

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

PROJECT INFORMATION	
Project Title: Yellow Pine Ranch Landscape Water Development Project	Project No. 10-302
Region/GMU: 3/16A	HPC:
Project Type: Water development (repair)	
Project Description: The redevelopment of these water sources and pipelines on the Yellow Pine Ranch need to be repaired in order to bring the water distribution system to full working capacity. The 19,000 acres of landscape that is opened up through these pipelines being functional will provide much needed water to a variety of wildlife.	
Wildlife Species to Benefit: Mule deer, javelina, quail, dove, and a variety of herpetological and non-game species.	
Possible Funding Partners: AZ Game and Fish Department, BLM and Mule deer Foundation	
Implementation Schedule: Beginning: Completed:	NEPA Compliance: (if applicable) Completed: Yes ___ No ___ Projected Completion Date:
PROJECT FUNDING	
SBG Funds Requested: \$78,922	
Cost Share Funds: \$	
Total Project Costs: \$78,922	
Note: If AGFD provides heavy equipment, costs would be reduced by roughly \$30,000.00.	
PARTICIPANT INFORMATION	
Applicant: Lainie Antolik (please print) Telephone: 928-718-4040	Address: 5325 N. Stockton Hill Rd. Kingman, AZ 86409
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Trevor Buhr, Wade Albrecht, BLM range staff and biologist, NRCS and Lainie Antolik	Date: July 14, 2009
Applicant's signature: Lainie Antolik	Date: August 31, 2010

SEND COMPLETED APPLICATIONS TO:
Game Branch
2221 W. Greenway Rd.

Phoenix, AZ 85023
mdisney@azgfd.gov

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES _____ NO X
There is currently no local HPC in Kingman

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?
No

NEED STATEMENT/PROBLEM ANALYSIS: Currently this water distribution system is not functioning properly. These pipelines provide a water source for mule deer, javelina, various birds and other wildlife. Several of the troughs need to be replaced because they are old and barely functional and 2 new 5,000 gallon storage tanks would be added to an existing dirt tank that is no longer viable. This area is fairly dry and given the drought conditions it has been experiencing for the last few years, it is very important that a water source is provided to wildlife in the area. This area has very few water sources for wildlife and these pipelines would open up over 19,000 acres for wildlife. This area also contains a large amount of mule deer and these water sources would be extremely beneficial to these herds.

PROJECT OBJECTIVES: The Department, in cooperation with Yellow Pine Ranch, propose to improve these existing pipelines to maintain the availability of water for mule deer and other wildlife at this location, while concurrently providing for better grazing rotation, thereby decreasing resource degradation at limited sources of water. The purpose of this project is to provide a dependable year-round water source for wildlife in an area where water sources are sparse. An additional objective is to reduce the effects of drought and thermal stress on game species and other wildlife by repairing and replacing these pipeline systems.

PROJECT STRATEGIES:

- Replace 4- 1,100 gallon troughs
- Add 2- 5,000 gallon tanks
- Add pipeline that will extend the Angora pipeline and add the Antelope pipeline that will connect to the house well.

PROJECT LOCATION: Yellow Pine Ranch
Project Location: Township 19N, Range 14W, Sections 1-18 and 25-36.

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

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT? Yes; Cooperative Stewardship Access Agreement signed in Spring 2010.

HABITAT DESCRIPTION: This area encompasses a variety of habitat types. There are several transition zones which contribute to a diverse mix of species in this area. There is a small amount of desert plains grassland at the lower elevations (1,000-3,000 ft.). There is a large portion of Mohave Desert scrub habitat between 2,000-5,000 ft. This transitions into chaparral habitat between 4,000-5,000 ft and also a large area of Pinyon-Juniper Woodland area between 4,000-6,000 ft. The elevation range for this area is between 2,000 and 6,000 ft.

ITEMIZED USE OF FUNDS:

- **4- 1,110 gallon troughs at \$1.76 per gallon- \$7,744**
- **2- 5,000 gallon storage tanks at \$1.76 per gallon- \$17,600**
- **31,680 feet of high density PE at \$0.39 a foot- \$12,438**
- **Equipment rental:**
- Generator 4 weeks- \$1,082
- Backhoe 4 weeks- \$2,450
- Bulldozer 4 weeks- \$9,990
- Grader 4 weeks- \$8,050
- Trucks 4 weeks- \$7,907
- **Labor:**
- Laborers for 28 days at \$90/day- \$2,520
- Operators for 28 days at \$100/day- \$2,800
- Drivers for 28 days at \$45/day- \$1,260
- Foreman for 28 days at \$110/day- \$3,080
- **Fuel for equipment- \$2,000**

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION: AZ Game and Fish could potentially provide heavy equipment and labor for this project. This would offset the cost of renting equipment by \$30,000. The AZ Mule Deer Foundation and BLM have been contacted regarding this project and may possibly be willing to assist with costs.

PROJECT MONITORING PLAN: The Yellow Pine Ranch will be responsible for ensuring that the water system is in working order after the completion of the project. The wildlife manager for GMU 16A will be responsible for monitoring this system to ensure that it is retaining water and does not go dry.

PROJECT MAINTENANCE: If needed, the Yellow Pine Ranch would provide maintenance for these pipelines, tanks and troughs.

PROJECT COMPLETION REPORT TO BE FILED BY: AGFD employees Lainie Antolik and Trevor Buhr

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?”** No

- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Development Branch was not needed for this project since it is not a water catchment.
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
__2-4 __4-6 __6-8 __8-10 __10-12 **X**12-14 __14-16 __>16

- 4) **Is there a perennial water source available to big game within four miles of this project?**
__X_YES (please complete #5 below) __NO (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: **Wheeler well**
Type of water source (catchment, spring, dirt tank, etc.): **Windmill driven tank**
Ownership of water source: **Yellow Pine Ranch**
Distance in miles from project: **2-3**

- 6) **Is the target wildlife species a result of transplant efforts?** __YES **X**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 **X**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 **X**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.**
Refer to Itemized Use of Funds

- 10) **Was a site visit completed?** **X** Yes __No
If Yes, please list personnel that attended and date. **Trevor Buhr, Wade Albrecht and Lainie Antolik with AGFD, BLM range staff and biologist and NRCS on July 14, 2009.**