

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

HPC Project Number:

17-523

**PROJECT INFORMATION**

<b>Project Title:</b>	Camp Grant Ranch Improvements Phase 1		
<b>Game Management Unit:</b>	37B	<b>Region:</b>	5
<b>Local Habitat Partnership Committee (LHPC):</b>	<b>Was the project presented to the LHPC?</b>		
Tucson	Yes (August 23,2017)		
<b>Project Location:</b> (Please provide <u>lat/long</u> 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).			
<p>TUNNEL WELL:: 32° 46.194'N, 110° 47.691'W  MOUNTAIN VIEW STORAGE TANK:: 32° 45.793'N, 110° 45.755'W  BLACK CORRAL: 32° 46.485'N, 110° 45.234'W  MIDDLE CHOLLA CORRAL: 32° 47.608'N, 110° 44.755'W  BIRD CORRAL: 32° 45.055'N, 110° 41.817'W  BLUE CORRAL: 32° 44.696'N, 110° 43.312'W  GREEN CORRAL: 32° 46.215'N, 110° 43.727'W</p>			
<b>SEE MAP (ATTACHED)</b>			
<b>Project Type:</b>	Water Project		
<b>Water Project Action</b> (if applicable):	Redevelopment		
<b>Habitat Restoration Action</b> (if applicable):	N/A		
<b>Other Project Type and Action</b> (if applicable):	N/A		
<b>Has this project been submitted in previous years?</b>	No		
<b>PROJECT SUMMARY</b>			
Describe the proposed action only. Please use plain English, what action are you proposing? (If applicable, please reference any completed compliance including EAC#).			
<b>Brief Project Summary:</b>			
<p>This project would improve water developments on the Camp Grant Ranch, located north of Mammoth, AZ. The Ranch Operator, Gregg Vinson, is currently working with AGFD and NRCS to work on a phased plan to improve water developments on the ranch and make them wildlife friendly. Planned improvements for Phase 1 include a solar pump, solar booster, pipeline, removal of unused corrals, and a cover for a storage tank. The Ranch Operator will install and maintain the planned improvements. The Ranch Operator is anticipating receiving NRCS EQIP funding in February 2018 which will be the cost share for this project.</p>			
<b>Primary Big Game Wildlife Species to Benefit:</b>	Mule deer, javelina, mountain lion		
<b>Implementation Schedule</b> (Month/Day/Year)	<b>START DATE:</b> March 1, 2018	<b>COMPLETION DATE:</b> June 30, 2020	

## PROJECT FUNDING

Project Funding	Itemized Use of Funds
<p><b>*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.</b></p> <p><u>HPC Funds Requested</u></p> <p><b>Amount: \$ 19,354.57</b></p> <p><u>Cost Share or Matching Funds</u></p> <p><b>Amount: \$ 34,003.71 (Possible EQIP Funding)</b></p> <p><u>Percent Match</u></p> <p><b>64%</b></p> <p><u>Total Project Cost</u></p> <p><b>Amount: \$ 53,358.28</b></p>	<p>Please email separate quotes if HPC funds are to be used to purchase materials or contracted labor: <a href="mailto:HPC@azgfd.gov">HPC@azgfd.gov</a>.</p> <p><b>HPC Funding</b></p> <p>Tunnel Well</p> <ul style="list-style-type: none"> <li>-Solar Pump Station 250-1000 watts \$1,648.23</li> <li>-Solar Booster Pump &gt;400' TDH \$2,618.68</li> <li>-Pipeline, HDPE (17,500ft) \$7,067.66</li> </ul> <p>Corral Removal</p> <ul style="list-style-type: none"> <li>-Bird Corral \$1,500.00</li> <li>-Blue Corral \$1,500.00</li> <li>-Green Corral \$1,500.00</li> </ul> <p>Storage Tank Cover ( Metal Corrugated Roofing)</p> <ul style="list-style-type: none"> <li>-Bird Storage Tank <u>\$3,520.00</u></li> </ul> <p><b>TOTAL \$19,354.57</b></p> <p><b>Possible EQIP Funding</b></p> <p>Tunnel Well</p> <ul style="list-style-type: none"> <li>-Solar Pump 250-1000 watts \$4,944.68</li> <li>-Solar Booster Pump, &gt;400' TDH \$7,856.05</li> <li>-Pipeline, HDPE (17,500ft) <u>\$21,202.98</u></li> </ul> <p><b>TOTAL \$34,003.71</b></p> <p><b>PROJECT TOTAL: \$53,358.28</b></p>

## 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](mailto:HPC@azgfd.gov)\*\*\*

<b>AGFD EA Checklist Completed:</b>	No	<b>Completion Date:</b>	To be completed upon funding
<b>NEPA Completed:</b>	N/A	<b>Completion Date:</b>	N/A
<b>State Historic Preservation Office/ Archaeological Clearance:</b>	No	<b>Completion Date:</b>	Minimal documentation needed, to be completed by ASLD or AGFD

## CONTACT INFORMATION

### Applicant

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

**APPLICANT NAME:** Gregg Vinson

**PHONE:** [REDACTED]

**ORGANIZATION:** Camp Grant Operator

**ADDRESS:** [REDACTED]  
[REDACTED]

**EMAIL:** [REDACTED]

### AGFD Project Proponent

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

**AGFD CONTACT NAME:** [REDACTED]

**PHONE:** [REDACTED]

### Cooperators

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

- Gregg Vinson, Camp Grant Ranch Operator: Installation and Maintenance
- AGFD: STL Allotment Lessee
- NRCS: EQIP Funding
- Arizona State Land Department: Permits

## 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:

Water is extremely scarce in the Camp Grant Ranch area, and there are no AGFD Water Catchments in the eastern portion of 37B. The Ranch Operator, Gregg Vinson, is currently working with AGFD and NRCS to work on a phased plan to improve water developments on the ranch and make them wildlife friendly. The Camp Grant Ranch is high quality mule deer habitat that includes good stands of jojoba, which is an essential evergreen browse species. The reduced livestock stocking rate being implemented by Gregg Vinson should improve browse availability, but water is still an issue in this area of 37B.

The Camp Grant Ranch has several wells that rely on a generator to pump water. Gregg Vinson has to transport the generator to each well to pump water, which is time consuming. As a result these waters may be shut off or not monitored when not in use by cattle. If these wells had solar pump systems, then the waters could be left on year round for wildlife.

Several of the storage tanks on the Camp Grant Ranch are open at the top. These open storage tanks lose water due to evaporation which puts more stress on the wells to supply additional water. The open tanks also pose an issue for birds and small mammals that get into the tanks, and then cannot climb out. Covers will be added to three open storage tanks.

There are several unused corrals on the ranch. These corrals are extremely unfriendly to wildlife and make it

difficult for deer and javelina to access the water troughs within the fencing, even with open gates. If these corrals were removed, the existing water troughs would be more wildlife friendly and increase wildlife access to water.

Projects like this one allow the AGFD to work cooperatively with ranchers to better manage both wildlife and livestock. Adding these planned improvements on the ranch, to develop permanent water sources and spread out the availability of water, will greatly benefit the livestock and wildlife in the area. By dispersing the water sources grazing intensity will also be lessened and overall range and plant health should improve. With reduced grazing pressure and increased availability of water, the AGFD expects it to result in increased mule deer survivorship and fecundity during drought, helping to stabilize the mule deer population in 37B which is subject to heavy declines following drought.

#### **PROJECT DESCRIPTION AND STRATEGIES:**

Phase 1 of the planned Camp Grant Ranch Improvements will involve the following:

Installing a new solar pump (250-1,000 watts) and solar booster pump (>400' TDH) at the existing Tunnel Well. The existing leaking pipeline between Tunnel Well, Mountain View Storage Tank, and Black Corral will be replaced with High-Density Polyethylene (HDPE) Pipe. A total of 17,500 feet of new HDPE pipe will be installed. Three existing corrals will be removed to allow wildlife to access water troughs at Bird Corral, Blue Corral, and Green Corral. A cover will be added to the storage tank at Bird Corral.

#### **LAND OWNERSHIP AT THE PROJECT SITE(S):**

The project site is on State Trust Land, administered by the Arizona State Land Department

#### **PROJECT MONITORING PLAN:**

Gregg Vinson will monitor the solar pumps, solar boosters, pipelines, and storage tanks. The area WM and other AGFD staff will check troughs periodically when they are in the area to make sure water is available to wildlife in the troughs.

#### **PROJECT MAINTENANCE:**

The maintenance of this project will be the responsibility of Gregg Vinson.

#### **PROJECT COMPLETION REPORT TO BE FILED BY:**

██████████

#### **SUPPORTING DOCUMENTS LIST:**

AGFD Water Development Worksheet  
Pictures  
Maps  
NRCS EQIP Cost Worksheet

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

**PROJECT TITLE:** Camp Grant Ranch Improvements Phase 1

- 1) **Was a site visit completed (Date and with whom)?**  
June 9, 2017 - [REDACTED]
- 2) **If this is a dirt tank project, has the site historically held reliable water?**  
N/A
- 3) **If this is a dirt tank project and soil data is available, what type of soil is at the site?**  
N/A
- 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?"**  
N/A
- 6) **If this is a water catchment project, please list the Development Branch personnel coordinated with:**  
N/A
- 7) **Is there a perennial water source available to big game within four miles of this project?**  
Yes, but no AGFD water catchments. The only water available are ranch waters, and if they are not functioning then there is no water available within 4 miles.