

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

HPC Project Number:

17-517

PROJECT INFORMATION

Project Title:	Table Mountain Water Project		
Game Management Unit:	32	Region:	5
Local Habitat Partnership Committee (LHPC):		Was the project presented to the LHPC?	
Tucson HPC		Yes (August 23, 2017)	
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).			
<p>MARTINEZ WELL: 32° 48.468'N, 110° 34.397'W</p> <p>HORSE CAMP WELL: 32° 45.918'N, 110° 30.484'W</p> <p>SEE MAP (ATTACHED)</p>			
Project Type:	Water Project		
Water Project Action (if applicable):	Redevelopment		
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 will add improvements to the Table Mountain Ranch, Northeast of Mammoth, AZ. The planned improvements involve adding solar pumps to two existing wells. These improvements will provide dependable, long term, self-sustaining, quality water sources for both livestock and wildlife. The majority of funding for the improvements will be provided by NRCS EQIP funds. The rancher will install and maintain the planned improvements.

Primary Big Game Wildlife Species to Benefit:	Mule Deer, White-tailed Deer, Javelina, Mountain Lion
Implementation Schedule (Month/Day/Year)	START DATE: March 1, 2018
	COMPLETION DATE: March 1, 2020

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> Amount: \$5,000.00 <u>Cost Share or Matching Funds (NRCS EQIP)</u> Amount: \$9,890.00 <u>Percent Match</u> 66% <u>Total Project Cost</u> Amount: \$14,890.00	<u>HPC Funds</u> Martinez Well -Solar Pump \$1,648.33 Horse Camp Well -Solar Pump \$1,648.33 <u>Labor/Materials (Plumbing)</u> \$1,703.34 Total \$5,000.00 <u>NRCS EQIP Funds</u> Martinez Well -Solar Pump \$4,945.00 Horse Camp Well -Solar Pump \$4,945.00 Total \$9,890.00 PROJECT TOTAL: \$14,890.00

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:	To be completed by AGFD	Completion Date:	Will be completed if funded
NEPA Completed:	N/A	Completion Date:	N/A
State Historic Preservation Office/ Archaeological Clearance:	To be completed and filed by NRCS	Completion Date:	November 2017

CONTACT INFORMATION

Applicant

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

APPLICANT NAME: Harriet Hedrick

ORGANIZATION: Table Mountain Ranch

ADDRESS: [REDACTED]
[REDACTED]

PHONE: [REDACTED]
[REDACTED]

EMAIL: [REDACTED]

AGFD Project Proponent

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

AGFD CONTACT NAME: Allison Dutt

PHONE: 520-401-4749

Cooperators

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

- AGFD (HPC Funding, EAC)
- NRCS (EQIP Funding and Cultural Resource Survey)
- Harriet Hedrick (Installation and Maintenance)

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 a critical component of wildlife habitat. Wildlife habitat, no matter how attractive, will not be utilized if it is not near a source of water. Water sites should be no more than 2-3 miles apart and even closer in rough terrain (Wildlife Management Handbook, Managing Desert Mule Deer). WAFWAs Habitat Guidelines for Mule Deer support this, suggesting that water sources not be more than 3 miles apart so all mule deer habitat is within 1.5 miles of a permanent water source (Brownlee 1979, Dickinson and Garner 1979).

Water is extremely scarce in the area in and around Table Mountain Ranch. The Table Mountain Ranch has two existing wells, Martinez Well and Horse Camp Well. The windmill at Martinez Well is non-operational and they can no longer find replacement parts to maintain it. Horse Camp Well is currently being pumped with a portable generator. Table Mountain Ranch plans to install solar pumps on both wells which will provide dependable, long term, self-sustaining, quality water sources for both wildlife and livestock.

The objectives of this project are to work cooperatively with ranchers to better manage both wildlife and livestock; to increase deer and javelina populations by providing quality water sources and by increasing the use of otherwise unavailable forage resources; and to increase hunter opportunity. The two new solar pumps will benefit 8,960 acres of wildlife habitat, or a 1.5 mile radius around each livestock water.



Picture 1:
Martinez Well storage tanks and drinker.



Picture 2:
Martinez Well inoperable
windmill



Picture 3:
Horse Camp Well

PROJECT DESCRIPTION AND STRATEGIES:

Harriet Hedrick will be installing two new solar pumps on existing wells on the Table Mountain Ranch. One solar pump will replace an inoperable windmill on Martinez Well. The other solar pump will be put on Horse Camp Well.

Installation shall be in accordance with all NRCS drawings, specifications and special requirements. Installation shall be done in such a manner that erosion and air and water pollution are minimized and held within legal limits.

LAND OWNERSHIP AT THE PROJECT SITE(S):

Private (Harriet Hedrick, Landowner). A cooperative big game stewardship agreement between the AGFD and Harriet Hedrick will be developed if the project is funded.

PROJECT MONITORING PLAN:

Harriet Hedrick will monitor the wells and solar pumps.

PROJECT MAINTENANCE:

The installation and maintenance of this project will be the responsibility of Harriet Hedrick.

PROJECT COMPLETION REPORT TO BE FILED BY:

Allison Dutt, AGFD

SUPPORTING DOCUMENTS LIST:

AGFD Water Development Worksheet

NRCS EQIP Funding Map

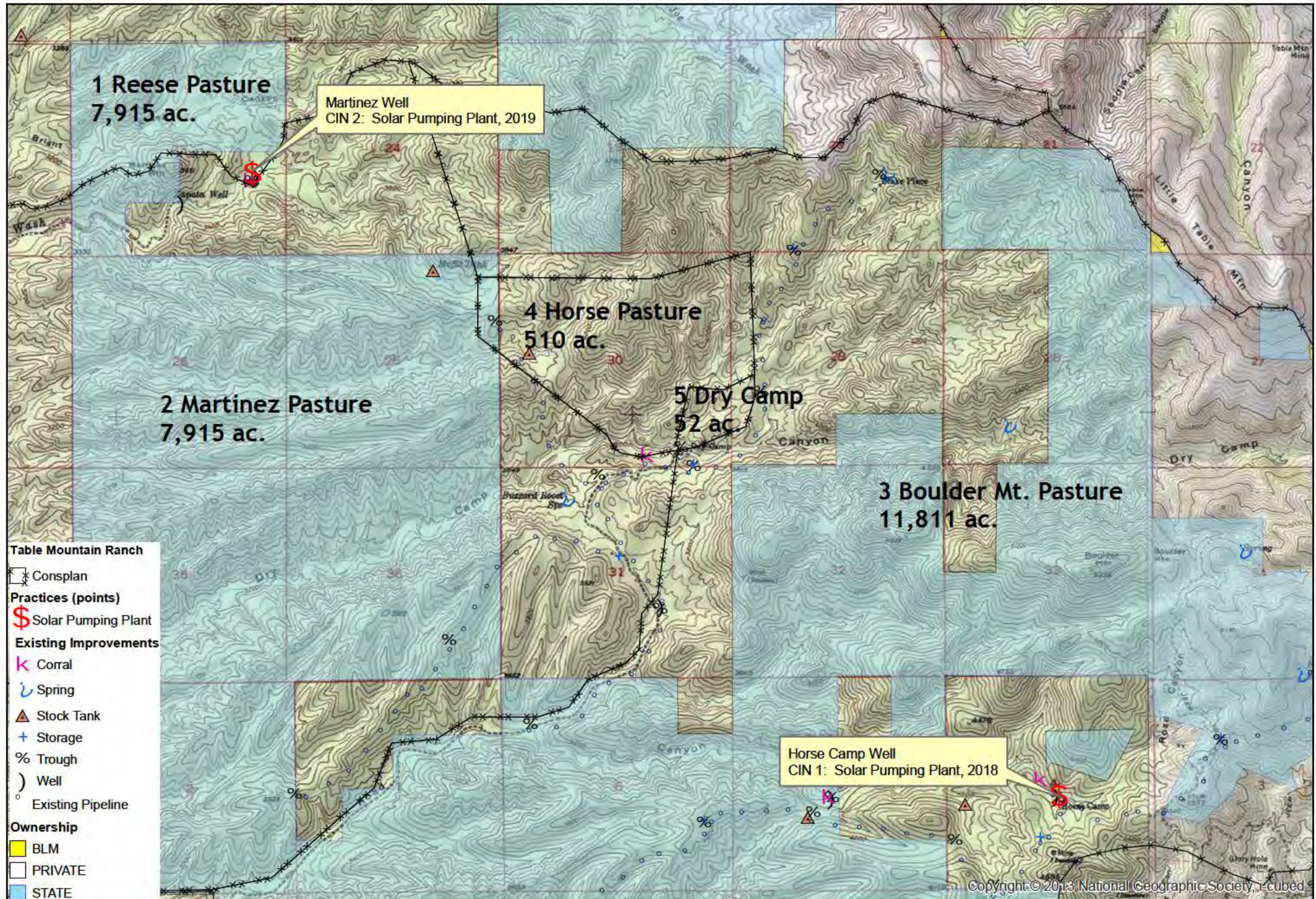
NRCS EQIP Contract

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

PROJECT TITLE: Table Mountain Water Project

- 1) **Was a site visit completed (Date and with whom)?**
January 9, 2017 - Alisha Phipps (NRCS)
August 21, 2017 - Allison Dutt (AGFD)
- 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?”**
No
- 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

Table Mountain Ranch LLLP
EQIP 2017
Conservation Plan Map



0 0.125 0.25 0.5 0.75 1 Miles

