



Water Quality Improvement Grant Program
Grant Agreement EV14-0015 (15-002)

ORIGINAL
SURFACE WATER

NOV 24 2014

RECEIVED

Project Title: Three Brothers Ranch
Expiration Date: November 30, 2015
Dollars Matched: \$42,500.00
Dollars Awarded: \$50,800.00

Between
Arizona Department of Environmental Quality
and
Lazy T & P Cattle Company

This Grant Agreement is established between the State of Arizona Department of Environmental Quality, located at 1110 West Washington Street, Phoenix, Arizona 85007 ("ADEQ" or "Department") pursuant to Arizona Revised Statutes (A.R.S.) § 41-2701 et. seq. and A.R.S. § 49-104 and ("Grantee"). This Grant Agreement includes the attachments listed below. Incorporated by reference, this Grant Agreement also includes the ADEQ Water Quality Improvement Grant Program Request for Grant Applications (EV13-001). I'm tire

Attachment 1: Grant Application

Attachment 2: Water Quality Improvement Grant Agreement Terms and Conditions

Attachment 3: SHPO Response

Special Conditions

1. Attachment 1 includes the approved project scope of work and budget. Any adjustments shall be pre-approved by ADEQ.
2. Grantee shall work with ADEQ staff to develop a complete and approved monitoring plan prior to on-the-ground activities that reflects grantee and ADEQ responsibilities.
3. Grantee agrees to coordinate with ADEQ for water quality sampling and best management practice effectiveness monitoring.
4. To aid with effectiveness monitoring, grantee agrees to share basic information regarding grazing management practices with ADEQ.
5. Grantee shall provide the required information to ADEQ to obtain SHPO clearance for projects and update Work Plan Steps and Milestones. No on-the-ground work shall be initiated on a project of concern until SHPO clearance has been secured for the specific project.
6. Grantee will work with the ADEQ Project Manager to develop a complete Work Plan Steps & Milestones to be approved by the ADEQ Project Manager. Work Plan Steps & Milestones must be approved prior to beginning on-the-ground work.
 - a. Grantee shall include outreach activities in the Work Plan Steps and Milestones
 - b. Grantee shall provide documentation from permitting agencies as to the expected timeline for receiving permits and include these dates into the Work Plan Steps & Milestones.

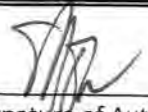
In witness whereof the parties hereto agree to carry out the terms of this Grant Agreement.

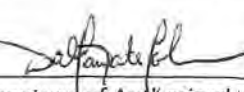
Arizona Department of Environmental Quality

Lazy T & P Cattle Company

Michael A. Fulton, ADEQ Water Quality Division Director

Wallace Coleman, Authorizing Agent


Signature of Authorized Individual


Signature of Authorized Individual

Date: October 16, 2014

Date: Nov. 21st 2014

Final Application

Arizona Department of Environmental Quality
Water Quality Improvement Grant Program
Grant Application Form

Additional instructions for this application can be found in the ADEQ WQIG Cycle 15 Request for Grant Applications (RFGA) located on the ADEQ website at: www.azdeq.gov/environ/water/watershed/improvement.html. Please read the RFGA in its entirety before filling out your application.

Type of Application

☒ WIP Implementation ☐ WNPS Project

Project Title

Three Brothers Ranch

Project Description

Clearing out of dirt tanks to improve health of livestock and wildlife by providing more water resources, water reliability and distribution. Chemical management of overgrown brush will then allow for regrowth of grasses and new vegetation, thereby providing not only nourishment for livestock but for wildlife in the area as well. The new vegetation will also assist in the slowing of E. Coli contaminated run off, particularly during monsoon season, as well as the washing away of current loose top soils causing erosion and sedimentation in the San Pedro River. Fencing will also improve grazing management by allowing for pasture rotation, thus increasing plant production in the area not only for livestock but this will benefit the area wildlife as well.

Authorizing Agency- Name of agency/company/person/tribal authority who is applying for the grant.

Name

Lazy T & P Cattle Company

Address

PO Box 591

City

Willcox

State

AZ

Zip Code

85644

Authorized Agency Contact- Person who will accept responsibility for the terms and conditions of the Grant Agreement. This person must sign the signature page

Last Name

Coleman

First Name

Wallace

Initial

T

Title

Rancher

Phone Number

+1 (520) 507-2439

Fax Number

E-mail

rlclam83@gmail.com

Project Manager- Person who will have the day-to-day knowledge of the projects and should be contacted if clarification is required.

Last Name

Coleman

First Name

Wallace

Initial

T

Title

Rancher

Phone Number

+1 (520) 507-2439

Fax Number

E-mail

rlclam83@gmail.com

Project Period

☒ 0-1 year ☐ 2 years

It is ADEQ's preference to award WIP implementation projects that will be prepared to initiate implementation activities shortly after awards are made and which will not take greater than one year to complete. If more than 1 year is needed, please provide justification.

Final Application Content

I. Desired Outcomes

Describe the desired outcomes of this project

The desired outcome is better distribution of livestock, and reduction of shrub cover, resulting in an increase in perennial grasses across the rangeland, which will slow run off, and reduce erosion into the San Pedro River.

II. Pollutant(s) of Concern

a. Select the pollutant(s) of concern that this project will address.

Primary Pollutant Pathogens (E Coli)

Secondary Pollutant if any Sedimentation-Siltation

Other

b. Will this project be able to provide load reduction data?

☐ Yes ☒ No

c. Provide estimated load reductions for projects.

The Three Brothers Ranch allotment near the San Pedro River is available for chemical brush treatment. By treating the area with an

III. Location and Land Ownership

City/Town Tombstone

County Cochise

Land Ownership State Trust Land, State BLM and Private Ownership

Provide Latitude and Longitude for the main location of the project

Latitude 110° 9' 31.3" W

Longitude 31° 43' 32.99" N

31.7258306

-110.1586944

IV. Background Information

Provide some background information about the project, including what is already known about the nonpoint source issues in the watershed, and what past work the project is building on. Reference previous projects (WQIG and other), data, monitoring, or planning that has been done to address the nonpoint source issue of concern.

Drought conditions and sedimentation of dirt tanks on this property have caused once reliable water sources to become non-functioning. This has led to over-grazing in areas close to reliable water. Past grazing history has also led to an encroachment of shrub species across the landscape, causing a reduction in perennial grass cover, which contributes to erosion of the soil. By increasing the number of water sources, and number of pastures, livestock can be better distributed across the ranch. Treating the shrub cover with herbicide will help restore native grasslands across the landscape as well. There have been many landowners in the watershed who have addressed these issues in a similar manner; satellite images show large expanses of land in the watershed that have also been treated with Spike (tebuthion), and are now growing grasses and forbs instead of shrubs.

V. Scope and Scale of Watershed

a. Define the scope and scale of the watershed that your project will be addressing. Include a map that clearly shows the boundaries of the watershed of concern, and its location in relation to known water quality impairments as well as the greater watershed.

San Pedro River from Babacomari Creek to Dragoon Wash. See attached maps.

b. Provide the HUC associated with the project area. Projects should ideally focus on 10 or 12 digit HUCs, although slightly larger or smaller drainages may be feasible dependent upon the project.

HUC 15050202, HUC 150502020705, HUC 150502020607, HUC 150502020608 HUC 150502020701

c. What water body is being impacted by this nonpoint source issue?

San Pedro River

d. Is this water body identified as impaired based on ADEQ's 2010 Status of Ambient Surface Water Quality in Arizona - Arizona's Integrated 305(b) Assessment and 303(d) Listing Report? Both reports can be found at www.azdeq.gov/envirom/water/assessment/assess.html