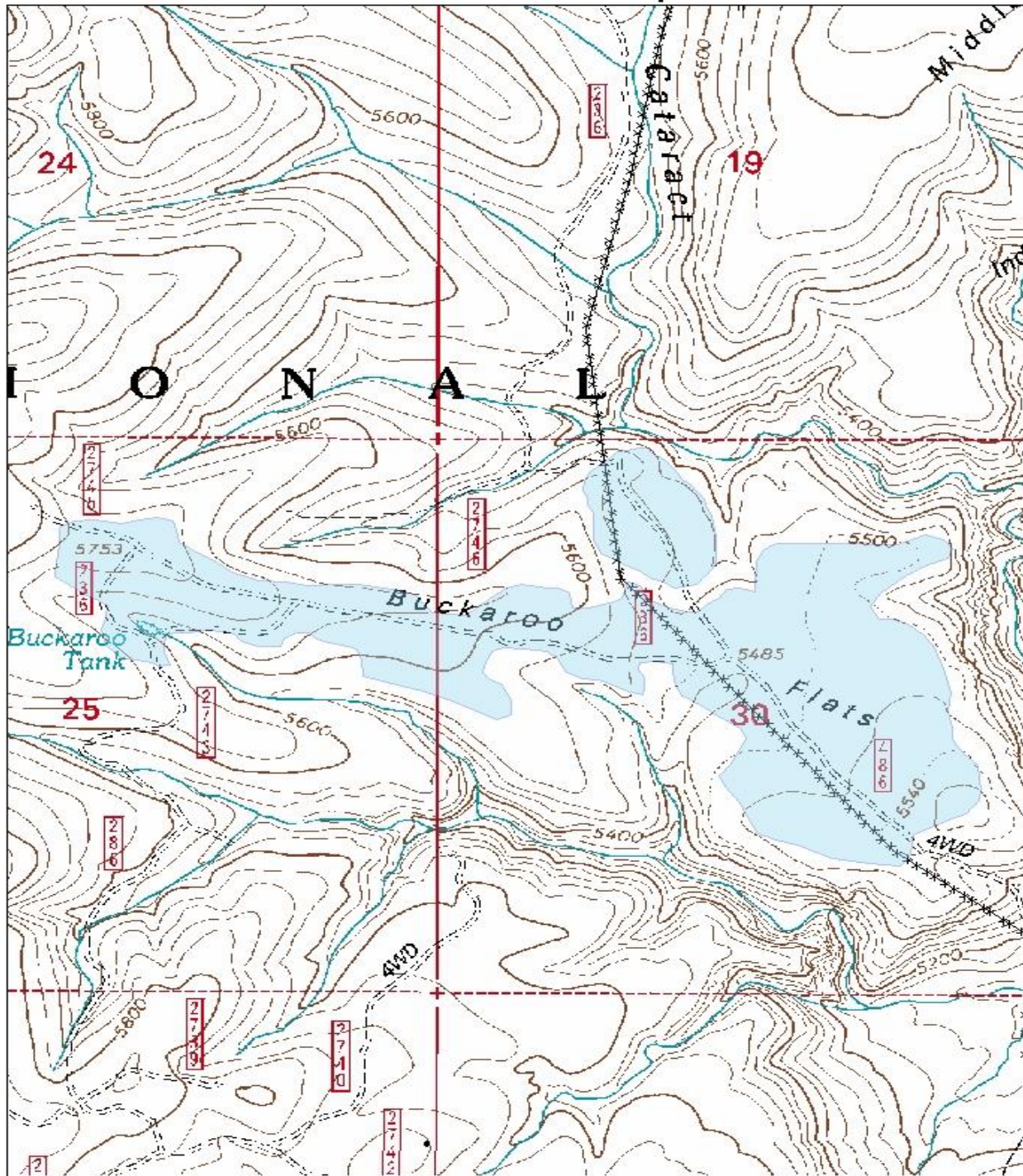
**PROJECT STRATEGIES:**

Use an agra-axe to remove junipers on approximately 200 acres of historic grassland.

**PROJECT LOCATION:**

The project location is located approximately 2 miles southwest of Redman Mesa in Game management Unit 23 (T7N, R13E, S15, 16, 20, 21). See attached map.

## Buckaroo Flat Juniper Cut



### Legend

 Buckaroo Flats Juniper Cut

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

The land in the project area is managed by the United States Forest Service, Tonto National Forest, Pleasant Valley Ranger District.

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

**HABITAT DESCRIPTION:**

The plant community in the area is pinon/juniper woodland with some grassland interspersed. The elevation ranges from 5,400 to 5,800 feet. Key species include various grasses, alligator juniper, pinon pine, a few ponderosa pine and various woody shrub species.

**ITEMIZED USE OF FUNDS:**

**Park Tank Juniper Maintenance**

<b>COOPERATOR AND PROJECT COMPONENT</b>	<b>COST SHARE DOLLARS AVAILABLE</b>	<b>SBG FUNDS REQUESTED</b>
<b>Arizona Game &amp; Fish Dept. (SBG funds)</b> ► Fund fuel costs associated with operation of the agra-axe. Calculated at 200 acres @ \$20/acre.		<b>\$4,000</b>
<b>Arizona Game &amp; Fish Department</b> ► Provide in-kind labor to write proposal, coordinate project, complete repor, etc. Calculated as seven days @ \$140/day.	<b>\$980</b>	
<b>USDA-Tonto Natl. Forest, Pleasant Valley Ranger District</b> ► Provide administrative support, including labor/funding to produce NEPA and archeological clearances.	<b>\$5,000</b>	
<b>Dan Fenn, Buzzard Roost Allotment Permittee</b> ► Provide agra-axe and total labor. Calculated at 200 acres @ \$80/acre	<b>\$16,000</b>	
<b>Totals:</b>	<b>\$21,980</b>	<b>\$4,000</b>

**Total Project Cost =\$25,980**  
**Ratio of Cost-Share Dollars:SBG Funds =1/ 4.85**

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

**Arizona Game & Fish Department – Special Big Game Funds**

- ▶ Provide funding for fuel cost associated with 200 acres of juniper cutting with an agra-axe
- ▶ Provide in-kind contributions in the form of labor for contract administration, project origination, and coordination.

**U.S. Forest Service, Tonto Natl. Forest, Pleasant Valley Ranger District**

- ▶ Provide administrative support in the form of necessary NEPA and archeological clearances.
- ▶ Provide on-the-ground boundary marking.

**Dan Fenn, Buzzard Roost Allotment Permittee**

- ▶ Provide agra-axe.
- ▶ Provide labor for 200 acres of juniper cut.

**PROJECT MONITORING PLAN:**

The project proponent will ensure project completion with coordination between the Arizona Game & Fish Department and Pleasant Valley Ranger District. There will be no long-term monitoring required, other than incidental field observations by the Arizona Game & Fish Department and the Forest Service to note the effects of the project and the need for future projects.

**PROJECT MAINTENANCE:**

There will be no maintenance required by this project.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

The project proponent will file a completion report by June, 2011.

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

**SEND COMPLETED APPLICATIONS TO:**

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

## ARIZONA GAME AND FISH DEPARTMENT TREE SHEARING WORKSHEET

**PROJECT NAME:** Buckaroo Flats Juniper Maintenance

- 1) **What is the estimated acreage of the project?**  
200 acres.
- 2) **How are the trees to be cleared?**  
agra axe
- 3) **What is the estimated number of trees per acre?**  
50-60
- 4) **Describe trees to be cleared:**  
Alligator or Utah Juniper, Less than 8 inches dbh, multi-stem.
- 5) **Describe terrain (slope, soil type, rocks, etc.)**  
Flat or gentle slope with moderate rock coverage, although some areas have more rocks.
- 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.**  
None

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: The drive in and out of the project area is a fairly long 4-wheel drive road.