

HABITAT PARTNERSHIP COMMITTEE

HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL

Game Branch / HPC Project Number:	15-304
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PROJECT INFORMATION

Project Title: Bickford Catchment Redevelopment

Region and Game Management Unit: 10

Local Habitat Partnership Committee (LHPC):

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Was the project presented to the LHPC?

YES ☐ NO ☐

Has this project been submitted in previous years? YES ☐ NO ☒

If Yes, was it funded? YES ☐ NO ☐ → **Funded HPC Project #(s):**

Project Type: Catchment Redevelopment

Brief Project Summary: Installation of a heavy duty Pipe Rail Fence and cement reinforcement of water trough

Big Game Wildlife Species to Benefit: Elk and Pronghorn Antelope

Implementation Schedule (Month/Day/Year):

Project Start Date: August 1, 2015

Project End Date: August 5, 2016

Environmental Compliance:

NEPA Completed: Yes ☒ No ☐ N/A ☐

Projected Completion Date: _____

State Historic Preservation Office - Archaeological Clearance:

Yes ☒ No ☐ N/A ☐

Projected Completion Date: _____

Arizona Game and Fish Department EA Checklist: N/A ☐

To be Completed by: _____

Projected Completion Date: _____

PROJECT FUNDING

Special Big Game License Tag Funds Requested:

\$

Cost Share or Matching Funds:

\$

Total Project Costs: \$8,164

\$ 8,164

PARTICIPANT INFORMATION

Applicant (please print):

Noah Silva

Address:

5325 N. Stockton Hill Rd

E-mail:

nsilva@azgfd.gov

Telephone: 480-216-6653

Date: 8/27/2015

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

Project has been coordinated with:

AZGFD and Boquillas Ranch

NEED STATEMENT – PROBLEM ANALYSIS:

The Department and cooperators are proposing to redevelop a wildlife water catchment. The primary purpose is to keep cattle out of water development and provide reliable and permanent source of water for elk and Pronghorn antelope in the northern portion of GMU 10. Elk and Pronghorn antelope would benefit from this redevelopment, as well as other native mammals, birds, herpetofauna, and invertebrates. There is a barb wire fence surrounding the catchment but has been trampled by elk many times. This would keep the catchment protected being taken down by elk and only utilized by wildlife species.

PROJECT OBJECTIVES:

The Department proposes to redevelop/maintenance of a wildlife water development to create a permanent year-round water source for wildlife. It is the objective of the Arizona Game and Fish Department to reduce the effects of drought and thermal stress on game species and other wildlife by redeveloping and maintaining wildlife water developments. The Bickford Draw Wildlife Water redevelopment would provide a secure water source for a number of species of wildlife with a specific emphasis on elk. This area was determined in a comprehensive water analysis completed for the Unit 10 Management Plan to be the largest block of grassland without a permanent water source. Elk populations have been detected near the project site and this water will provide a permanent reliable water source for elk which is necessary for their survival.

PROJECT DESCRIPTION AND STRATEGIES:

The proposed project would require use vehicles for transportation of materials to the site. Bickford Draw water catchment would consist of installation of a heavy-duty pipe rail fence, cement reinforcement around the drinker, and general maintenance consistent with the Arizona Game and Fish Department Wildlife Water Development Standards Document. This would be accomplished by the performing the tasks below

PROJECT LOCATION:

Legal Description: Southeast $\frac{1}{4}$ of Section 32, T29N, R4W

Location: (WGS 84 UTM) 12S, 353543, 3978105N

LAND OWNERSHIP AT THE PROJECT SITE(S):

(if the project area is private property, please state specifically and provide the landowner's name)

- State Trust land

IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

YES[x] NO[] N/A[]

HABITAT DESCRIPTION:

Open grasslands and sage brush

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Will coordinate with local RMEF, Antelope groups, and HPC to get funding for this project

WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?

YES[x] NO[] N/A[]

PROJECT MONITORING PLAN:

Periodic checks will be made by the local Wildlife Manager to ensure that the catchments are functional and holding water properly

PROJECT MAINTENANCE:

The AGFD development branch will do any maintenance or repairs that need to be completed on these catchments

PROJECT COMPLETION REPORT TO BE FILED BY:

Noah Silva, Wildlife Manger Unit 10, AZGFD

WATER DEVELOPMENT PROJECTS (please use the worksheet below):

TREE CLEARING/REMOVAL PROJECTS (please use the worksheet below):

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

PROJECT TITLE: Bickford Catchment Redevelopment

1) Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?” Yes

2) Please list the Development Branch personnel and date coordinated with for this project.
Joseph Currie 6-09-15

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[x] (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):

Ownership of water source:

Distance in miles from project:

6) Is the target wildlife species a result of transplant efforts? YES[] NO[x]

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[x] NO[]

-- Please describe any restrictions to public access:

The area surrounding the catchment is checker-boarded with state and private land that is owned by the Boquillas Ranch. Seasonal Access (August-December) is allowed for hunting by purchasing an access permit. With agreement in place any AZGFD function allows agency personal/volunteers to access the land to do special projects or research

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[x]

If Yes, please list personnel that attended and date.

The site has been visited by Joseph Currie, Jeff Pebworth, and Noah Silva on 6-09-15

Material list

For the catchment: \$ 8,164total

Total Fencing Materials= \$5569.00

Fence and Support Posts (Heavy Duty 200x200 perimeter fence) = \$3,625.00

Elk Exclosure for Apron (30'x100')-\$1,944.00

27 - 1 ½" Sch. 40 Black Steel Pipe, Plain End (includes 11 for apron support post)

135 - 1/2" Black Steel Pipe, Threaded and Coupled

140 - Premix concrete 3000psi 60lb. bags (42 bags for apron support post)

Fiberglass and Gel coat = \$ 1,595.00 (8 gallons fiberglass & 8 gallons Gel coat)

Reinforcement Materials = \$ 500.00

10-bags of cement

8 - 12" X 12" Concrete Pavers

1 - Premix mortar 75lb. bags

1 - Tube Lexel Sealant

Miscellaneous Materials = \$ 500.00

Welding Rod

Sanding Disk / Wire Wheel

Teflon Tape / Pipe Dope

Caution Tape / Flagging / Safety Caps

Marking Paint / Markers

Total Cost of Wildlife Catchment Redevelopment = \$5,662

ARIZONA GAME AND FISH DEPARTMENT

VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET

PROJECT TITLE: _____

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. http://www.hr.state.az.us/ClassComp/CC_Job_Titles_with_Ranges.asp

\$0.445/mile should be the calculation used for mileage.

Water Development	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Habitat Restoration and Clean Up	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Fisheries	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Nongame Branch Project	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Misc/office work	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			varies	
Community Services	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$7.44	
Events and Other	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Research Branch	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Wildlife Area Hosts	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$17.44	
Education Programs	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$16.07	
Totals				