

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

Game Branch / HPC Project Number: 12-512

PROJECT INFORMATION

Project Title: Sand and Road Tank Project

Region and Game Management Unit: Region 5/GMU 30B

Local Habitat Partnership Committee (LHPC):
 • Sierra Vista-Douglas HPC

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: Dirt tank clean out

Brief Project Summary:

Dirt tank clean out by removing sediment from two large dirt tanks (Sand and Road) that have silted in over time. The two tanks were constructed in the 1940's and currently provide seasonal/limited water sources due to the lack of capacity.

Big Game Wildlife Species to Benefit: Mule Deer, Quail (Gambel's and Scaled), Javelina

Implementation Schedule (Month/Day/Year):

Project Start Date: Spring 2013

Project End Date: Spring 2013

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: \$ 7, 140.00
 \$ 7,140.00

Cost Share or Matching Funds: \$ 9,000.00 \$ 9, 000.00

Total Project Costs: \$ 16, 140.00 \$ **16, 140.00**

PARTICIPANT INFORMATION

Applicant (please print):

Jon McClard

Address:

555 N. Greasewood Road
 Tucson, AZ 85745

E-mail:

jmccclard@azgfd.gov

Telephone: 520-858-6479

Date: 8/23/12

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

Project has been coordinated with: Harvey Allen – Ranch owner, Brad Fulk; Wildlife Manager Supervisor/SEAZ HPC Coordinator, Terry Herndon; MDF

NEED STATEMENT – PROBLEM ANALYSIS:

Water is a critical resource in the arid Southwest and can positively benefit all wildlife species directly and indirectly by improving grazing regimes on rangelands. The range condition in the project area is improving due to extensive efforts by the ranch owner/lessee of the State Land, which these two dirt tanks are located on. These past and current efforts by the rancher includes grubbing approximately 1000 acres of private property in the past with plans to grub an additional 1000 acres of private property in mesquite infested high desert grassland. In addition to these range improvements, 5 wells have been drilled to provide permanent water to the majority of the ranch, resulting in new pastures dividing the range to improve the cattle distribution as additional water sources were developed. The Sand and Road Tanks are typically dry year long, with the Sand Tank occasionally holding water for up to 3 months a year during good monsoon events. The two tanks are located approximately 1.25 miles apart and are located 1.25 to 2.5 miles from a permanent water (Coyote Well). A large herd of Mule Deer are on the ranch and will directly benefit from the improvement of the two dirt tanks, as well as the quail species on the ranch.

Due to the proximity of the Allen Ranch to local agriculture fields bordering immediately to the east, the ranch has an unusually high density of mule deer as compared to similar habitat in other areas of the valley. This has persisted for well over a decade and will continue with continuing agriculture practices on adjacent properties. This presents an issue with continuous fence repair needs as well as a need for well distributed and available water sources.

The rancher is currently working on a 600 acre (\$150,000.00) mesquite grubbing project on the Allen Ranch funded by the Natural Resources Conservation Service (NRCS) and currently has an approved Coordinated Resource Management Plan (CRMP) with the NRCS. The rancher has owned the ranch for 17 years and has grubbed 920 acres of desert scrub in that time. The mesquite grubbing on the Allen Ranch has improved range conditions and has benefitted mule deer and quail (Gambel's and Scaled).

PROJECT OBJECTIVES:

Improve permanent water availability and holding capacity of Sand and Road Tank for Mule Deer, Javelina and Quail species on the Allen Ranch. Allow for improved range management by distributing grazing regimes on the ranch with available water sources while improving habitat conditions to provide cover for all wildlife species and restoring the high desert grassland.

PROJECT DESCRIPTION AND STRATEGIES:

Remove the sediment from Sand and Road Tank to allow for improved water holding capacity and create a permanent water source on the Allen Ranch for Mule Deer, Javelina, and Quail species.

PROJECT LOCATION:

The two dirt tanks are located on State Land, T20S, R25E, northeast ¼ of Section 28 (Sand Tank) and southwest ¼ Section 20 (Road Tank), Cochise County, Arizona – Game Management U30B. (see maps)

LAND OWNERSHIP AT THE PROJECT SITE(S):

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

- The project is on State Land leased by Harvey Allen of the Allen Ranch.

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

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

Foot access is allowed on state land and private property and by permission.

HABITAT DESCRIPTION:

Mesquite encroached High desert Grassland dominated by Lyman's Lovegrass with native grasses to a lesser extent. The elevation is 4535' at Road Tank and 4400' at Sand Tank.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

Diesel Fuel @\$3.95/gallon with 100 gallons used per day for the Bulldozer and 100 gallons used per day for the Loader =\$790.00 per day X 3 days=\$2370.00 per tank (x2 tanks) = \$4740.00 (Fuel Cost)

Labor @20.00/hour x 10 hour/day x 3 days x two operators =\$1200.00 per tank (x2 tanks) = \$2400.00 (Labor Cost)

Total SBG Funds - \$7140.00 (Fuel and Labor)

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

1 - D9 Bulldozer @ \$75.00 per hour x 10 hour/day x 3 days=\$2250.00 per tank (x2 tanks) = \$4500.00

1 - Front End Loader 75.00 per hour x 10 hour/day x 3 days=\$2250.00 per tank (x2 tanks) = \$4500.00

Total Cost Share - \$9000.00

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Harvey Allen – Allen Ranch Owner

Brad Fulk – Field Supervisor, Region V, Arizona Game and Fish Department.

Jon McClard – Wildlife Manager GMU 30B, Arizona Game and Fish Department

Matt Walton - Landowner Relations Coordinator, Region V, Arizona Game and Fish Department.

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

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

PROJECT MONITORING PLAN:

Documentation with photographs of the condition of both dirt tanks prior to and after project completion.

PROJECT MAINTENANCE:

Periodic removal of sediment with heavy equipment by the Allen Ranch.

PROJECT COMPLETION REPORT TO BE FILED BY:

Jon McClard – Arizona Game and Fish Department

PROJECT LOCATION:

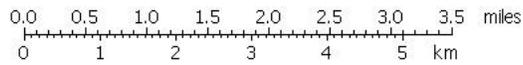
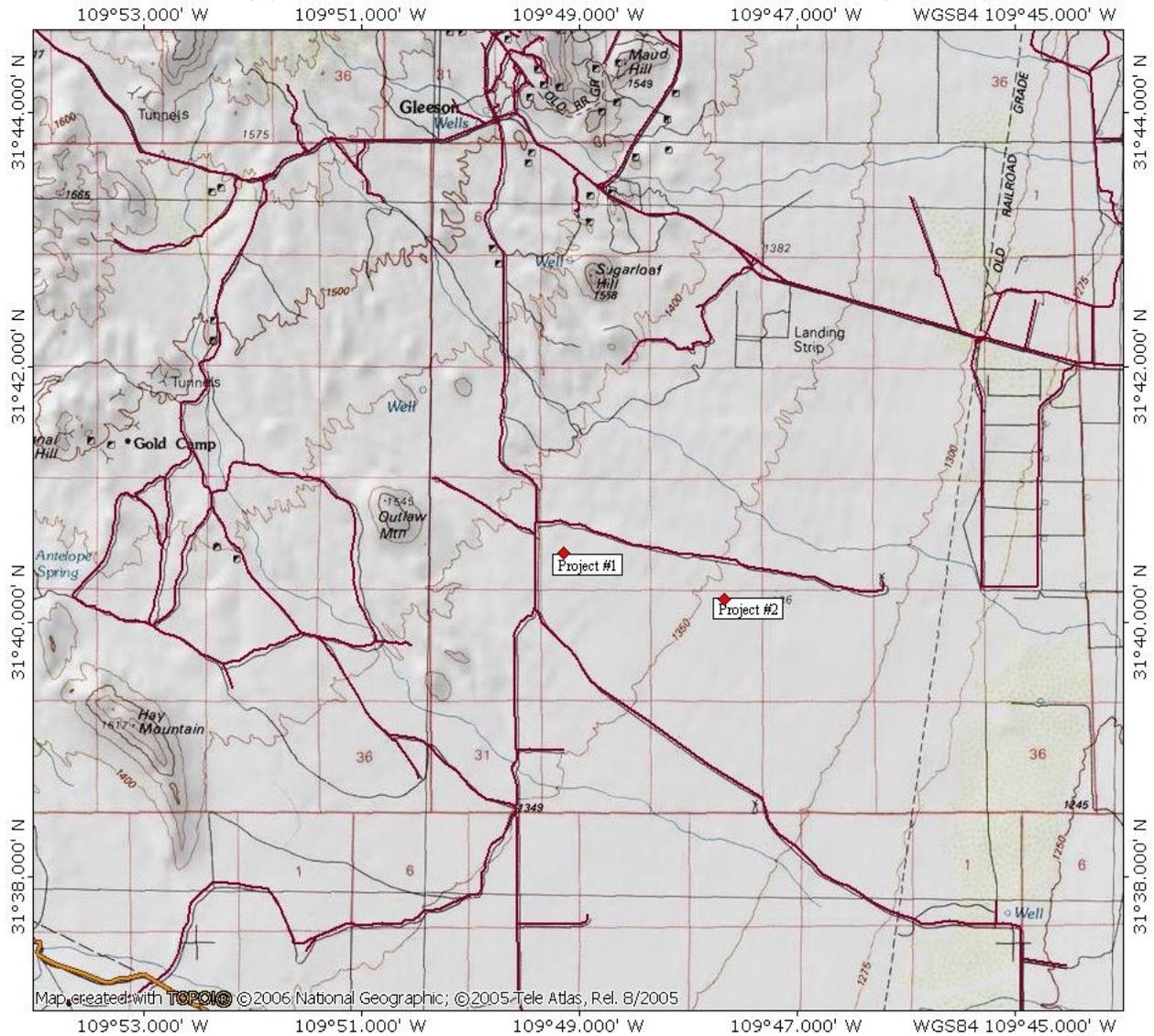
The two dirt tanks are located on State Land, T20S, R25E, northeast ¼ of Section 28 (Sand Tank) and southwest ¼ Section 20 (Road Tank), Cochise County, Arizona – Game Management U30B. (see maps)

WATER DEVELOPMENT PROJECTS (*please use the worksheet below*):

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

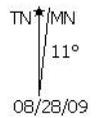
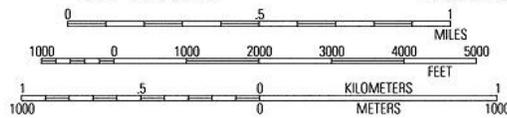
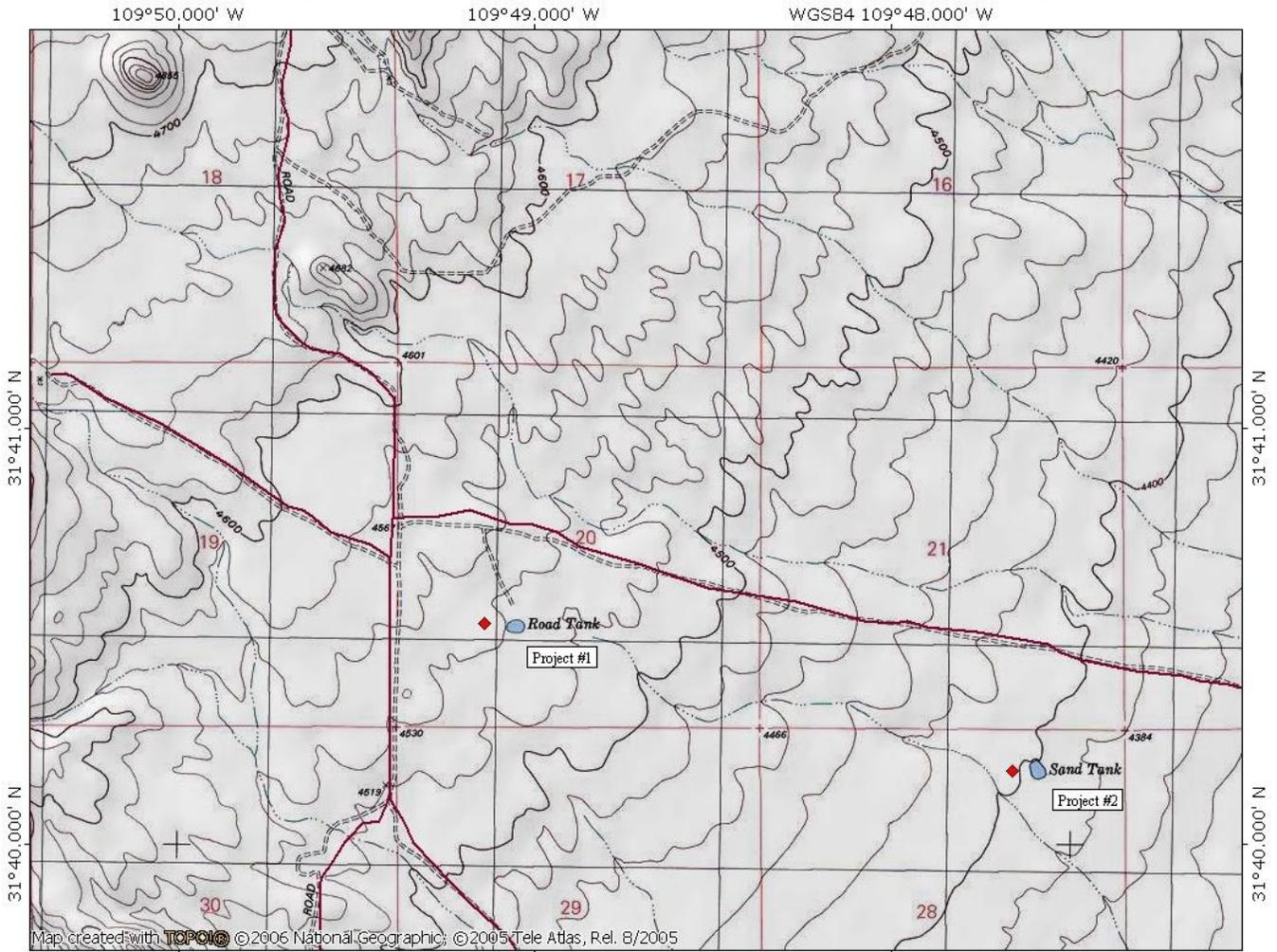
N/A

TOPO! map printed on 08/28/09 from "Road and Sand Tank HPC Map-U30B.tpo"



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TOPO! map printed on 08/28/09 from "Road and Sand Tank HPC Map-U30B.tpo"





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

PROJECT TITLE: Sand and Road Tank Project

- 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.**
N/A
- 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 (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: Coyote Well
Type of water source (catchment, spring, dirt tank): well
Ownership of water source: private
Distance in miles from project: 1.25 from Sand Tank and 2.5 from Road Tank
- 6) **Is the target wildlife species a result of transplant efforts? YES NO**
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**
N/A
- 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 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.**
- 10) **Was a site visit completed? Yes No**
If Yes, please list personnel that attended and date.
Brad Fulk, Arizona Game and Fish Department 8/21/09
Matt Walton, Arizona Game and Fish Department 8/21/09

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.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf

\$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				