

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

HPC Project Number:

17-602

PROJECT INFORMATION

Project Title:	2 Bar Ranch Dirt Tanks, Mule Deer Focused		
Game Management Unit:	24B	Region:	6
Local Habitat Partnership Committee (LHPC):		Was the project presented to the LHPC?	
Payson		Yes	
Project Location: (Please provide lat/long in decimal degrees or meters of project area using datum WGS84 or NAD83. If project is larger than one point, please include them all. Provide an accompanying shapefile as an attachment for the project area).			
LATITUDE/NORTHING: LONGITUDE/EASTING: MULTIPLE LOCATION COORDINATES: Blue Ridge Tank 33.60894, -111.06514 2 Bar Road Tank 33.63396, -111.07774 Highway Tank 33.64417, -111.08709 Old Road Tank 33.64705, -111.08787			
Project Type:	Water project		
Water Project Action (if applicable):	Operation and maintenance of dirt stock tanks		
Habitat Restoration Action (if applicable):	N/A		
Other Project Type and Action (if applicable):	N/A		
Has this project been submitted in previous years?	No		
PROJECT SUMMARY			
Describe the proposed action only. Please use plain English, what action are you proposing? (If applicable, please reference any completed compliance including EAC#).			
Brief Project Summary: This project seeks to clean out and repair 4 dirt stock tanks on the Schoolhouse Allotment on 2 Bar Ranch. The tanks were not well maintained previously and have fallen into disrepair. In their current state they are silted in and leak so they do not hold water through the dry season. The tanks would be cleaned out with heavy equipment and repaired then bentonite would be applied to seal them for better water retention. The Tonto Basin Ranger District has completed a site visit and has provided approval for the work to be done.			
Primary Big Game Wildlife Species to Benefit:	Mule Deer, Javelina, White-tail deer		
Implementation Schedule (Month/Day/Year)	START DATE: 05/01/2018	COMPLETION DATE: 09/01/2019	

PROJECT FUNDING

Project Funding *Qualifying Cost Share should be restricted to support (materials, compliance, and or labor) of the proposed action ONLY (same time and place). Please do not include previously purchased supplies or past completed work.	Itemized Use of Funds Please email separate quotes if HPC funds are to be used to purchase materials or contracted labor: HPC@azgfd.gov .
<u>HPC Funds Requested</u> \$8000,00 <u>Cost Share or Matching Funds = \$34,005.00</u> Mule Deer Foundation Funds= \$13,505.00 -for bentonite 2 Bar Ranch Funds= \$8,000.00 -cost for 2 tanks dozer rental and clean-out In-kind= \$12,500.00 total 8,500.00- 2 Bar Ranch, for all manual labor to assist dozer operations, apply bentonite, ranch personnel time to complete project and coordination 2,000.00 USFS personnel time 2,000.00 AGFD personnel time <u>Percent Match</u> <u>Total Project Cost</u> Amount: \$42,005.00	\$16,000 = \$4,000 per stock tank for dozer rental and cleanout/repair of 4 stock tanks \$13,505.00 = 45 tons of bentonite \$2,000.00 USFS personnel time \$2,000.00 AGFD personnel time \$8,500.00 labor by 2 Bar Ranch personnel

ENVIRONMENTAL COMPLIANCE

Please indicate the status of the Project's compliance. if you are unsure, please reference:

HPC Compliance Checklist (<https://www.azgfd.com/wildlife/hpc/forms/>).

If you have questions regarding the requirement of an EAC, contact AGFD's Project Evaluation Program:

(<https://www.azgfd.com/wildlife/planning/projevalprogram/>).

***Please email supporting compliance documents to HPC@azgfd.gov ***

AGFD EA Checklist Completed:	N/A	Completion Date:	
NEPA Completed:	N/A	Completion Date:	
State Historic Preservation Office/ Archaeological Clearance:	N/A	Completion Date:	

CONTACT INFORMATION

Applicant

The project applicant is the responsible party for seeing the work through to completion.

APPLICANT NAME: Media Hunsaker

ORGANIZATION: 2 Bar Ranch

ADDRESS: [REDACTED]
[REDACTED]

PHONE: [REDACTED]

EMAIL: [REDACTED]

AGFD Project Proponent

The Project Proponent is responsible for compliance, implementation, and annual/final reporting requirements.

AGFD CONTACT NAME: Kriselle Colvin

PHONE: 480-981-9400

Cooperators

COOPERATOR NAME(S), ORGANIZATION, ROLE IN PROJECT:

Media Hunsaker and McGill, 2 Bar Ranch, Project Implementation

Eric Hoskins, Tonto Basin Ranger for Tonto National Forest, site visit and FS approval

Kriselle Colvin, AGFD, Project Coordination

PROJECT NEED AND DESCRIPTION

Please use direct language: why is this project important? What problem will be solved? How will you implement it, and how will the habitat be enhanced? Please include # of acres, methods, roles, and any phases. Please be specific and thorough.

NEED STATEMENT – PROBLEM ANALYSIS:

These four dirt stock tanks are in disrepair, they are silted and/or grown in and have not been cleaned out in recent memory, they do not hold water throughout the hottest and driest parts of the summer when water is needed most. In the past when the tanks were in better condition they held water year round. The new managers at the ranch would like to clean out the tanks, and repair the berms with a dozer then apply bentonite to seal them so they can more reliably hold water. This area used to have a much more robust mule deer population, over the last 20 years the numbers have declined in part due to less water availability. Once repaired these four tanks would be a great year round water source for the wildlife for approximately 8000 acres, especially the mule deer.

PROJECT DESCRIPTION AND STRATEGIES:

- A) Clean out 4 dirt stock tanks with heavy equipment
- B) Make any necessary repairs to berms etc.
- C) Use bentonite to seal the stock tanks for better water retention

LAND OWNERSHIP AT THE PROJECT SITE(S):

Tonto National Forest

PROJECT MONITORING PLAN:

The project proponent will ensure project completion with coordination between AGFD and the 2 Bar Ranch. This area will be surveyed by the AGFD and will be monitored for wildlife use.

PROJECT MAINTENANCE:

The tanks will be maintained by the Ranch managers Media Hunsaker and Travis McGill

PROJECT COMPLETION REPORT TO BE FILED BY:

Kriselle Colvin

SUPPORTING DOCUMENTS LIST:

Image 9 and 10 attached, pricing for tank cleaning and bentonite

Permit Modification for tank cleaning from FS, attached to email submission with HPC Grant

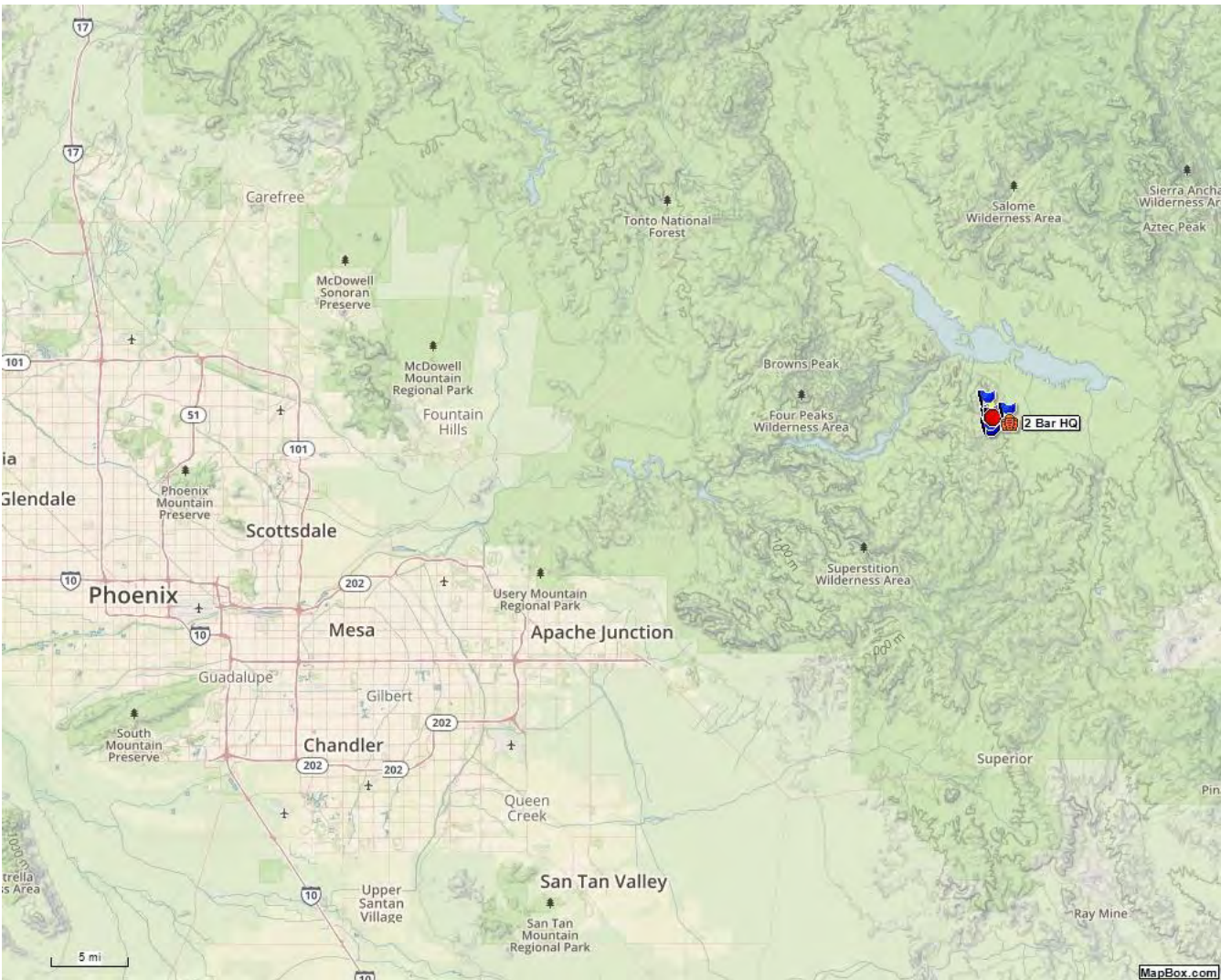
Have supporting documents been submitted?

Yes

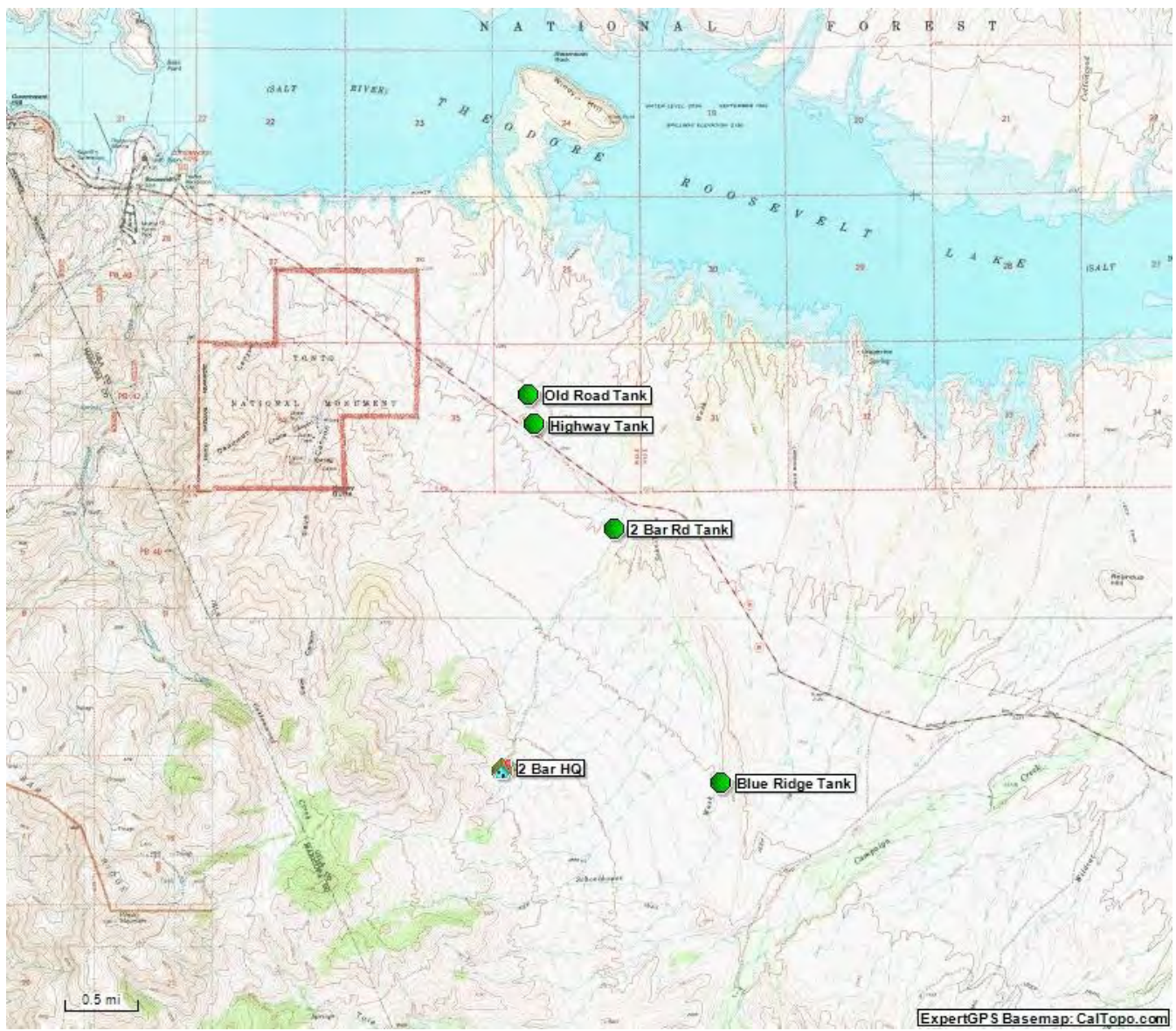
ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT TITLE: 2 Bar Ranch Dirt Tanks, Mule Deer Focused

- 1) **Was a site visit completed (Date and with whom)?**
06/20/2017 Kriselle Colvin, AGFD and Eric Hoskins, TNF Tonto Basin Ranger District
- 2) **If this is a dirt tank project, has the site historically held reliable water?**
Yes
- 3) **If this is a dirt tank project and soil data is available, what type of soil is at the site?**
Unknown
- 4) **If this is a water catchment project, please list the Development Branch coordination date:**
N/A
- 5) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**
No
- 6) **If this is a water catchment project, please list the Development Branch personnel coordinated with:**
- 7) **Is there a perennial water source available to big game within four miles of this project?**
Name of water source: Unnamed spring
Type of water source (catchment, spring, dirt tank): Spring and other dirt tanks
Ownership of water source: Tonto National Forest
Distance in miles from project: 1.5



Map 1. Project location overview



Map 2. Location of tanks on topo map



Image 1. Aerial view of Blue Ridge Tank, approximately 5600 square feet



Image 2. Photo of Blue Ridge Tank taken at site visit on 06/20/2017



Image 3. Ariel view of tank 2 Bar Road Tank, approximately 4200 square feet



Image 4. Photo of 2 Bar Rd Tank taken at site visit on 06/20/2017



Image 5. Aerial view of Old Road Tank, approximately 6600 square feet



Image 6. Photo of Old Road Tank taken at site visit on 06/20/2017



Image 7. Aerial view of tank Highway Tank, approximately 2300 square feet



Image 8. Photo of Highway Tank taken at site visit on 06/20/2017

Black Mountain Excavating Inc.

HC 1 Box #5273-W
 49831 N. Hwy 188
 Payson, AZ 85541

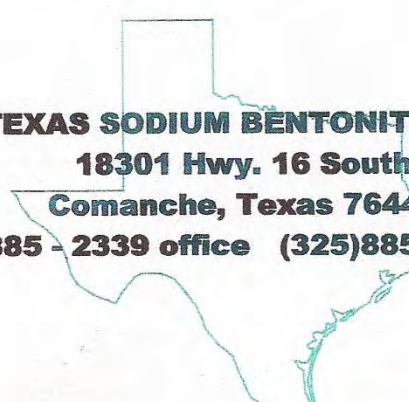
Estimate

Date	Estimate #
8/9/2017	74

Name / Address
Schoolhouse Stock Tanks Roosevelt, AZ 85553

			Project
Description	Qty	Rate	Total
8-8-2017 Schoolhouse Dirt Stock Tank Cleaning. This quote is matching funds and does not include bentnite or hauling it to tank site. This quote is mob/in and out of jobsite with equipment and traveling to sites and tank clean out. Tank cleaning with matching funds Mushily Basin Tank 2: 3717754, 488069 Pinon Tank: 3717542, 489010 Top Tank: 3719665, 489500 Blue Ridge Tank: 3718770, 493956 Two Bar Road Tank: 3721575, 492795 Highway Tank: 3722709, 491924 Old Road Tank: 3723017, 491896 Bent nite will be ordered and hauled separately and is not included in this quote. For Questions Please call Bill Brown 928-978-2439	7	4,000.00	28,000.00
		0.00	0.00
It's been a pleasure working with you!		Total	\$28,000.00

Image 9. Current price quote for tank cleaning, \$4,000.00 per tank



TEXAS SODIUM BENTONITE, INC.
18301 Hwy. 16 South
Comanche, Texas 76442
(325)885 - 2339 office (325)885 - 2138 fax

Texas Sodium Bentonite, Inc.
 18301 Hwy 16 South
 Comanche, TX 76442
 Phone: (325)885-2339
 Fax: (325)885-2138

Bill to:
 H-4 Black Mountain Excav., Inc.
 49831 N. Hwy 188
 Payson, AZ. 85541
 Lori Brown (928)978-2440

Date		Invoice No.	Project
03.17.16		33587	Verbal - Lori
Quantity	Description	Rate	Amount
30 Pallets Shipped on (2) Flat Bed Trailer Trucks with each Truck delivering 900/50# Bags per load	Bagged material - 45 tons (1800 / 50 pound bags) of TSB (6/20) screen size quality clay products on pallets, delivered: <u>Ship to:</u> Payson, AZ. 85541 <u>Freight by:</u> TSB Provided Freight Payment Due in Advance of Shipping!	\$6,752.50 per truckload	\$13,505.00
Thank you for your business!		Total:	\$13,505.00

Image 10. Bentonite pricing