

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

HPC Project Number: 18-703

PROJECT INFORMATION

Project Title: Boquillas Ranch Water Projects

Region and Game Management Unit: 10

Local Habitat Partnership Committee (LHPC):
 • Williams/Flagstaff

Was the project presented to the LHPC?
 YES[] NO[X]

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

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

Project Type:

Water Development - Operation and Maintenance

Brief Project Summary: Work with the Ranch Manager to improve water availability for wildlife by improving removing sediment from 8 existing dirt tanks and the completion of approximately 6 miles (31,680 feet) of pipeline.

Big Game Wildlife Species to Benefit (% benefit per species) : elk 50%, pronghorn 50%

Implementation Schedule (Month/Day/Year):

Project Start Date: 4/01/19

Project End Date: 4/01/21

Environmental Compliance:

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

Projected Completion Date: _____

State Historic Preservation Office - Archaeological Clearance:
 (Provide Attachment)

Yes[] No[] N/A[X]

Projected Completion Date: _____

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

To be Completed by: ~~Use LRP programmatic EAC for projects~~

Projected Completion Date: _____

PROJECT FUNDING

Special Big Game License Tag Funds Requested:

\$ 100,000

Cost Share or Matching Funds:

\$ 138,000 pipeline & \$ 16,000 tanks

Total Project Costs:

\$ 254,000

PARTICIPANT INFORMATION

Applicant (please print):
 Wade Zarlingo

Address: 5000 W carefree highway
 Phoenix, AZ 85086

E-mail: wzarlingo@azgfd.gov

Telephone: 928 368-3203

Date: 9/1/18

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

Project has been coordinated with: Navajo Nation, Cholla Cattle Co, NRCS

NEED STATEMENT – PROBLEM ANALYSIS: reliable waters are scarce in the western half of GMU 10, as the Department has only 4 water catchments in the 800,000 acre Boquillas Ranch. To ensure reliable water for wildlife partnering with the ranch is essential. This project will be a collaborative effort where the ranch will improve dirt tanks and the water delivery system to ensure water will be available for wildlife

PROJECT OBJECTIVES: Ensure year round water for elk, pronghorn, and all other wildlife species occurring on the Boquillas Ranch

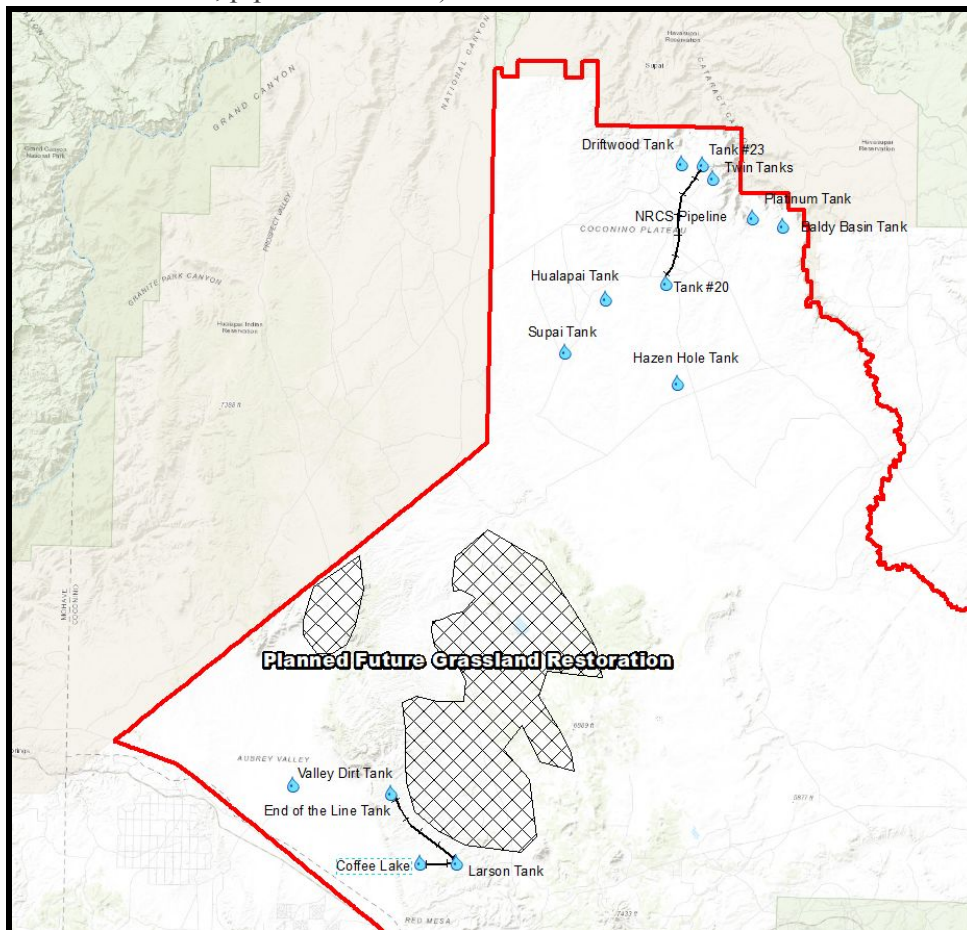
Build and foster a strong working relationship with the Navajo Nation and the Ranch manager for the Boquillas Ranch

PROJECT DESCRIPTION AND STRATEGIES:

Funding for the pipeline and installation will be provided by NRCS. HPC funds would be used to remove sediment from 8 existing large dirt tanks to improve holding capacity. The Department's wildlife manager has reviewed these projects and agrees all will provide wildlife value. The projects being proposed are part of a very large landscape scale project in partnership with NRCS, AZGFD, Cholla Land and Cattle Company and the Navajo Nation. Providing reliable wildlife water will be the first step in the project. The Department, NRCS, and Cholla Land and Cattle Company have identified over 69,000 acres of grassland restoration that will be part of the overall project moving forward.

PROJECT LOCATION

Dirt tanks and pipelines are located on both private and State Trust land within the Boquillas Ranch. Map shows the locations of the dirt tanks and pipeline that will be installed (GMU 10 boundary in red, future planned grasslands hatched, pipeline is ticked).



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 and private

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

YES[X] NO[] N/A[] Access agreement through the 2022 hunting season

HABITAT DESCRIPTION: Pinyon Pine and Juniper woodland, and grassland

ITEMIZED USE OF FUNDS:

Sediment removal on 8 existing dirt tanks(\$116,000 [\$100k HPC, \$16k Ranch]). The cost of sediment removal varies based on the size of the tank. Below is the list of dirt tanks and the estimated hours and cost that will be needed to complete the projects.

- Platinum Dirt Tank- 16 hours of work with loader and dozer at \$150.00/hr = \$4800
- Valley Dirt Tank and sediment trap- 80 hours of work with loader and trackhoe at \$150.00/hr = \$24,000
- Driftwood Tank- 40 hours with loader and dozer at \$150.00/hr = \$10,000
- Twin Tanks- 40 hours with loader and dozer at \$150.00/hr = \$10,000
- Hualapai Tank- 32 hours with loader and dozer at \$150.00/hr = \$9,600
- Supai Tank- 80 hours with loader and dozer at \$150.00/hr = \$24,000
- Baldy Basin Tank- 80 hours with loader and dozer at \$150.00/hr = \$24,000
- Hazen Hole Tank- 32 hours with loader and dozer at \$150.00/hr = \$9,600

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

NRCS will be completing two major pipeline projects for a total of 31,680 feet. Below is the name and cost associated with the segments of pipeline. The pipelines are referenced by the start and stop points.

20 to 23 pipeline - Will use 3” schedule 80 plastic pipe. 15,840 feet of pipe that will take approximately 6 weeks to complete. Will use loader, dozer and trackhoe at \$150.00/hr each at a cost of \$108,000.

Black Mountain to Coffee Lake - Will use 15840 feet of 2” schedule 80 poly pipe. New 50,000 gallon storage tank and 2 water troughs. Cost of tank is included as cost share at \$30,000.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AGFD, AES, RMEF, Navajo Nation, Cholla Cattle Co/ Big Bo LLC (ranch manager)

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

YES[X] NO [] N/A[]

This funding is part of the negotiated access agreement with the Navajo Nation

PROJECT MONITORING PLAN:

LRP or WM out of Kingman Region will verify work is complete and check on water availability throughout the year. Ranch cowboys will check water levels throughout year

PROJECT MAINTENANCE:

Ranch Manager will maintain all facilities

PROJECT COMPLETION REPORT TO BE FILED BY:

Wade Zarlingo (LRP Specialist Region III)

WATER DEVELOPMENT PROJECTS (please use the worksheet below):

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

ATTACHMENTS:

(Please provide cultural clearance documentation from land management agency, e.g., FONSI, Inventory Standards, etc. Also attach any project pictures)