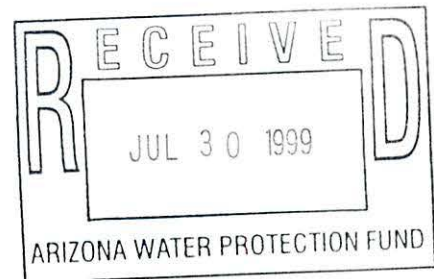


# RIPARIAN & WATERSHED ENHANCEMENTS ON THE A7 RANCH

Lower San Pedro River



1999 AWPf Grant Proposal



# Credentials

**Writing.....Bart McGuire**

**Ranch Manager .....Bart McGuire**

**Composition .....Gabriela Vega**

**GIS/GPS .....Brian Kimball**

**Travis DiScenza**

**Photography & Photo Composition.....Geoff Greene**

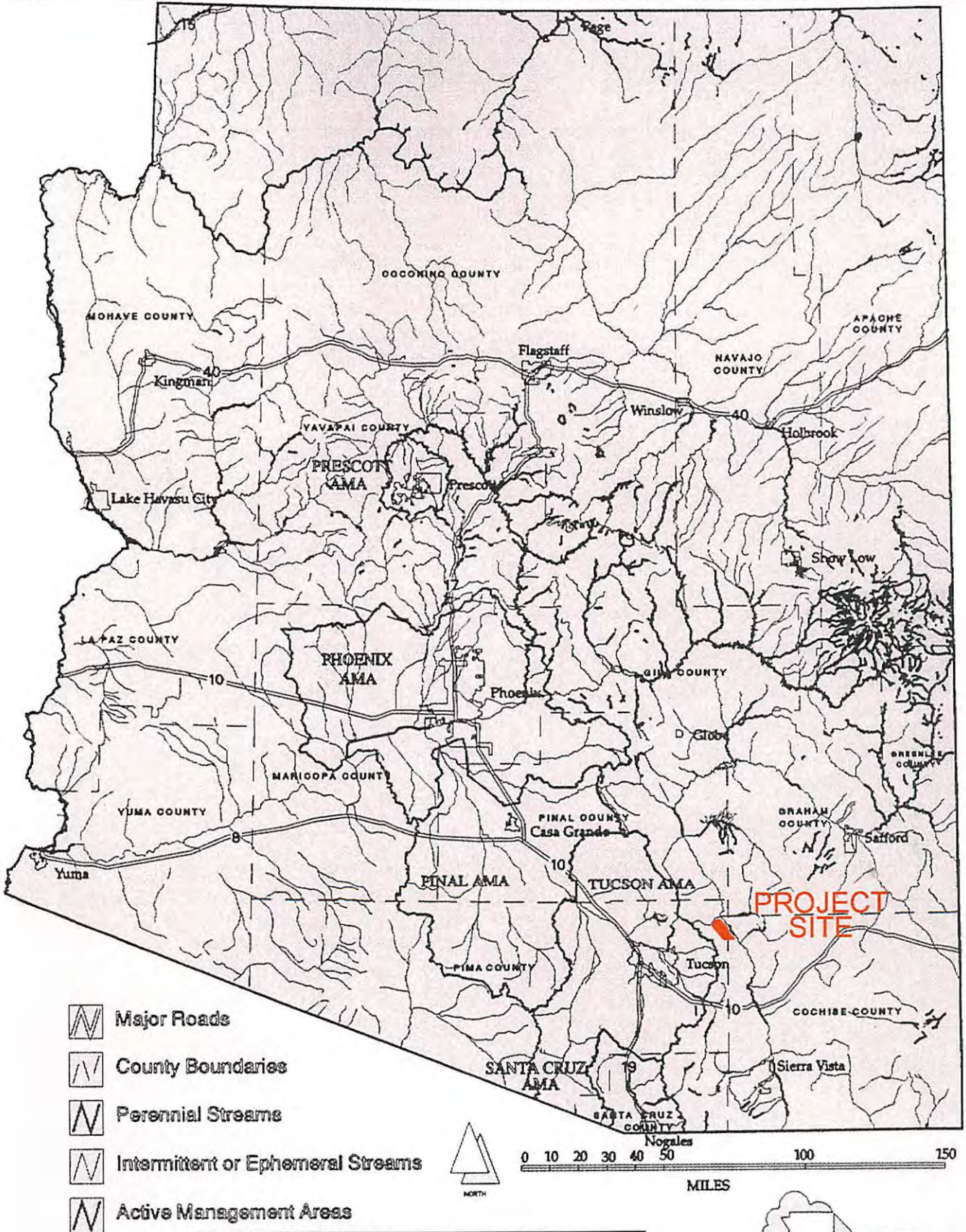
**Travis DiScenza**






**CAD .....Geoff Greene**

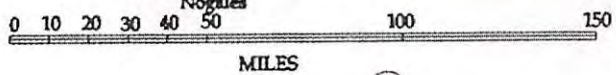




Indicate on the map the approximate location of your project. Ensure that your markings are clearly visible on all five copies submitted.



-  Major Roads
-  County Boundaries
-  Perennial Streams
-  Intermittent or Ephemeral Streams
-  Active Management Areas



PROJECT NAME:

**RIPARIAN & WATERSHED  
ENHANCEMENTS  
ON  
THE A7-RANCH**





## Summary Page

**Limit this section to one page only!!** Begin this summary with a single sentence clearly stating the purpose of the project. List objectives, describe methods to be used, describe all major project features for which funding is being requested (which must also be indicated on the schematic drawing required on the next page) and indicate the significance of the proposed work to the maintenance, enhancement or restoration of Arizona's rivers, streams and associated riparian or aquatic habitats.

**Summary:** If successful in this proposal, the City's intent is to utilize the A7 Ranch as a Grass Bank for the Redington Natural Resource Conservation District (NRCD), it's members and surrounding neighbors along the Lower San Pedro River. The City of Tucson owns and operates the A7 Ranch (formerly the Bellota Ranch) in the Redington (NRCD). The A7 is located between Redington and Cascabel on the West side of the San Pedro River, in Southeastern Arizona.

Grass Banking will help aid in promoting and protecting water quality and quantity and aid in maintaining and enhancing the Riparian areas through-out the region. The A7 Ranch will be available to area ranchers for use by their cattle, though approved pasture agreements in compliance with the State grazing lease. A committee will determine usage, based on existing area plans and future goals and objectives for the Redington NRCD and the Lower San Pedro region. For example – a natural fire burns large areas of the watershed and adjoining riparian habitat on the C-Spear Ranch. The committee determines that the land needs to be rested for two(2) years. A pasture agreement is processed with the State, in compliance with the lease, and the cattle are moved to the A7 for the following two years.

GrassBanking is a relatively new concept and has proved highly successful with the Malapai Borerlands Group in Southeastern Arizona and the boot heel region of Southwestern New Mexico. The Quivira Foundation in Northern New Mexico is receiving tremendous support and participation for their GrassBanking Coalition. Through utilization of the A7 as a Grass bank for the area, a much larger area of the Watershed along the Lower San Pedro will realize benefits from investments made by this project. The following Goals and Objectives should be accomplished on the A7, as well as throughout the Redington District and Lower San Pedro River by participation in the Plan and Management objectives for the area:

### Goals and Objectives

- 1) Maintain, enhance and expand Riparian areas on the A7 and hopefully throughout the region.
- 2) Improve Range conditions at the A7 and within the District.
- 3) Reduce sediment transport from the Watersheds.
- 4) Increase or maintain ground water levels on the A7.
- 5) Stop the loss of our dwindling Grasslands through proper grazing use.

### Additional Benefits:

- 6) Maintain the Wildlife corridors between the Rincons, Santa Catalina and Galiuro mountain ranges.
- 7) Preserve open spaces.
- 8) Insure multiple Wildlife benefits and,
- 9) Enlighten, maintain and preserve our Cultural and Pre-Historic Heritage throughout the Region.

Goals and objectives 1-5 apply to this Grant application and Benefits 6- 9 will be in addition to, but part of the overall management plan. The Projects associated with this proposal will meet these objectives by accomplishing the following:

### Methods of Accomplishment:

- 1) Move existing livestock watering facilities out of sensitive riparian areas.
- 2) Fence off certain Perennial Riparian waters for Wildlife use only.
- 3) Cross fencing of large pastures for better utilization of the range resources.
- 4) Supply livestock water to remote range sites for better range utilization.
- 5) Expand riparian areas, improve range sites and reduce sediment transport through a properly designed rest, rotation and defered grazing schedule.
- 6) Decrease depth to ground water levels over time through the re-introduction of natural and prescribed burns to save and expand the grasslands.
- 7) Increase aquatic and wildlife habitat by fencing and completion of the Wildlife Habitat Incentive Program (WHIP) project component of this plan (Federally Funded).
- 8) Maintain and Enhance Riparian areas throughout the region through use of the A7 as a Grass Bank for the Redington NRCD and
- 9) Develop collaborative agreements with District members, various Agencies and Neighbors to accomplish these same goals and objectives throughout the Lower San Pedro Region, by coinciding with the existing long range management plans for the area.

This project will create a win-win situation for the affected areas on the Lower San Pedro River. Through the proper use of the management plan – grazing numbers will be reduced, Riparian and Watershed areas can be rested, allowed to recover and expand over time. Collaboration and Partnering will create an atmosphere for working together and toward common goals – that address all concerns. Archeological investigations will occur on the uplands and expand our knowledge of past climate, social and cultural aspects of the region's heritage. Public outreach components will be developed through the NRCD's Ed Center and urban school districts, to inform and educate people about open spaces, wildlife corridors, the importance of grasslands, Riparian areas and their significance to an overall healthy environmental ecosystem. This Project is unique – as it allows for an altruistic approach, by all the Partners, in preserving and passing along these Natural gemstones to future generations.



**Archeological review of prehistoric history is lacking on the Lower San Pedro River uplands. SHPO requirements on this project will greatly expand the limited knowledge in these areas.**



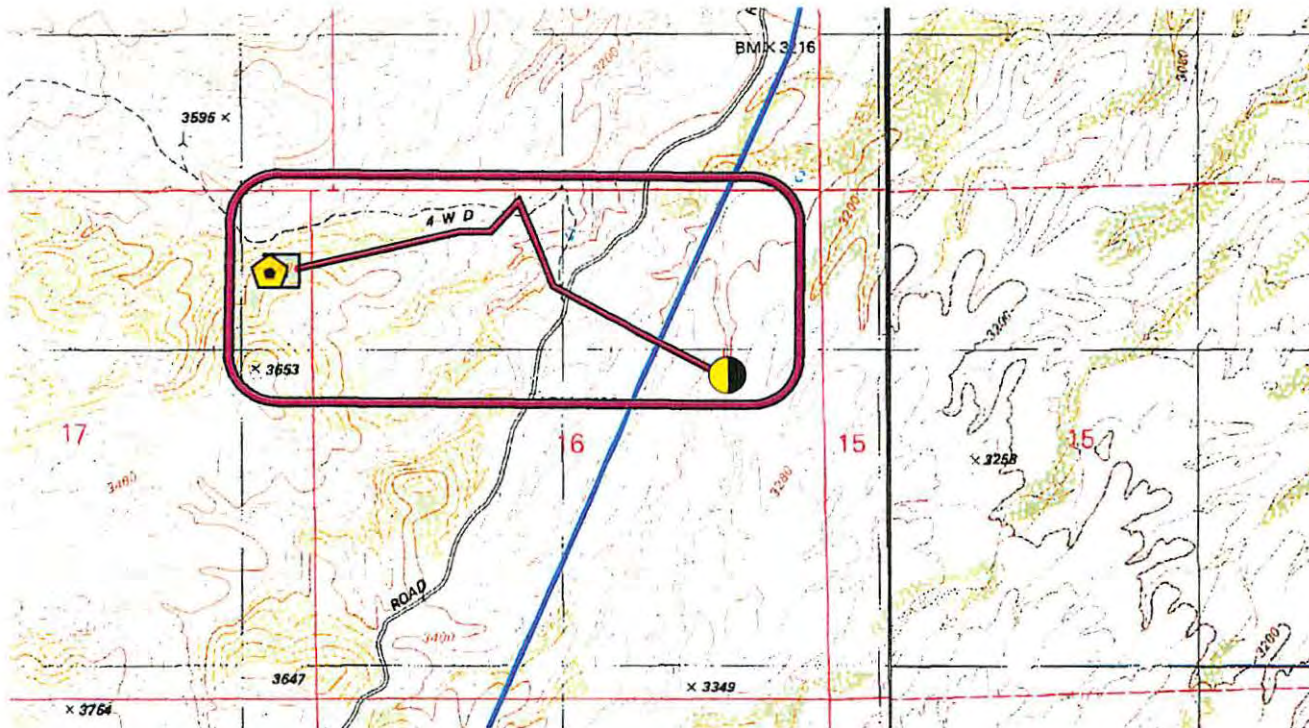
## Project Schematic Drawing

For projects involving construction and/or investigation of several physical features, include in this space a schematic drawing showing all the important project features located in relationship to one another and in relationship to important site physical features. This should be to scale and should visually indicate all project features for which funding is requested. The drawing must include the locations of the project features which are discussed within the proposal (e.g. locations of checkdams, revegetation areas, fence lines, water distribution systems, etc.) and existing or planned well and gage locations. Drawing shall meet the following criteria: size: 8.5" by 11"; contain a north arrow; scale; and contain a project title and date of preparation. Submit as many drawings as needed to demonstrate all project features.

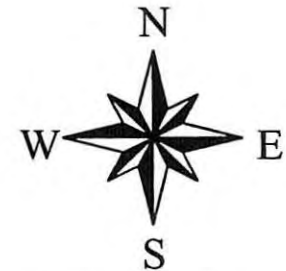
**Please see the following attached Project maps.**

# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River

## Project #1



Proposed underground water line  
to Field #1 with relocation of  
existing tank and trough



1" = 2000'

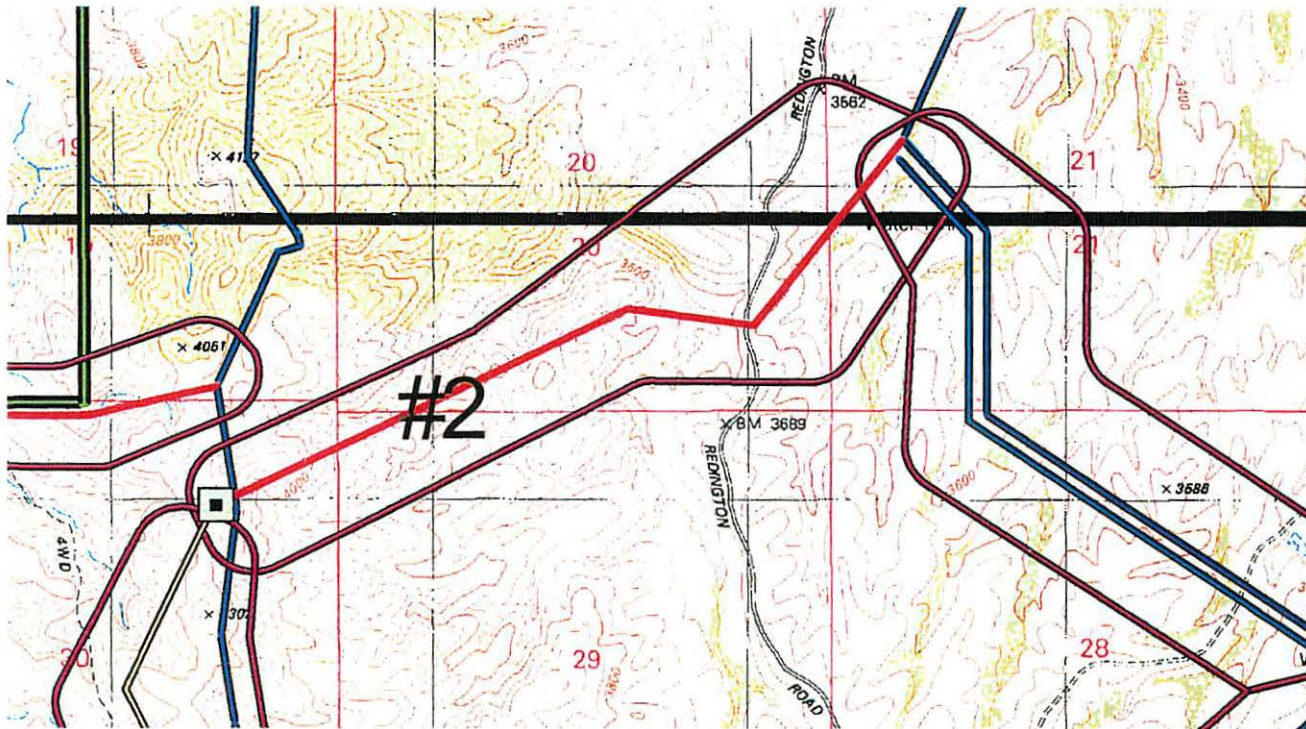
1:24000

-  Existing trough
-  Wells
-  Storage tank
-  Troughs
-  Pumps
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

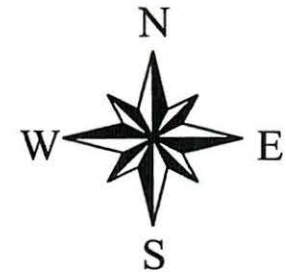


# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River

## Project #2



Proposed fence



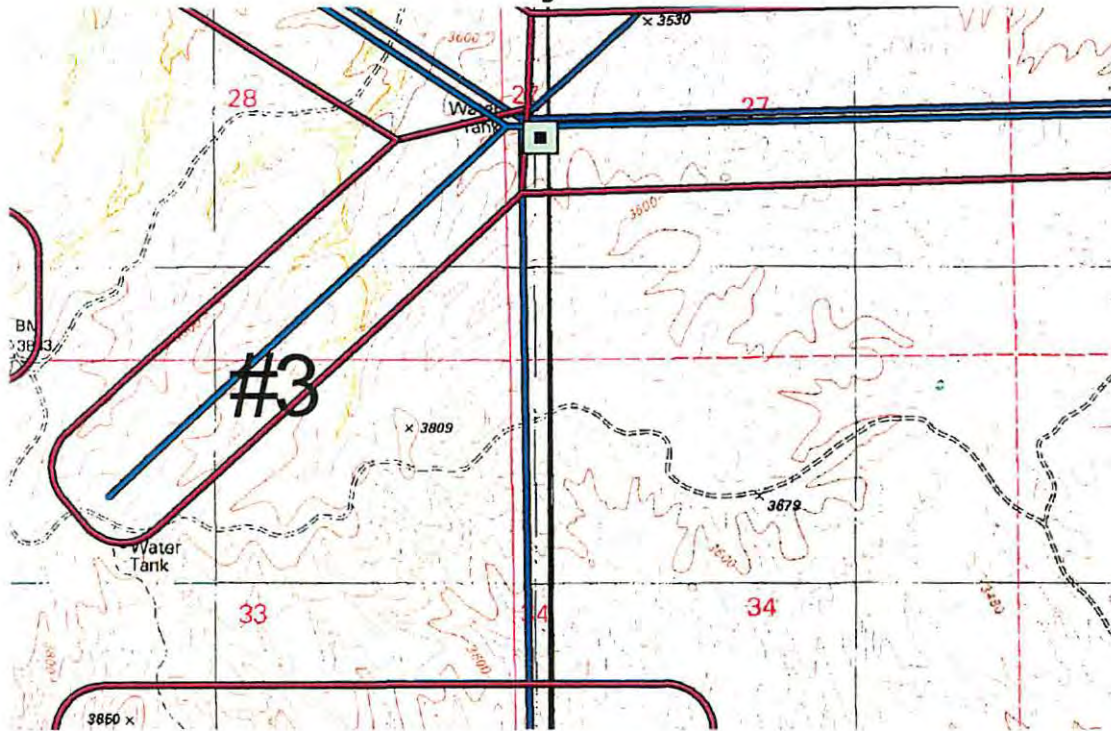
1" = 2000'

1:24000

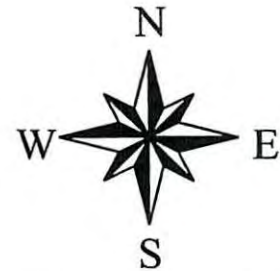
-  Well
-  Trough
-  Storage tank
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River

## Project #3



Proposed underground water line replacement and storage



1" = 2000'

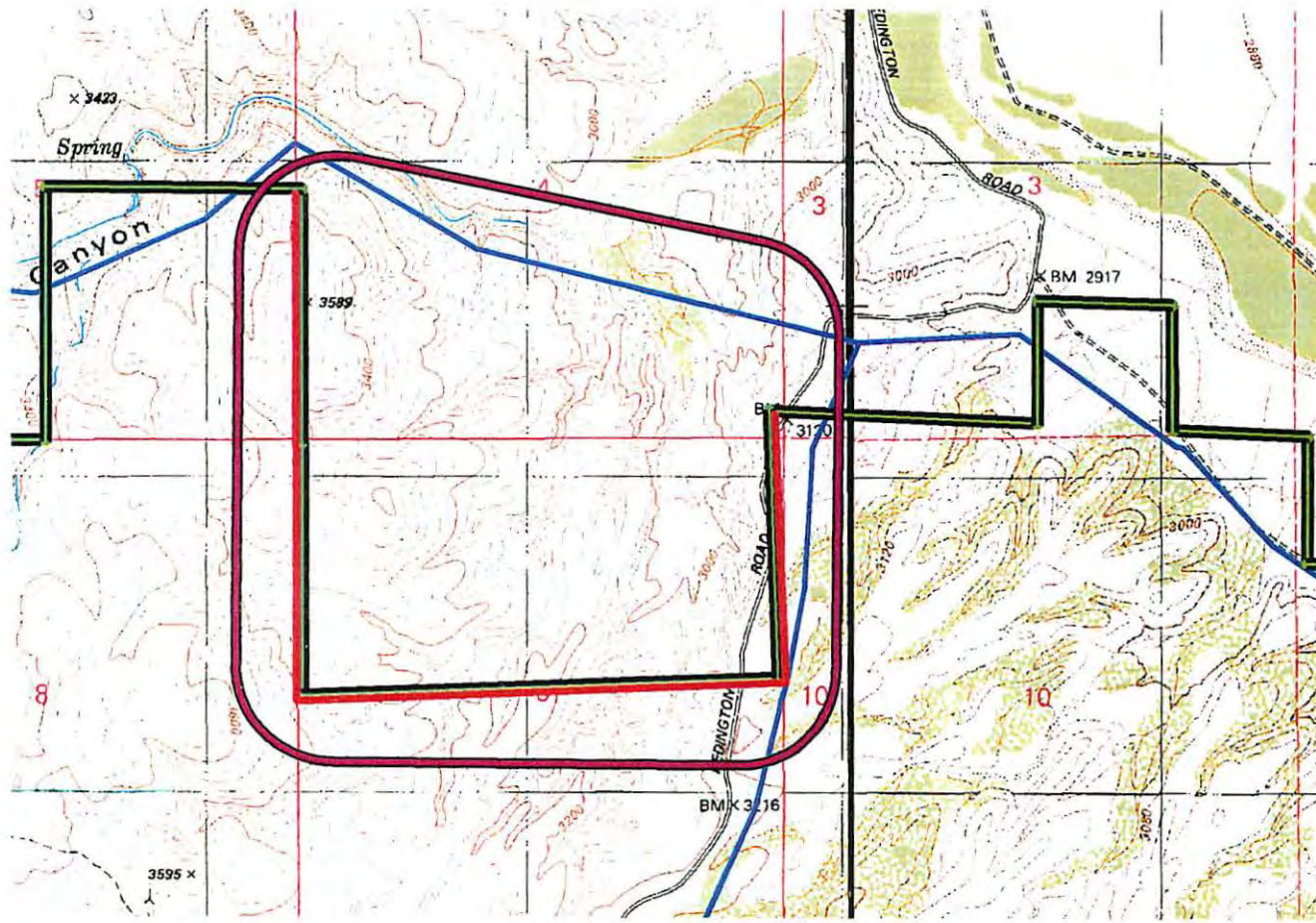
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-  Well
-  Trough
-  Storage tank
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

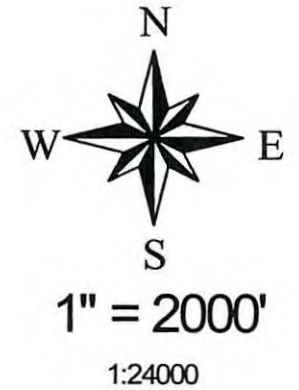





# Project #4

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River



Proposed fencing

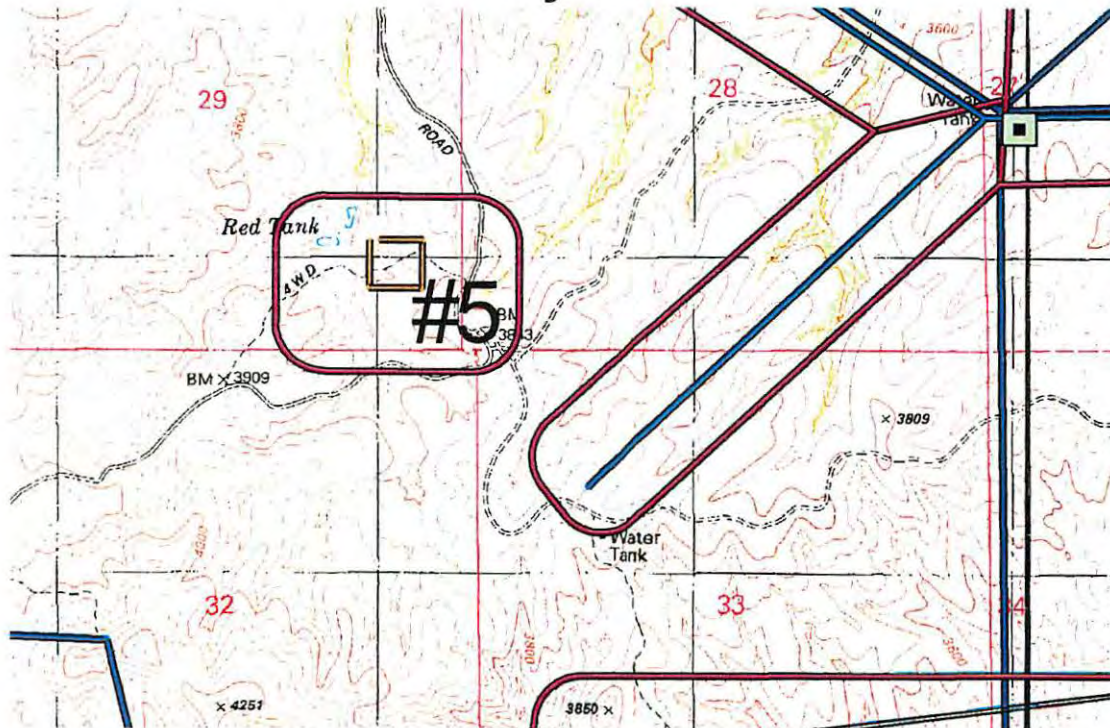


-  Existing trough
-  Wells
-  Storage tank
-  Troughs
-  Pumps
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence



# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River

## Project #5



Rebuild burnt corrals



1" = 2000'

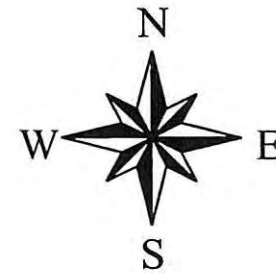
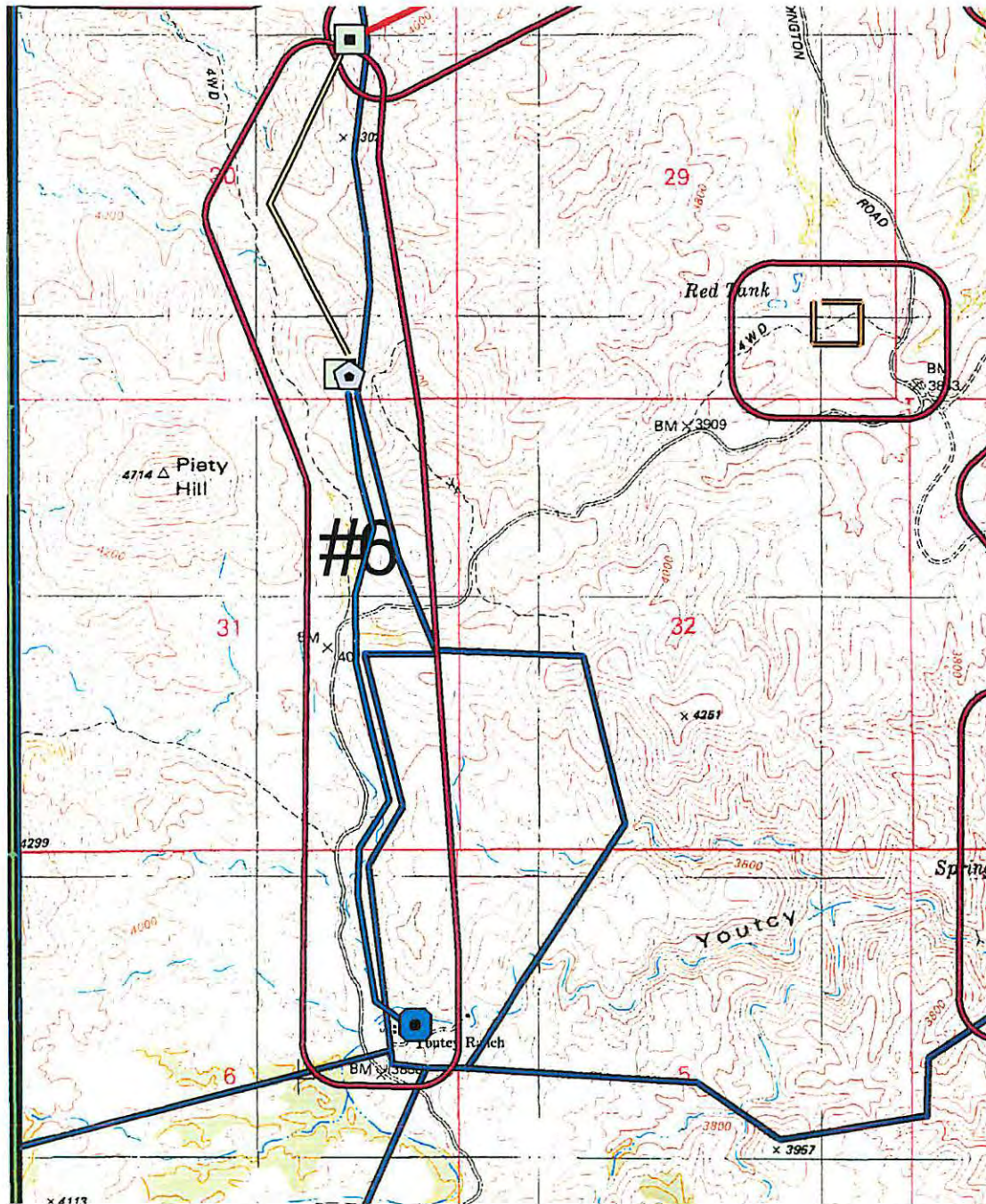
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-  Corrals
-  Well
-  Trough
-  Storage tank
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence










# Project #6

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River



1" = 2000'

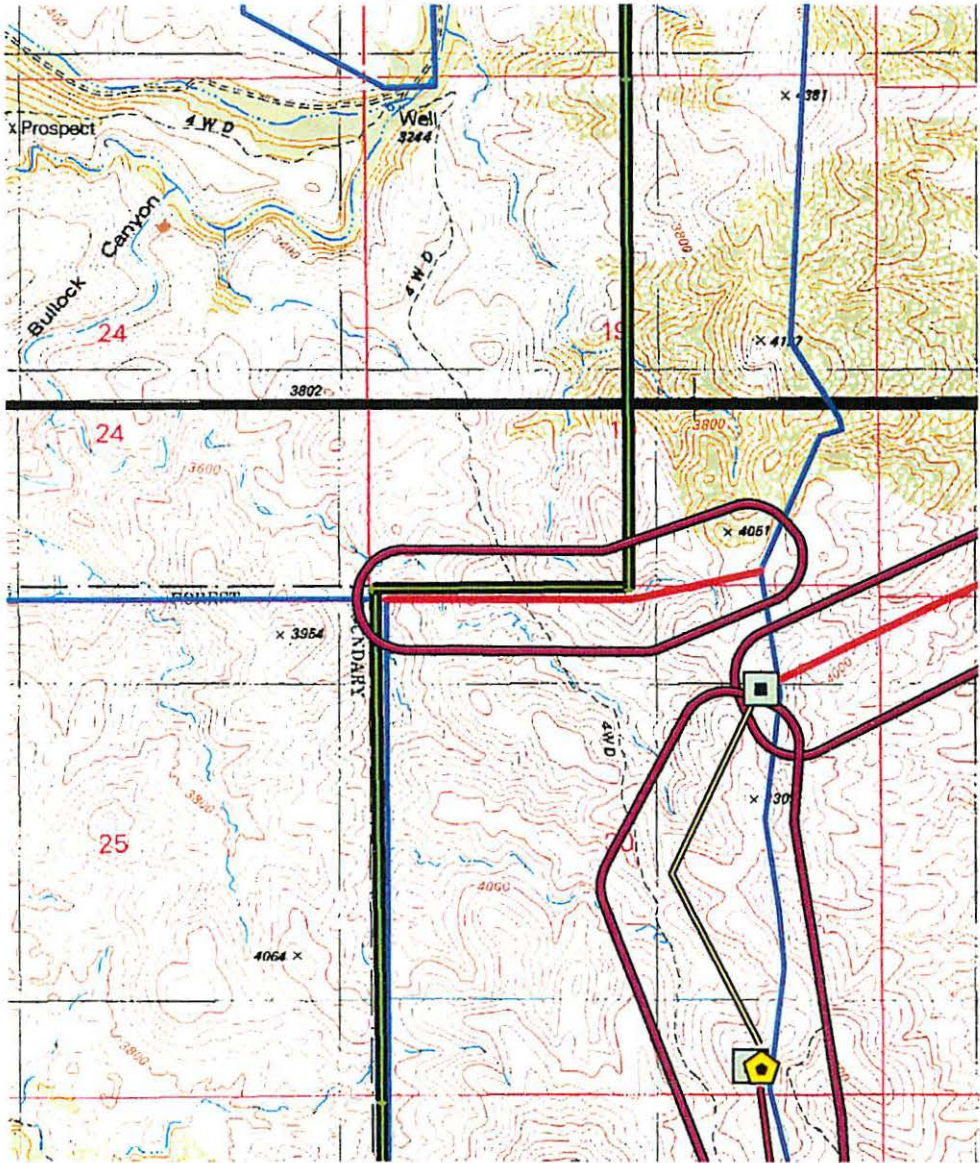
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-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

Pressurized water line from Youtcy Well to Piety Hill Saddle with storage tank and trough



# Project #7



Proposed fencing

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River



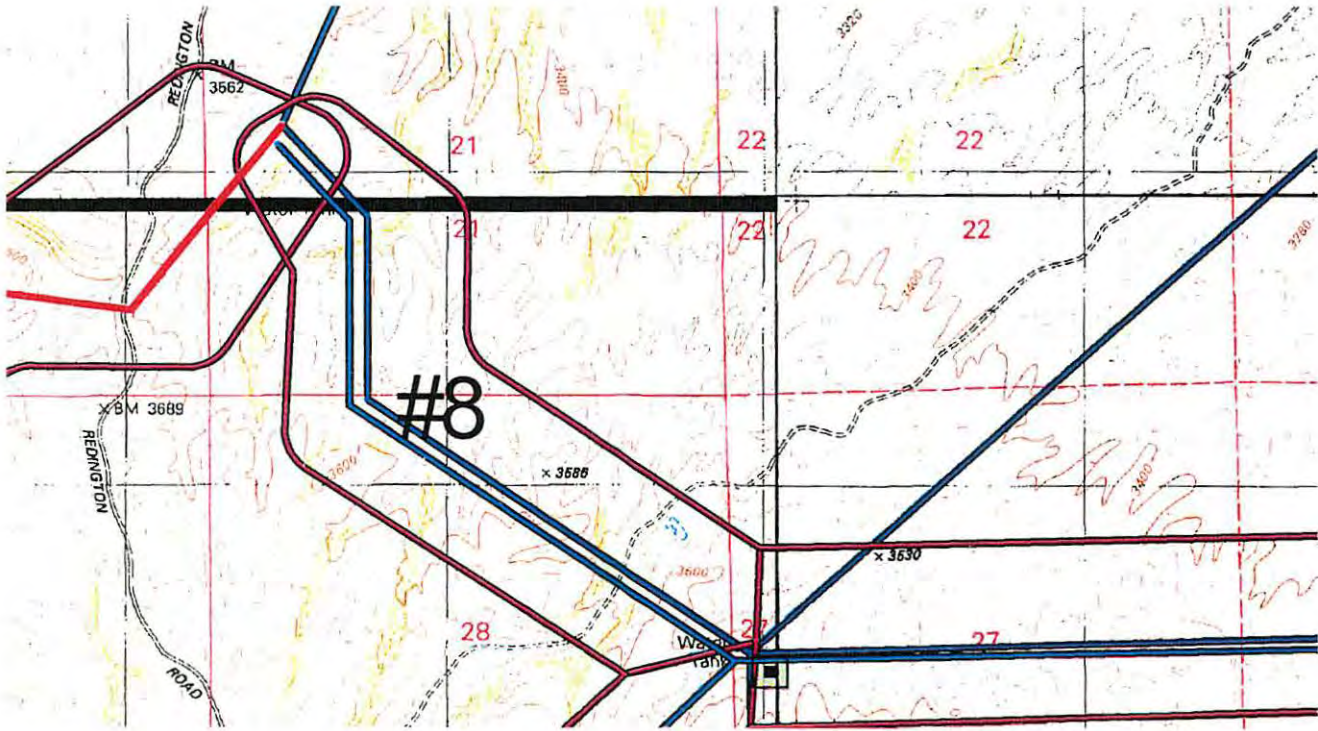
1" = 2000'  
1:24000

-  Existing trough
-  Wells
-  Storage tank
-  Troughs
-  Pumps
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence



# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River

## Project #8



Proposed underground pipeline replacement



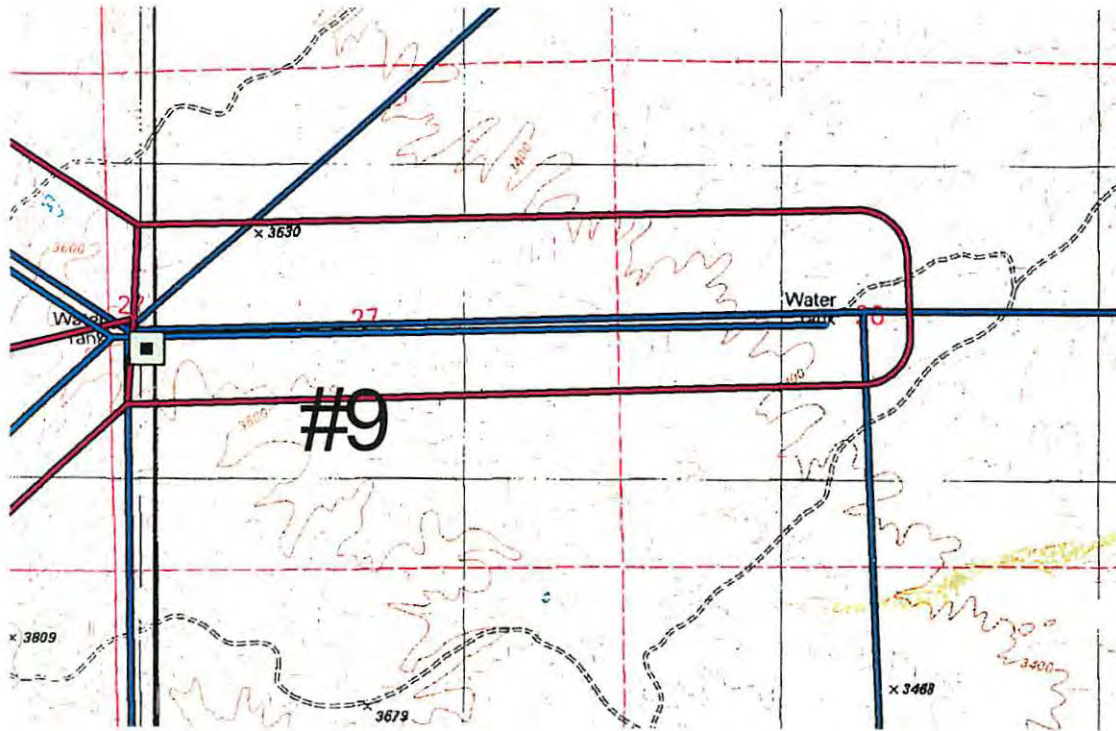
1" = 2000'

1:24000

-  Well
-  Trough
-  Storage tank
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River

## Project #9



Proposed underground water line replacement



1" = 2000'

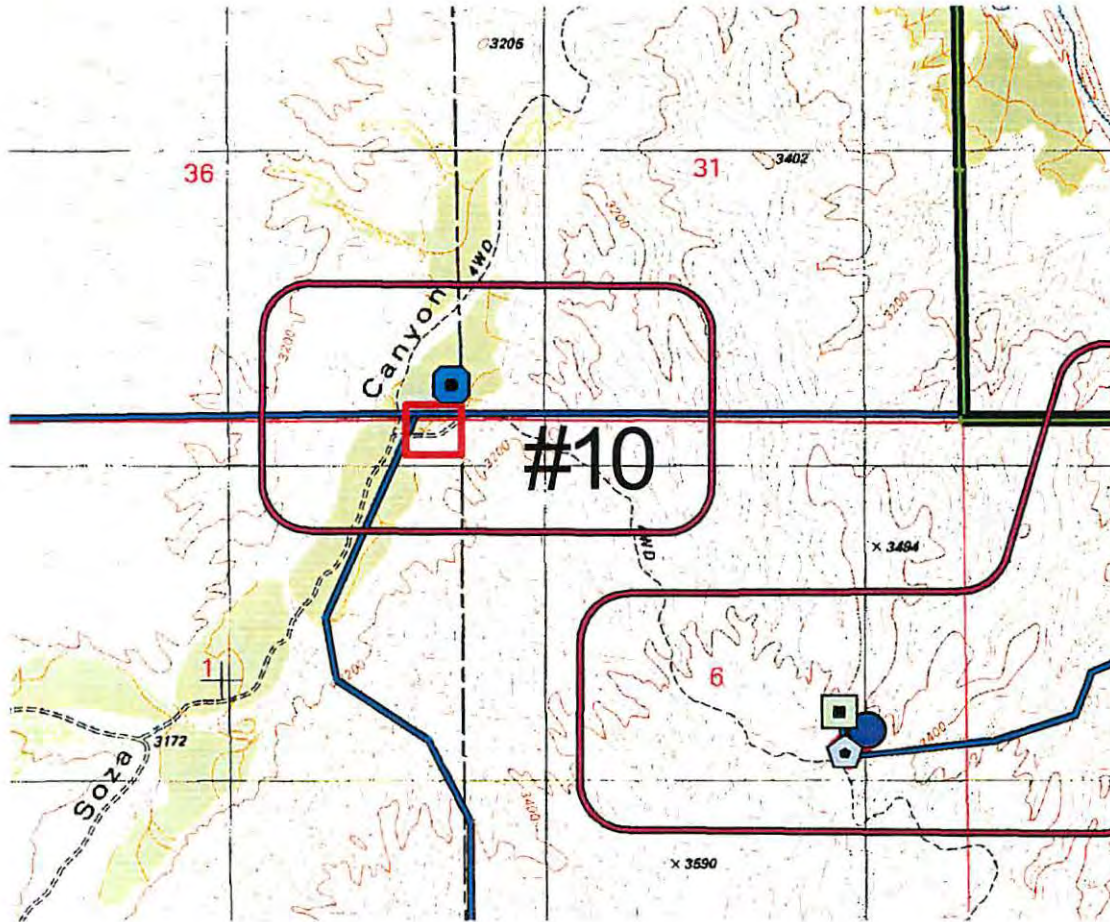
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-  Well
-  Trough
-  Storage tank
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence



# Project #10

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River















Well upgrade with pond fencing for wildlife use only



1" = 2000'

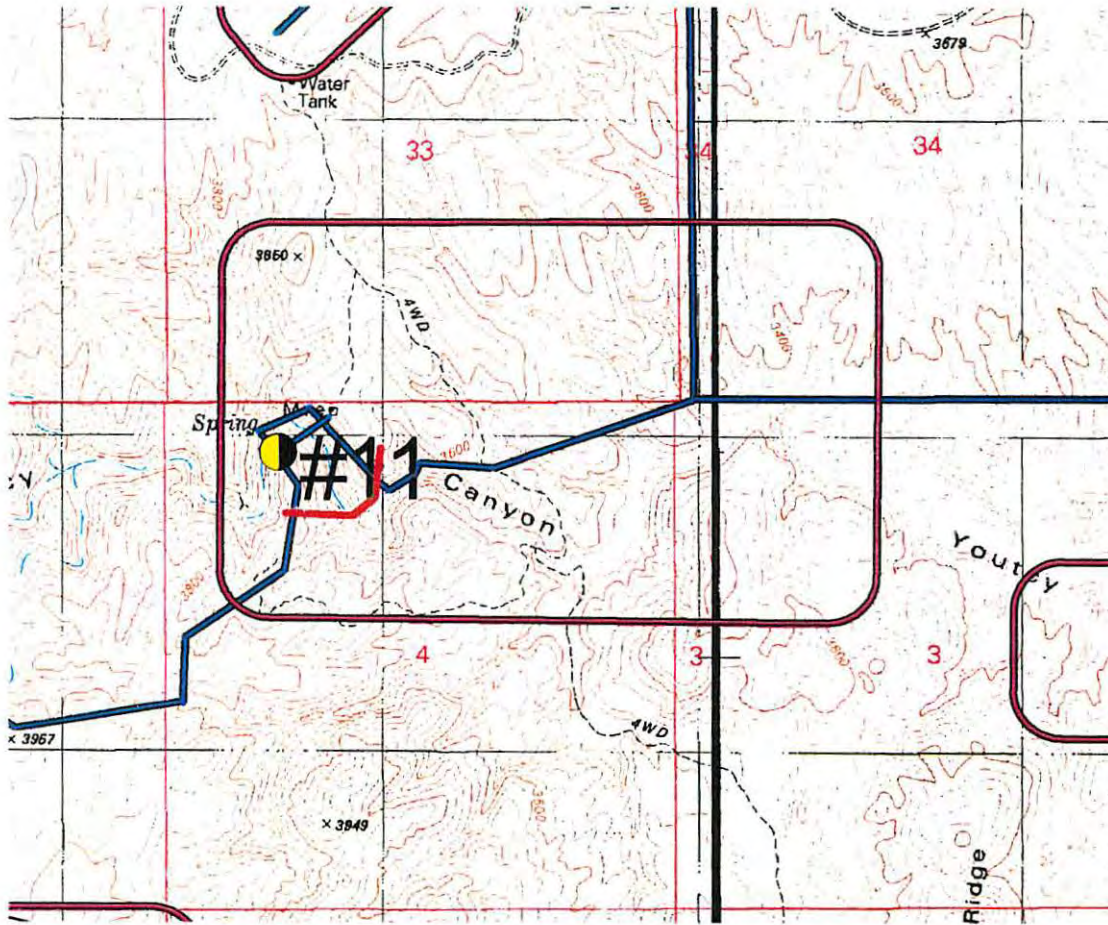
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-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence



# Project #11

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River
















Fencing perennial riparian area plus 5 HP pump and pipeline replacement



1" = 2000'

1:24000

-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

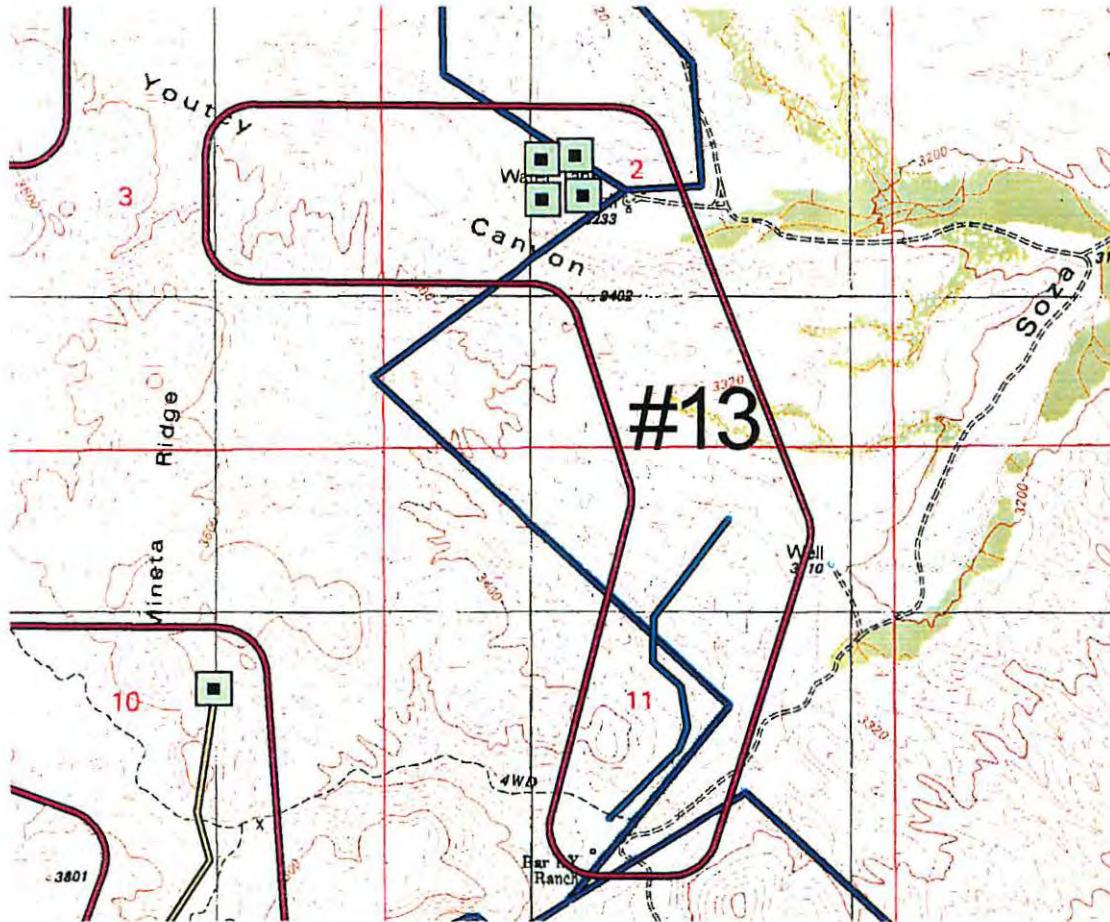




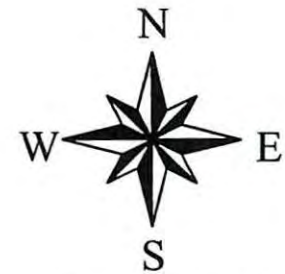


# Project #13

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River






Trough replacement at White House corrals and water line replacement at Bar LY



1" = 2000'

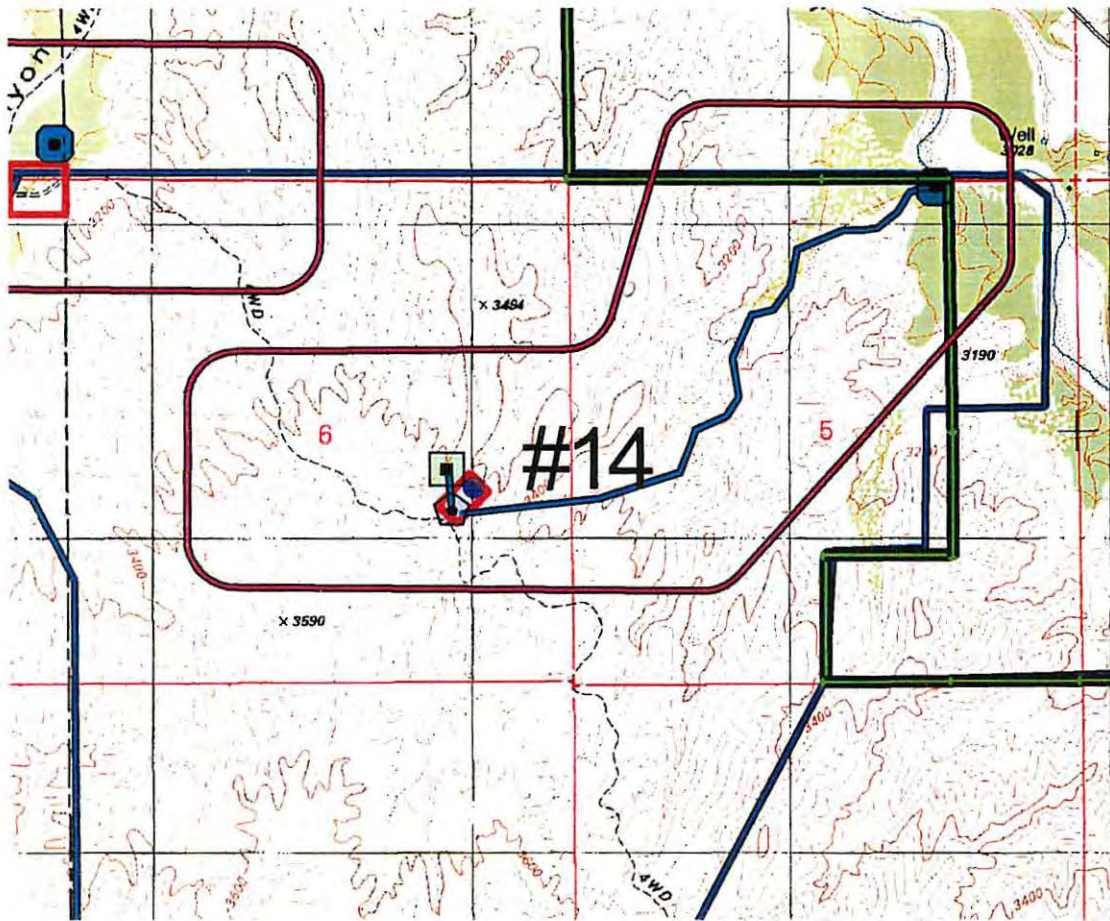
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-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

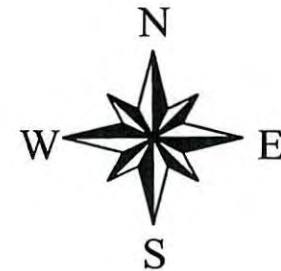


# Project #14

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River



Wildlife habitat improvement - 3 acre fenced enclosure with pond, storage and trough with pipeline



1" = 2000'

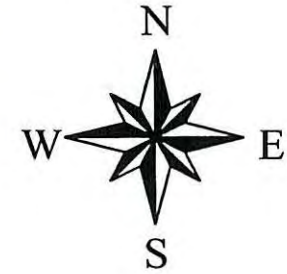
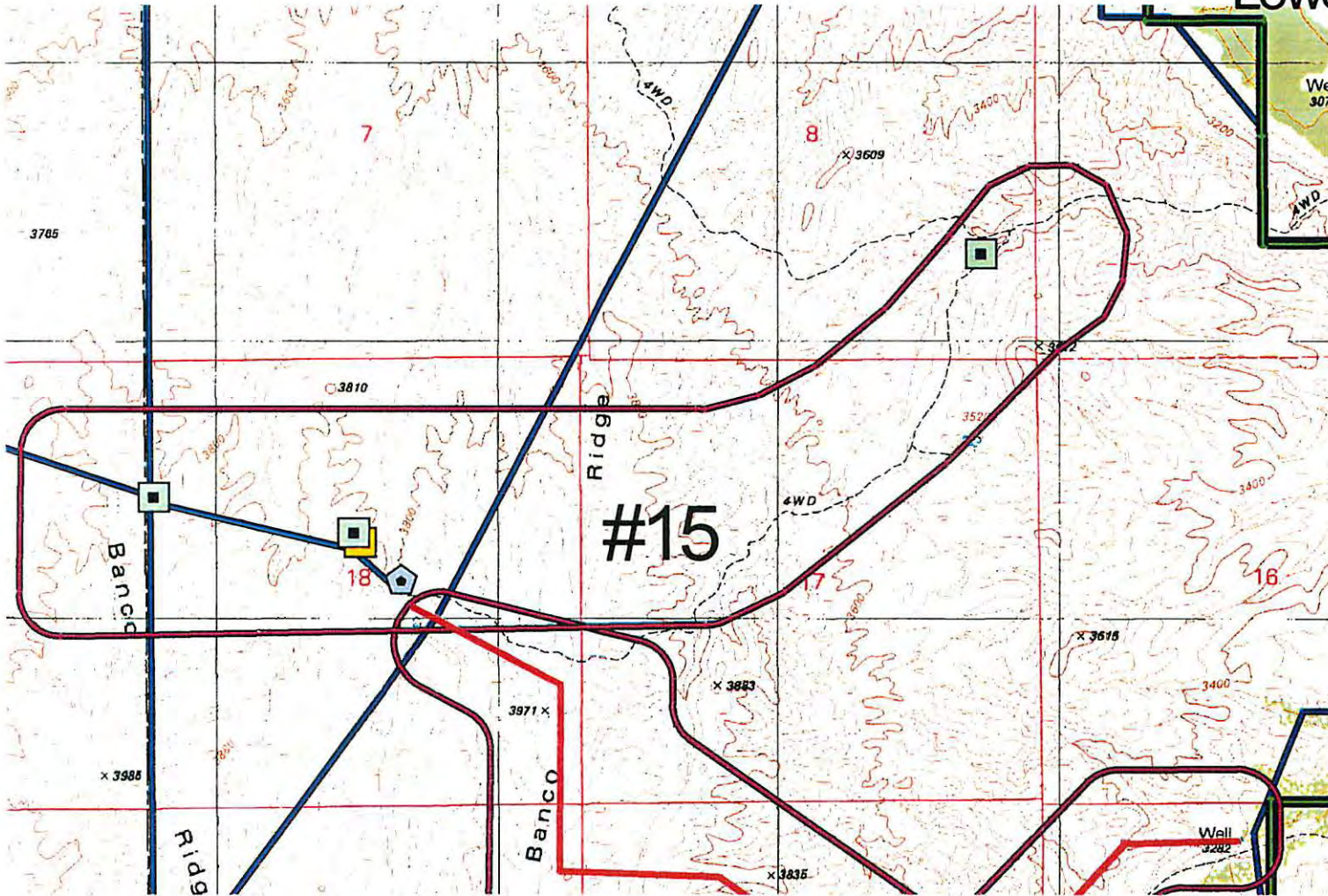
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-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence



# Project #15

# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River



1" = 2000'  
1:24000

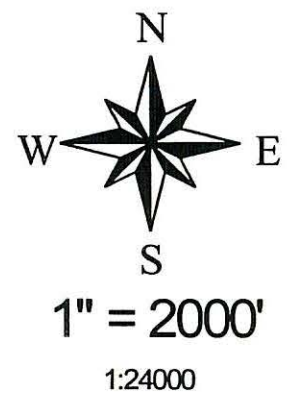
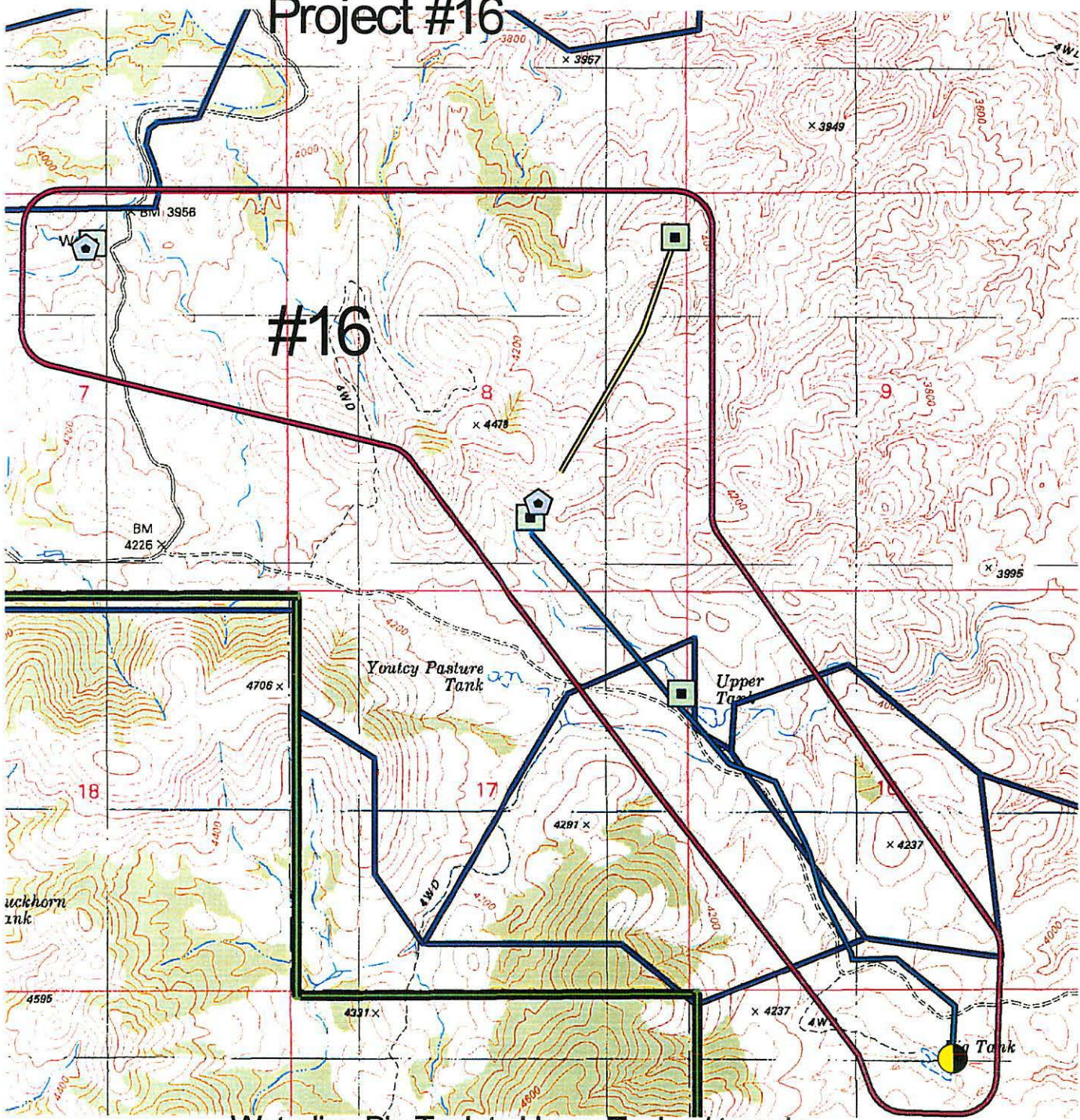
- Corrals
- Well
- Storage tank
- Trough
- Pond
- Pump
- Existing trough
- Underground pipe
- Aboveground pipe
- Proposed fencing
- Project boundary
- A7 Ranch Boundary
- Existing fence

Waterline extension with trough to pasture fence, new trough in remote pasture location on existing waterline.



# Project #16

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River



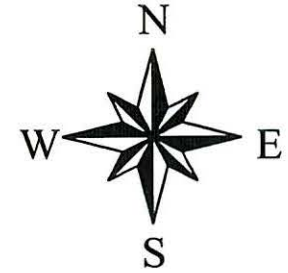
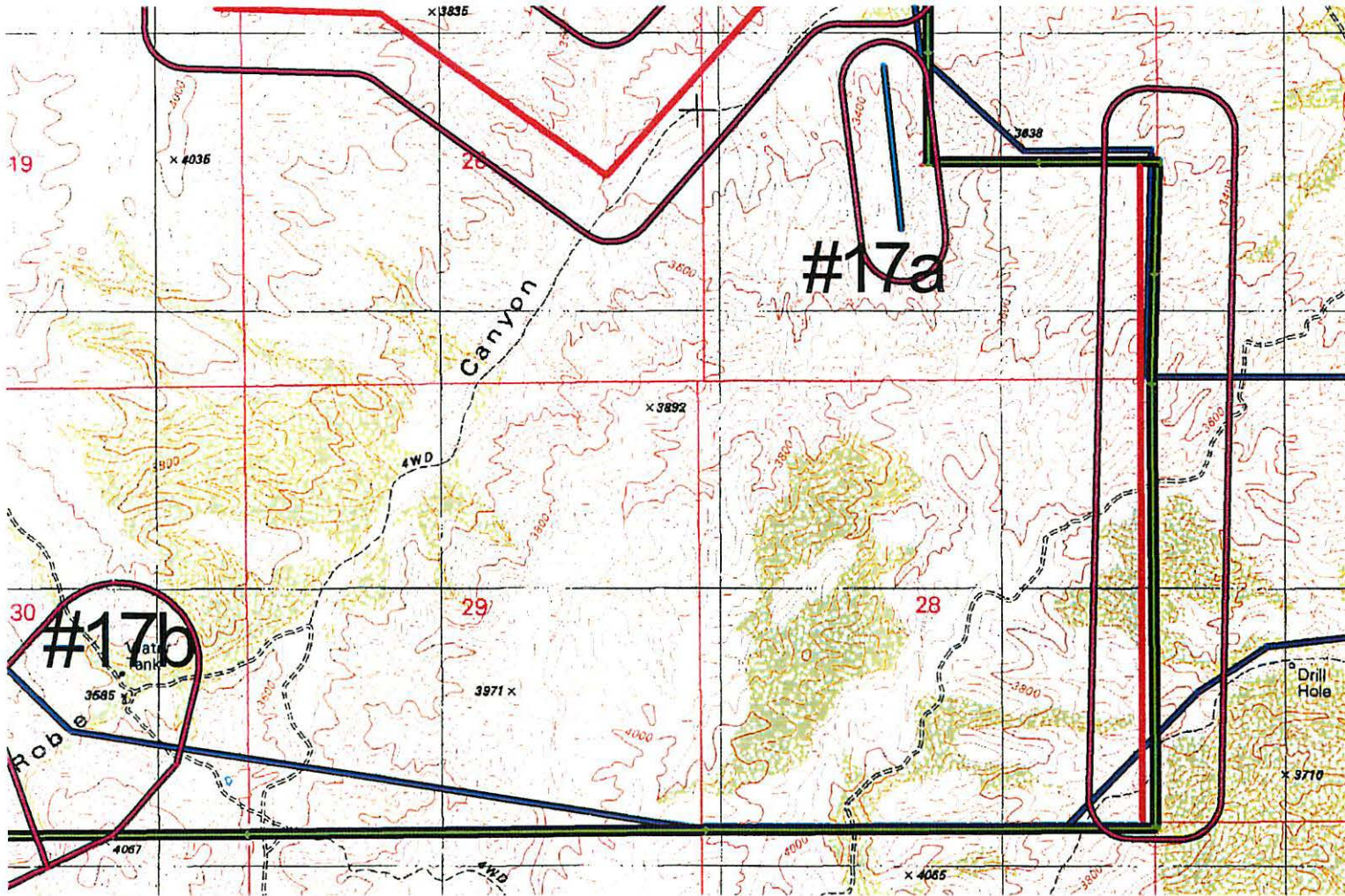
- Corrals
- Well
- Storage tank
- Trough
- Pond
- Pump
- Existing trough
- Underground pipe
- Aboveground pipe
- Proposed fencing
- Project boundary
- A7 Ranch Boundary
- Existing fence

Waterline Big Tank to Upper Tank w/ trough;  
Storage / troughs at Youtcy Pasture. Redrill Seep Tank well w/ storage repairs



# Project #17 (a & b)

# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River



1" = 2000'  
1:24000

- Corrals
- Well
- Storage tank
- Trough
- Pond
- Pump
- Existing trough
- Underground pipe
- Aboveground pipe
- Proposed fencing
- Project boundary
- A7 Ranch Boundary
- Existing fence

Well pump & motor upgrade and broken waterline replacement

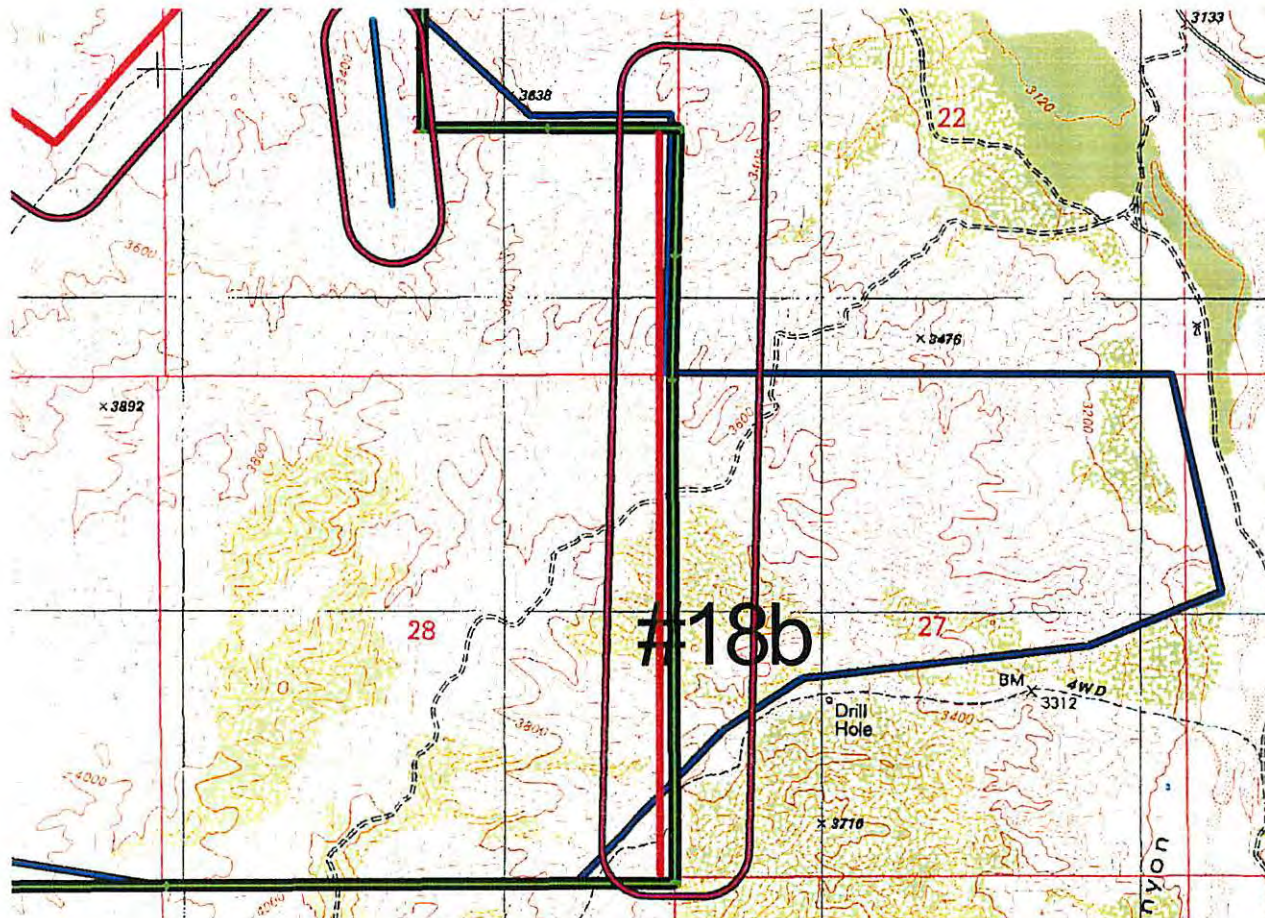




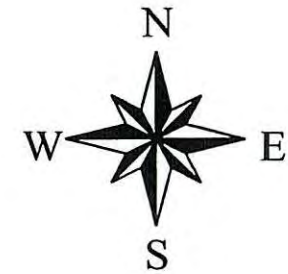


# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River







## Project #18 (a, b & c)



Boundary fence



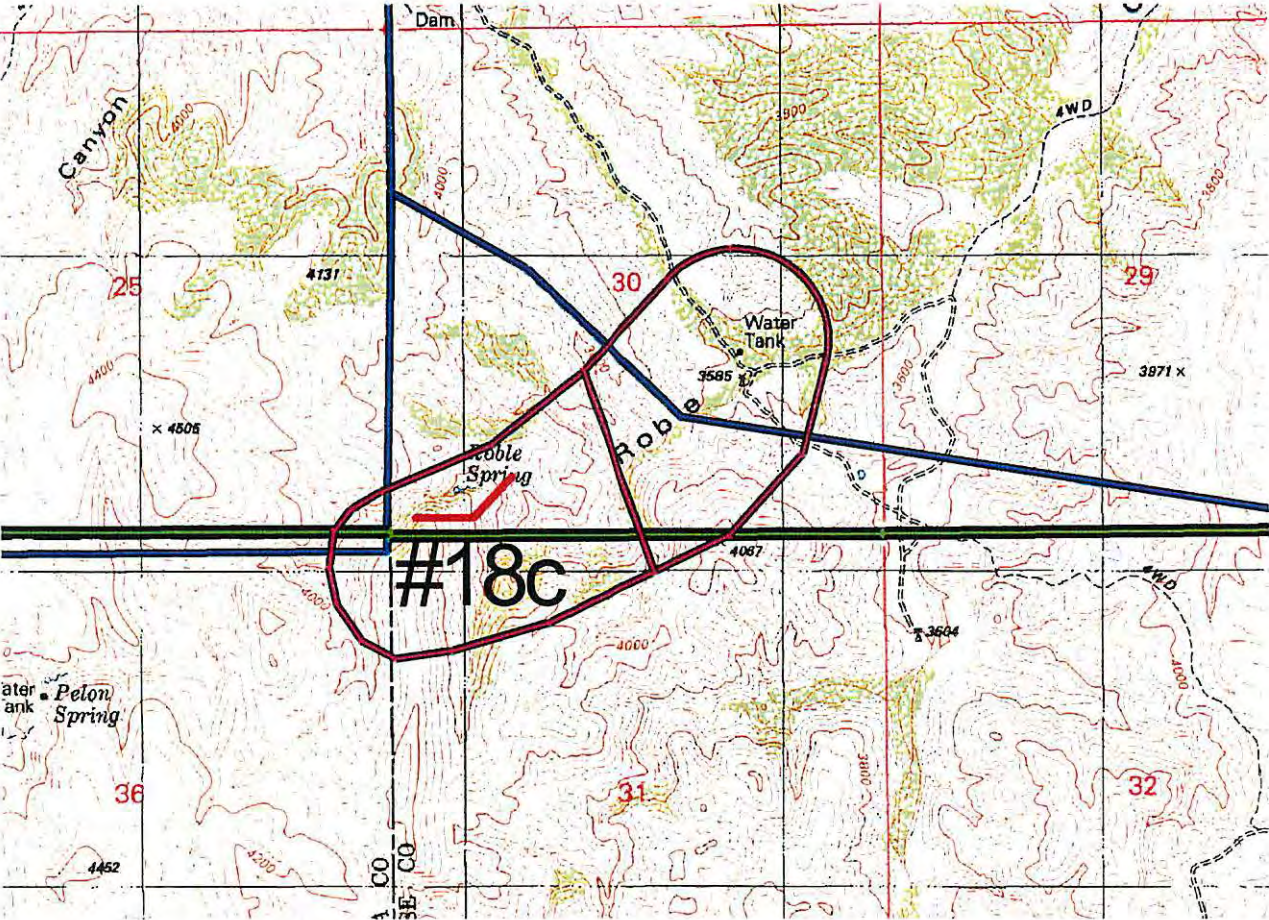
1" = 2000'  
1:24000

-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

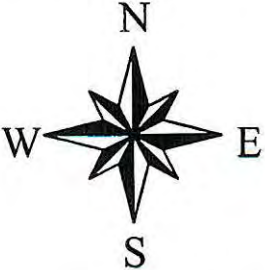


# Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River

## Project #18 (a, b & c)



Riparian fence



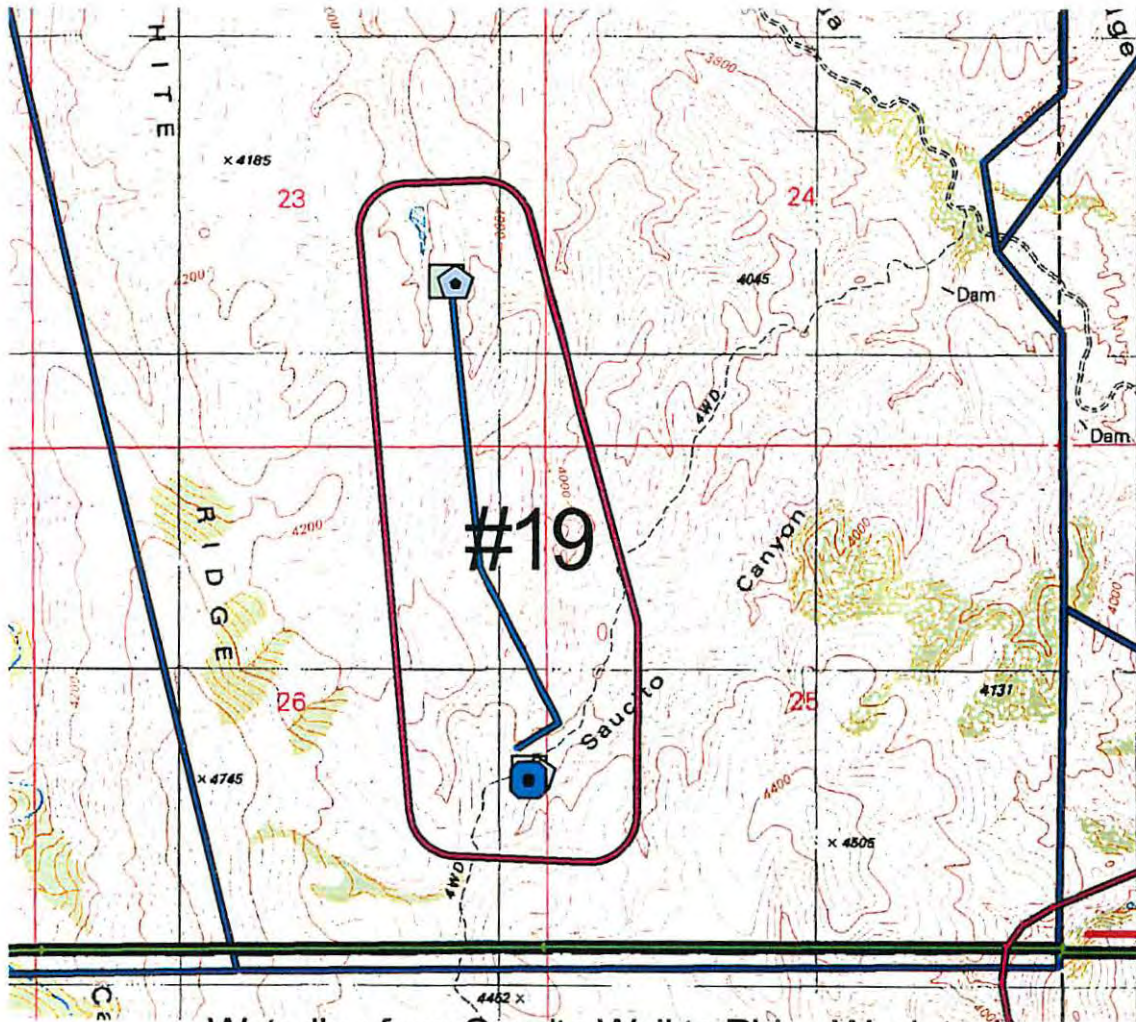
1" = 2000'  
1:24000

- Corrals
- Well
- Storage tank
- Trough
- Pond
- Pump
- Existing trough
- Underground pipe
- Aboveground pipe
- Proposed fencing
- Project boundary
- A7 Ranch Boundary
- Existing fence

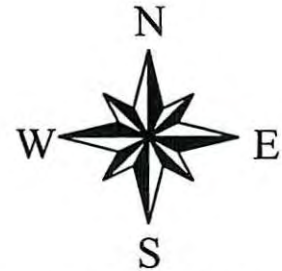


# Project #19

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River













Waterline from Saucito Well to Ridge Wash tank with storage and trough



1" = 2000'

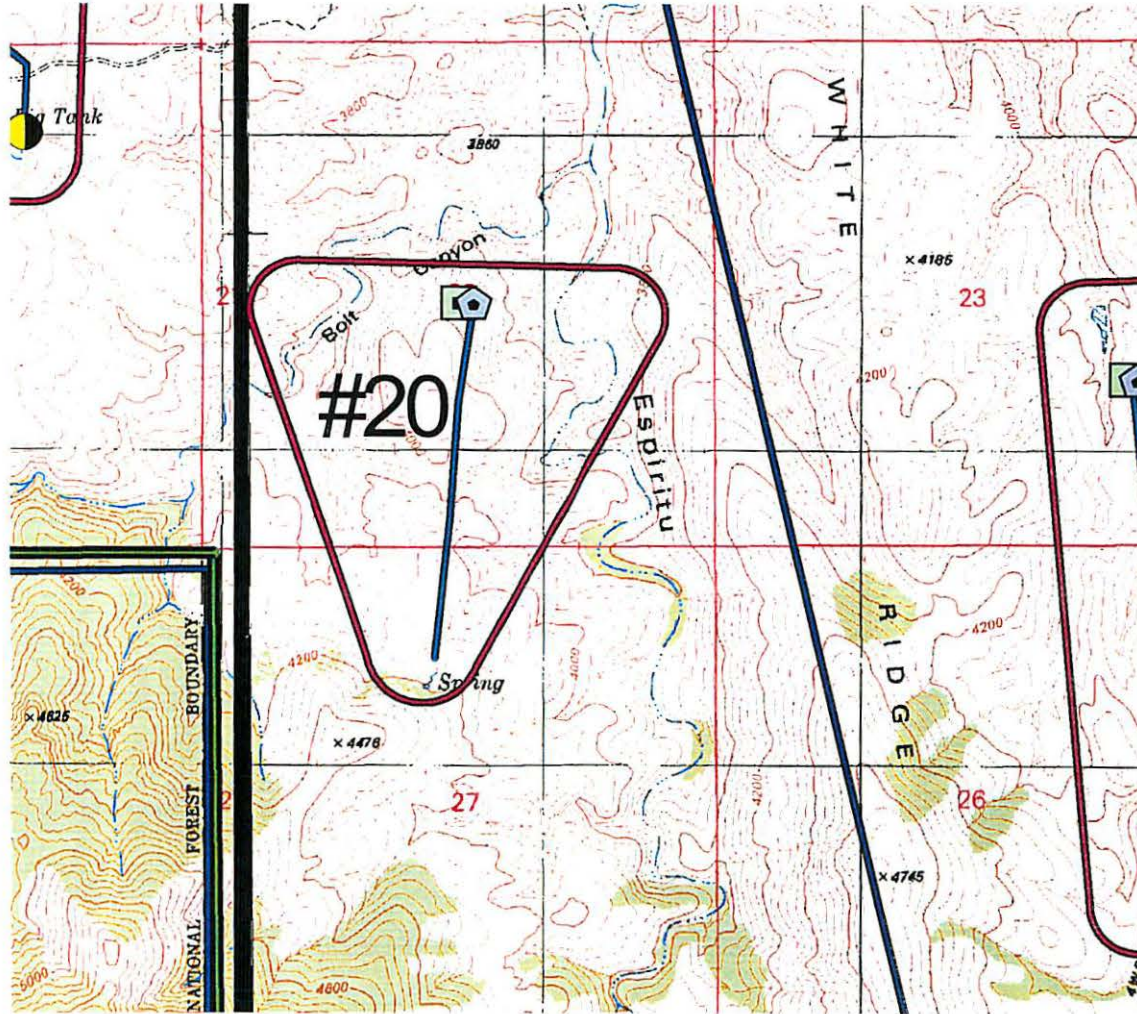
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-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence

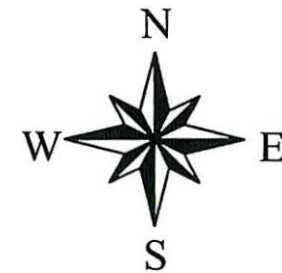


# Project #20

## Riparian and Watershed Enhancements on the A7 Ranch Lower San Pedro River




Spring development - waterline with storage and trough



1" = 2000'

1:24000

-  Corrals
-  Well
-  Storage tank
-  Trough
-  Pond
-  Pump
-  Existing trough
-  Underground pipe
-  Aboveground pipe
-  Proposed fencing
-  Project boundary
-  A7 Ranch Boundary
-  Existing fence





**Penstemon Palmeri.**



## Project Site Photographs

For all types of applications, include color photographs of the project area and site. Submit one set of standard 3 X 5 inch color photographs of the project area (or color copies) with the 5 copies of your application. Label photographs as to compass direction and describe and indicate on photo the location of the proposed project features.

**Please see the following attached Photos**

## Project No. 1



3K Tank and trough. N356°W. Proposed location for existing 3K tank and 800 gallon trough relocation.



Close up 3K Tank and trough. N356°W. 3K storage tank that needs to be relocated in field #1.





Existing 3K Tank and trough. N356°W.



Proposed 3K Tank and 800 gallon trough relocation to field #1. S192°W.

## Project No.2



Fence to #3 Tank. N78°E. Cross fence pasture #1.



### Project No. 3

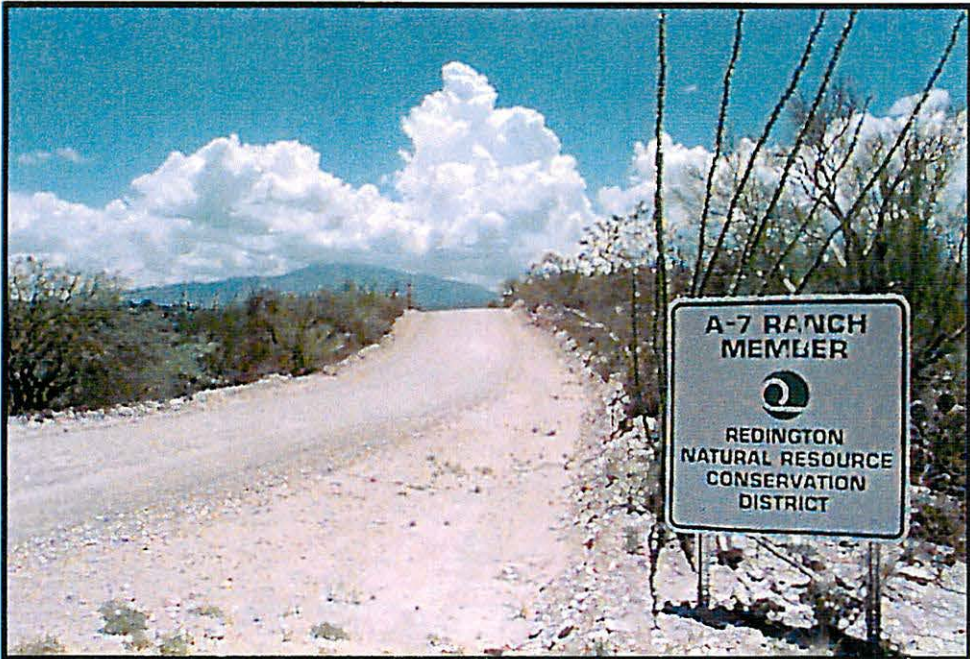


Water line replacement from Tank #1 water line to junction #4. N28°E.

**Project No. 4**



Lower Buehman Riparian Area. N320°W.



New fence boundary North to South - East side boundary. S204°W.



## Project No. 4



Proposed new fence southern boundary, East to West direction.  
N270°W.

## Project No. 5



Burned corrals. N280°W. Corral re-building project at Red Tank.



## Project No.6



Youtcy Well N45°E. Proposed well upgrade motor and pump.



Proposed Water line from Youtcy Well to Piety Hill Saddle N04°E.





Piety Hill Saddle S167°E. Direction of pressurized water line from Youtcy well.



Piety Hill Saddle N352°W. Proposed above ground water line location to 1K trough.

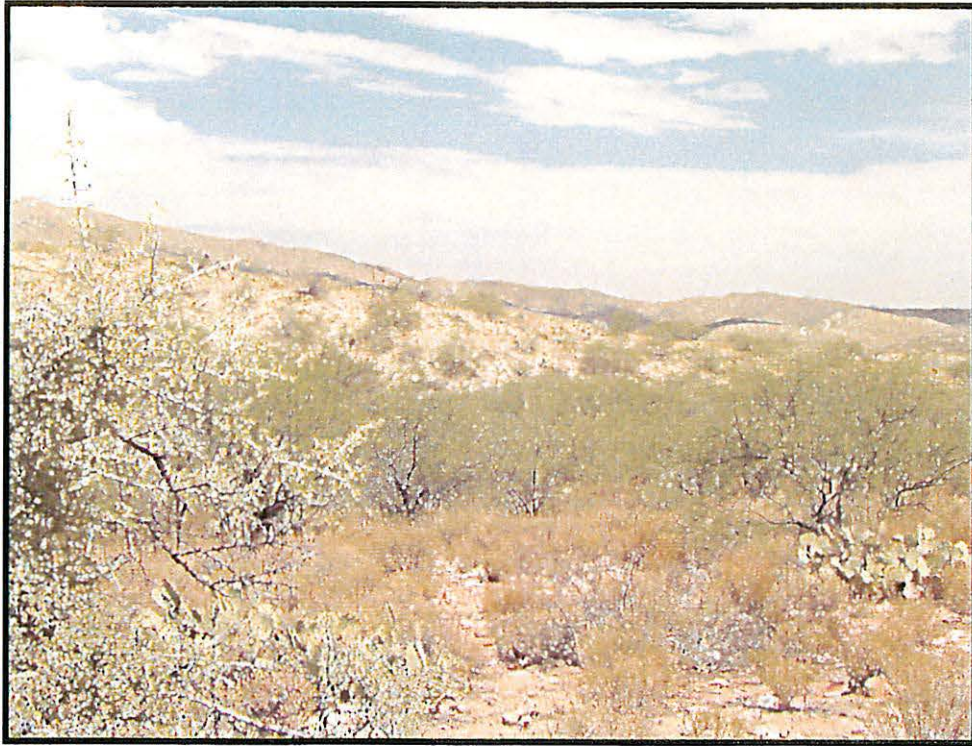


**Project No. 7**



Field 1B S261W. Fence out Buehman Canyon Riparian Area

## Project No. 8



Farm Road cattle guard to #3 Tank. N327°W. Water line replacement from junction #4 to concrete tank #3.



Soza Canyon mesquite bosque. S126°E. Riparian area.



## Project No.9



S144°E. Water line replacement #4 junction to #2 Concrete Tank in field #3.



Water line replacement from junction #4 to #2 concrete storage tank. S96°E.  
Set 10K storage tank at this location



## Project No. 10



Windmill well upgrade. N332°W. Install 1 ½ HP submersible pump and motor.



Windmill pond. S246°W. Fence 2 acre wildlife enclosure with dirt pond.





Add 1K trough in Pasture I5. S122°E.

**Project No. 11**



Youtcy Spring Perennial Riparian Area. S128°E.



¼ mi. fence line at Youtcy Spring. S122°E.



## Project No. 11



PE pipeline replacement to 5 HP pump at Youtcy Spring. N64°E.



PE pipeline replacement to 5 HP pump at Youtcy Spring. N79°E.



**Project No. 11**



5 HP pump replacement at Youtcy Spring. N72°E.



## Project No. 12

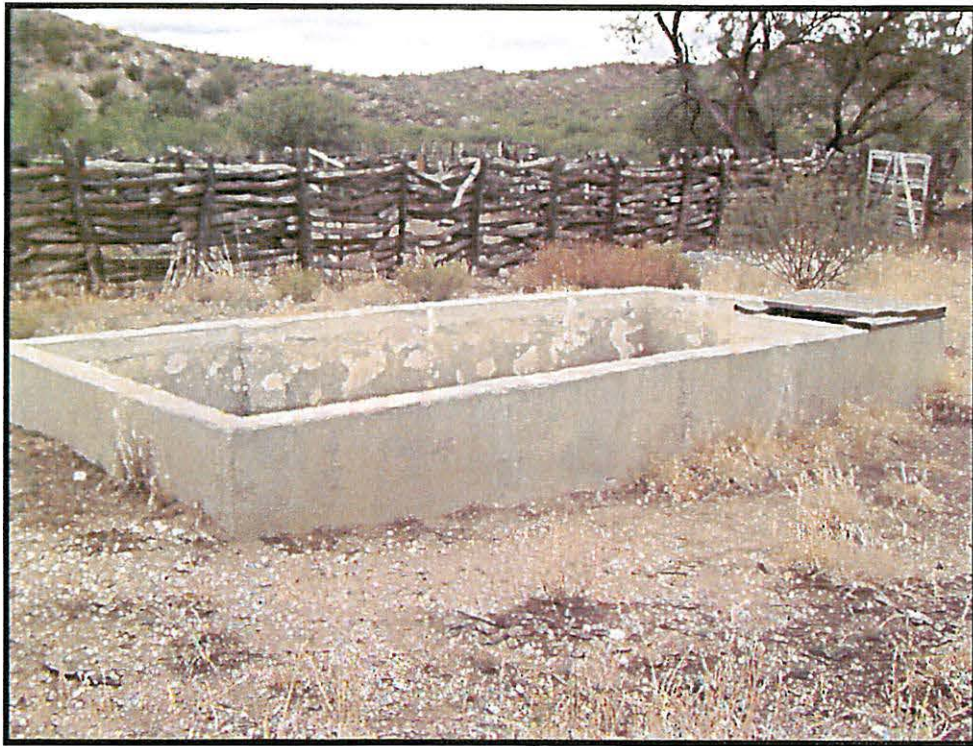


Prospect Well N350°W. Caved in well - pull or re-drill, set pump and motor.

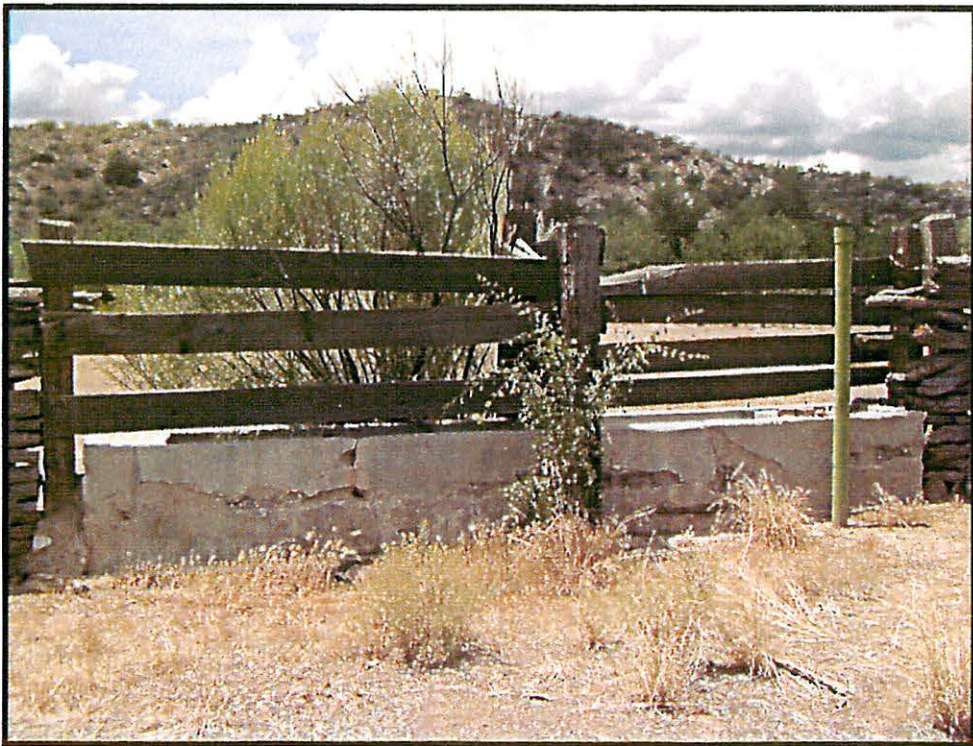


Prospect well water line to 3K Tank. N25°E. Underground water line to existing 3K tank.





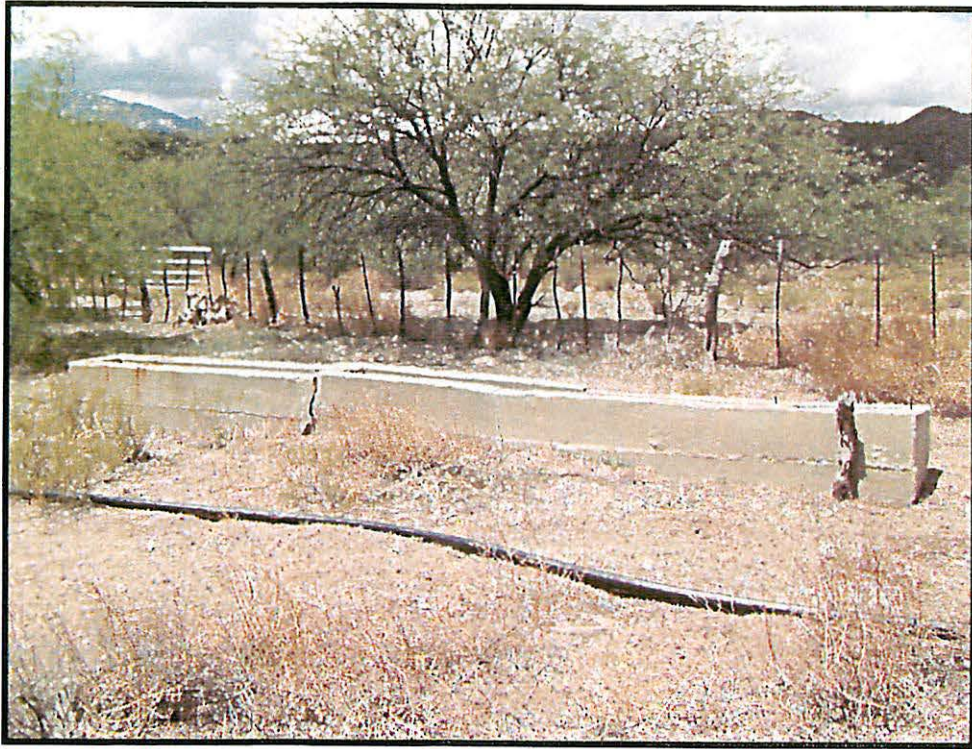
Replacement of White House trough #3 . S221°W.



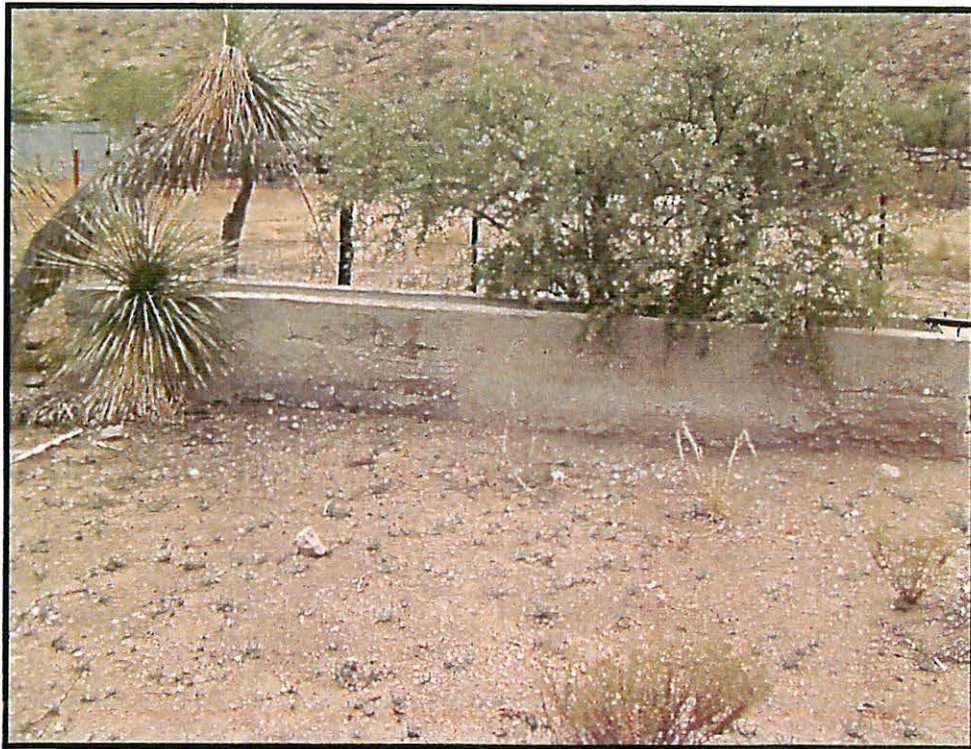
Replacement of White House trough #4. S196°W.



**Project No. 13**



Replacement of White House trough #1. S215°W.



Replacement of White House trough #2. S200°W.





Functional White House trough #5. S110°E. No replacement required.



New water line to Bar LY well. S170°E





Bar LY waterline replacement. S224°W.



## Project No. 14



Wildlife Habitat Improvement Program – 3 acre fence wildlife exclosure with pond. N44°E.



Windmill location looking East at mesquite bosque in Soza Canyon. N356°W.

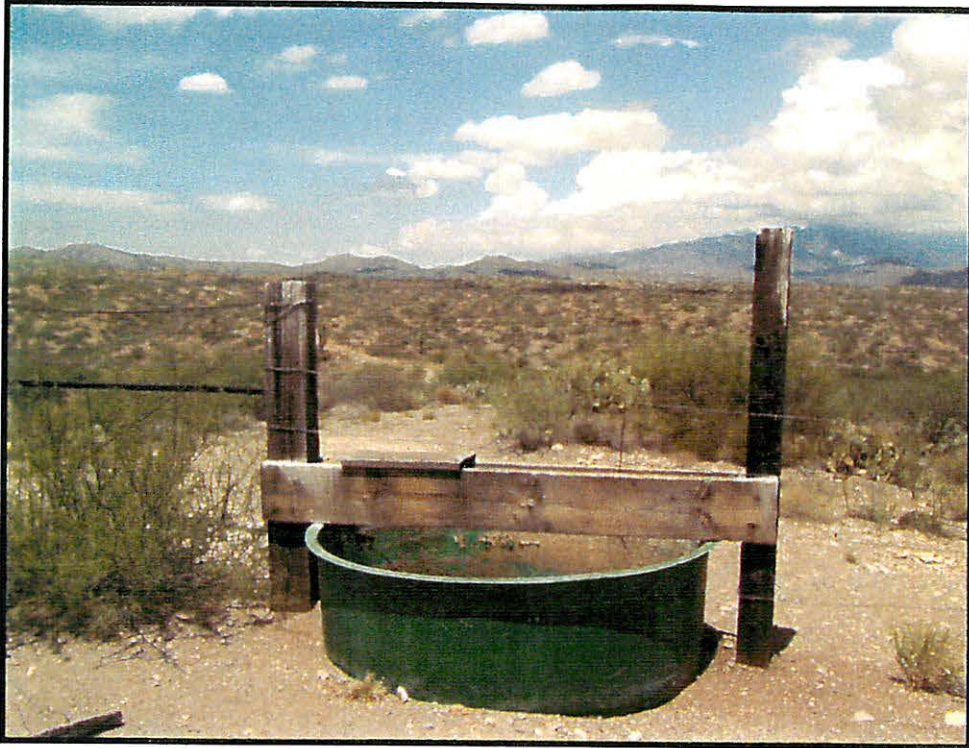




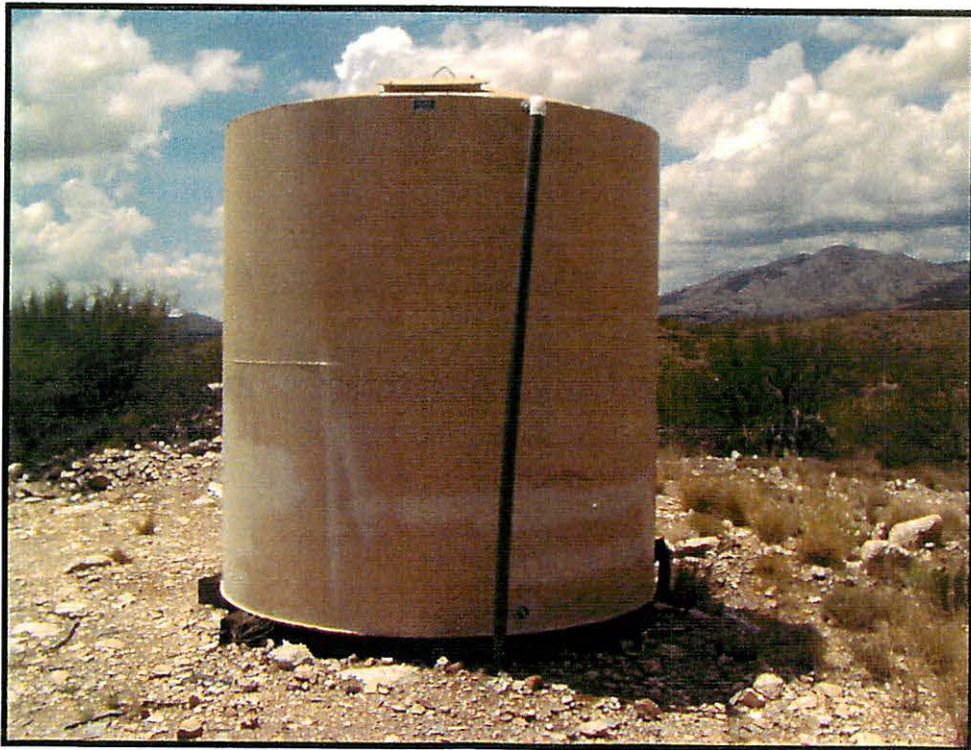
Windmill location looking West at mesquite bosque in Soza Canyon. S246°W.



## Project No. 15



County tank, trough and water line. N275°W. New water line and trough to East Soza/Saucito/Hughes pastures.



Existing 3K tank at County tank needs re-plumbing. S184°W.





Install new trough on existing water line in Roble pasture. Section 8. N37°E.



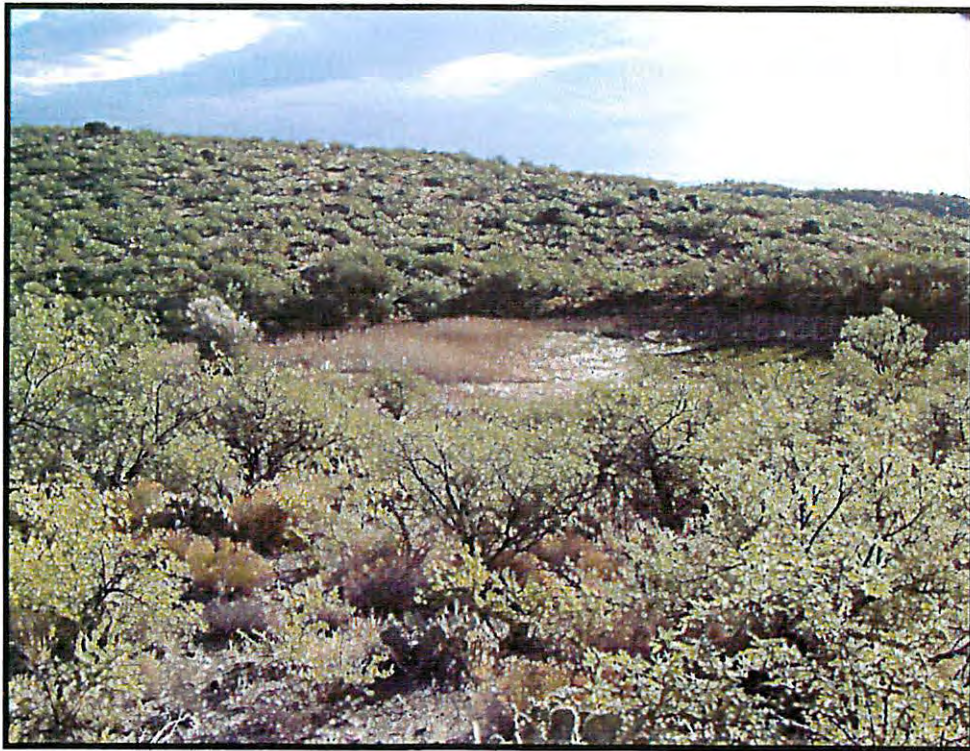
Hughes well upgrade. N286°W. Pull pump and upgrade to 1½ HP.



## Project No. 16



Big Tank and Corrals N352°W  
Proposed 5HP submersible pump and water line to Upper Tank, set 1K trough and 10K storage tank with 1K trough in Section 8.



Upper tank and corrals N52°E. Location of 1K trough at Upper Tank





Youtcy pasture N36°E. Proposed site for 10K storage and 1K trough.



Looking back at Big Tank E132°S. Proposed water line location from Big Tank to Section 8.





Seep Tank well N306°W. Well location for upgrade.



## Project No. 17



Roble West windmill. N328°W. Install submersible pump and fish out drop pipe.



Roble West concrete storage tank. N323°W. Typical concrete tank repair, sealing and roof.





Broken water line. S175°E. Replacement required.



**Project No. 18**



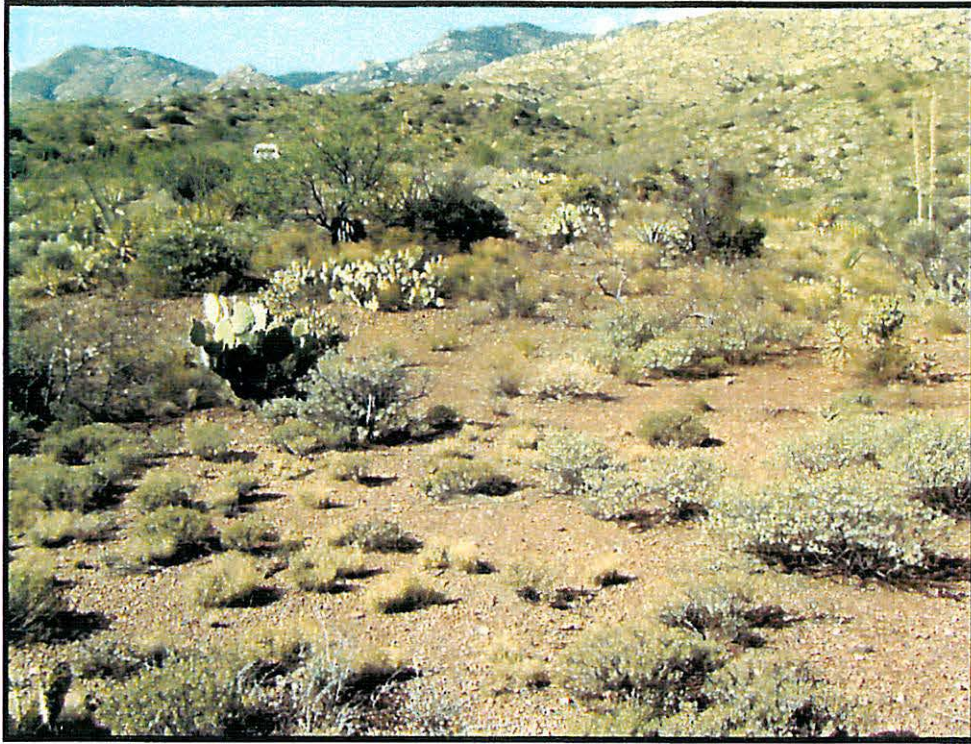
Roble East fence line. N288°W. New pasture fence line to county tank.



Fence line Roble pasture. S178°E. New pasture fence from County tanks to Roble East.



**Project No. 19**



Ridge Wash tank. 3K storage tank and 1K trough location. S189°W.



Saucito Well and 3K storage tank. N42°E.





Proposed above ground water line from Saucito well to Ridge Wash tank.  
N328°W.



## Project No. 20

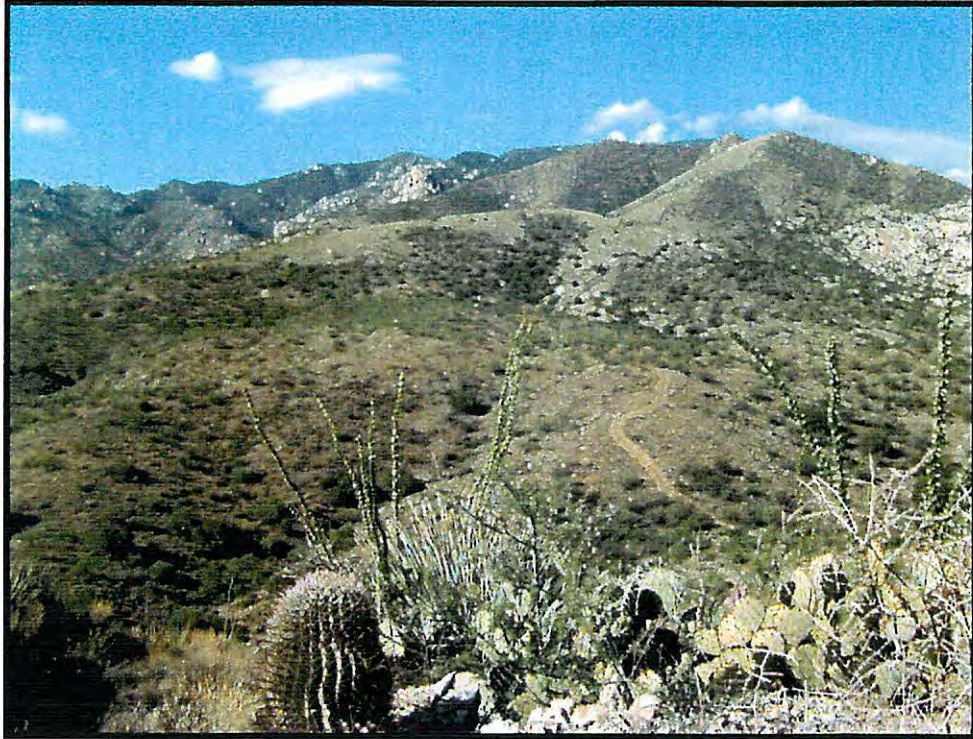


Spring development and drain line . S235°W.

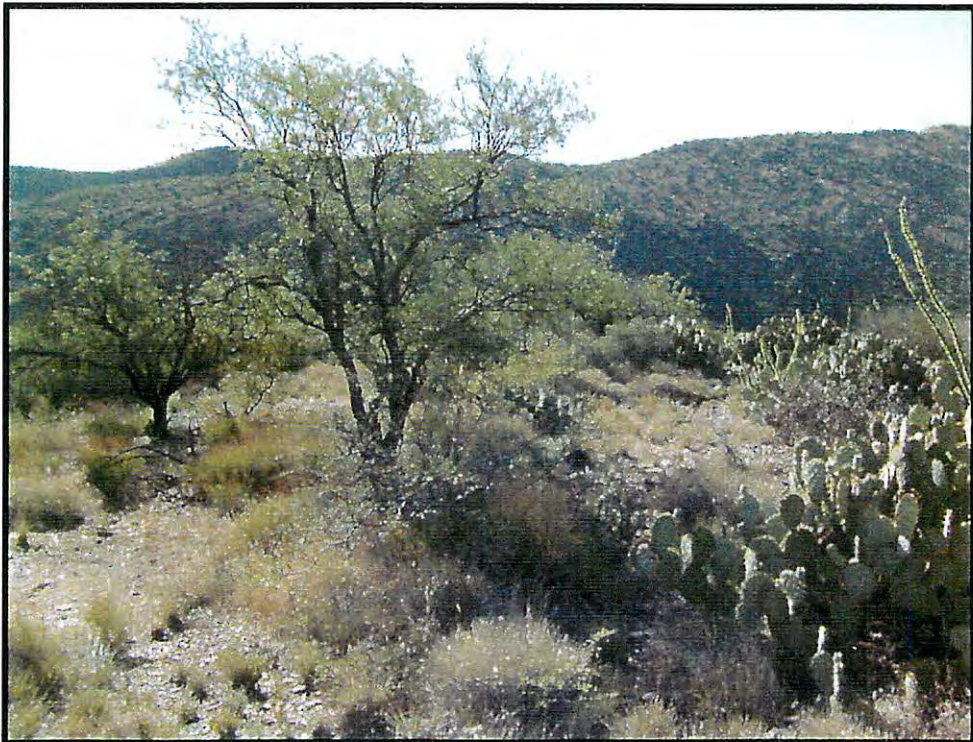


Spring Trough. S193°W. Re plumb trough and water line to new storage.





Above ground water line from Spring to proposed 10K tank and trough. S184°W.



10K storage site with 1K trough. S120°E.



**Project No. 22**

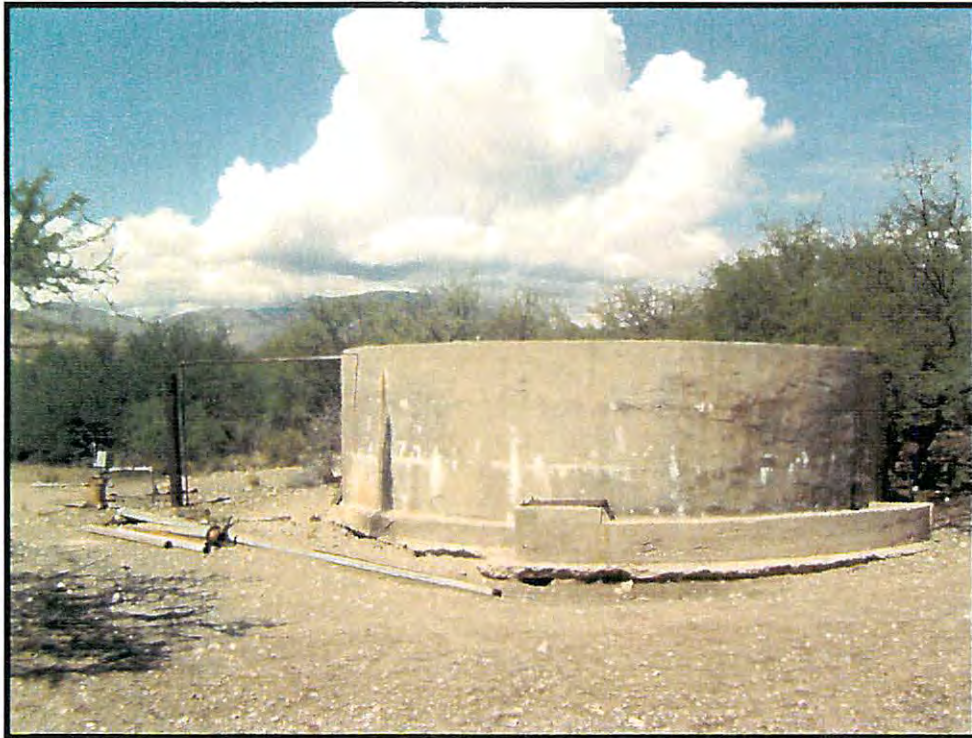


Concrete Tank #3. S200°W. Typical concrete tank for repairs, sealing, and roof installation.

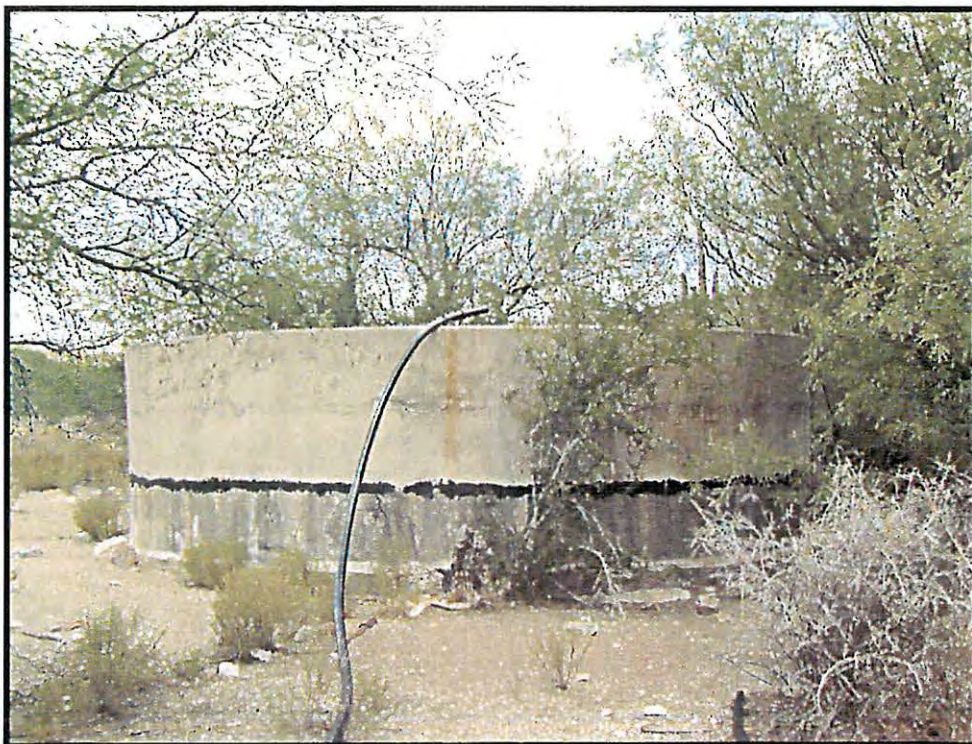


Leak in Tank #1. N32°E. Typical concrete tank repairs needed.





Roble East concrete tank and well. S232°W. Typical concrete tank repair, sealing and roof.

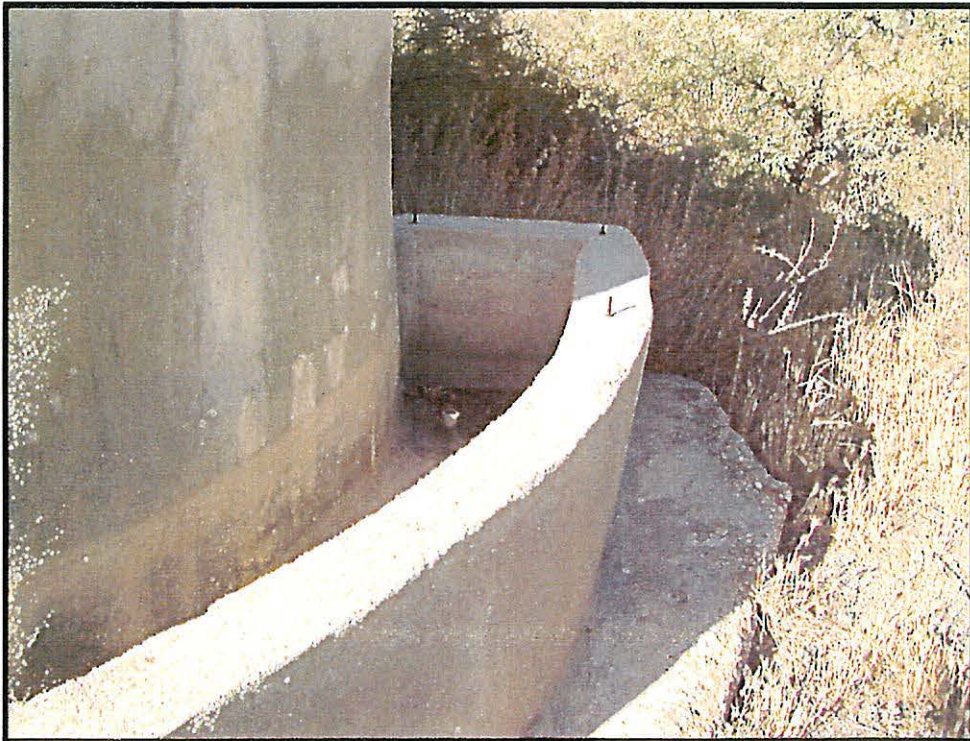


Typical repairs for White House concrete tank. N331°W.





Seep Tank well S204°W. Existing tank needs repair.



Seep Tank trough S214°W. Existing trough needs repair.



**Project No. 23**



Kidney Pond Tank. S97°E. Sediment monitoring location.



Redington Red Tank. N290°W. Sediment monitoring location.





Red Tank #2. N310°W. Sediment monitoring project at Red Tank #2.



County tank #1 and #2. S240°W. Sediment monitoring locations.



Project Location & Environmental Contaminant Information

This form is to be completed for projects which involve a specific stream reach or watershed area. If the exact extent of the project area is not completely defined at the time this form is completed, please make note of this on line #9 & 10 below, and complete the form with location information which is as accurate as possible. Outline the study area on a 7.5 minute (15 minute if the project area is too large), U.S.G.S. topographic map and include a copy with each copy of the application.. The Arizona Map previously requested is for general public use when reviewing your application summary, while the U.S.G.S. map is for staff use. All applicants must complete the environmental contaminant questions.

LOCATION INFORMATION

- 1. County: Pima/Cochise 2. Section: (19, 30, 31, 32, T12S, R19E), (5-9, 15-21, 28-30, T13S, R19E), (5, 8, 9, 10, 11, 13-36, T12S, R18E), (1-17, 21-27, T13S, R18E).
5. Legislative District: 9
6. Stream Name: San Pedro River, Soza Canyon Intermittent Riparian, Espiritu Canyon Intermittent Riparian, Roble Canyon Ephemeral Riparian, La Canada de Atrousada Ephemeral Riparian, Youtcy Canyon Perennial Riparian.
7. Landownership of project area: City of Tucson (6,828 acres), State (34,186acres), BLM (80acres).
8. Current land use of project area: Ranch and Farm
9. Length of stream through project area: 11 miles, 4 miles, 5.3 miles, 4.8 miles, 2.8 miles, 3.8 miles respectively.
10. Size of project area (in acres): 41, 094 acres
11. Area Benefited by Project Implementation: 285, 860 acres in the Redington NRDC area. Potential for Lower San Pedro is much larger.

Miles of Stream Benefited 31.7 miles
Acres of Riparian Habitat (circle one) Enhanced, Maintained, Restored, Created: 1422 acres

San Pedro 600' wide; all else 100' to 300' wide.

- 12. Provide directions to the project site from the nearest town. List any special access requirements.

See attached map. Four wheel drive required for some roads and sites.

ENVIRONMENTAL CONTAMINANT LOCATION INFORMATION





For purposes of this manual, environmental contaminants are substances which pose risk of harm to human health or the environment and include hazardous substances, hazardous wastes, petroleum products or Environmental Protection Agency priority toxic pollutants (defined by CERCLA 42 USC §9601, RCRA 42 USC §6903 and the Environmental Protection Agency). Environmental contaminants do not include wastewater from a wastewater facility permitted by a local, state, or federal authority having jurisdiction over wastewater.

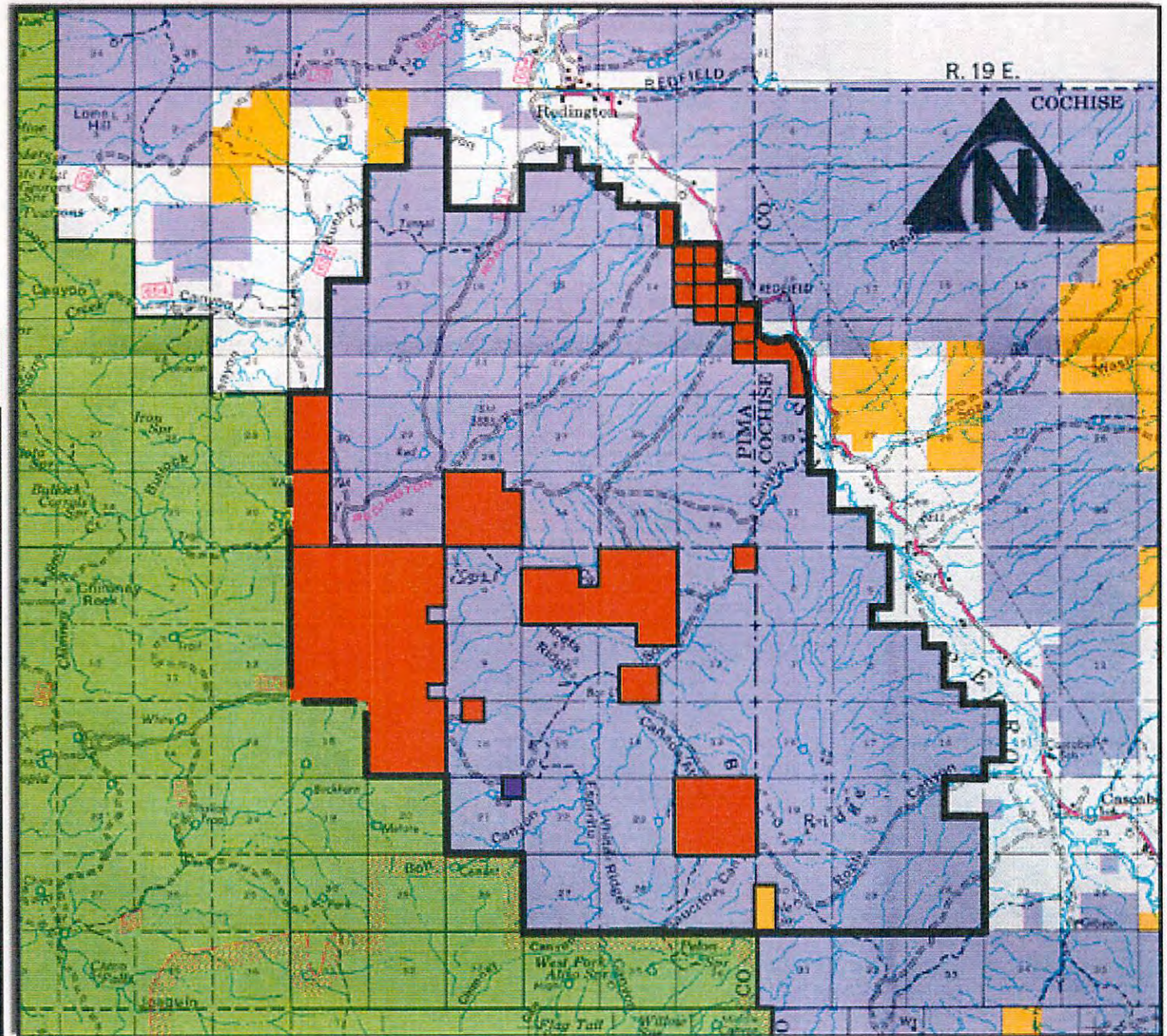
- 1. Does your project site contain known environmental contaminants? Yes No X If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants.
2. Are there known environmental contaminants in the project vicinity? Yes No X If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants.
3. Are you asking for Arizona Water Protection Fund monies to identify whether or not environmental contaminants are present? Yes No X



# State Grazing Assignments Map - Land Ownership Holdings A-7 Ranch

# A-7

LEGEND	
A-7 Private 6828 Acres	
BLM 80 Acre Lease	
ASLD Grazing Lease 34,186 Acres	
Tanque Verde Guest Ranch Private 40 Acres	





## Evidence of Control and Tenure

Proposed capital development plans and research projects shall be located on land and water which the applicant owns or manages. Research projects on sites not controlled by the applicant shall include and attach the access agreement or permit allowing the research. At a minimum, the applicant must include in the application as one of the first tasks obtaining and submitting the appropriate agreements prior to initiation of the remaining project tasks. For water, either surface water, groundwater or effluent, when included as a project feature or benefit, you must include evidence of control and tenure with your application or include in your application a task to obtain control.

**1. If you own the land on which the project is located,** attach a copy of the appropriate legal document showing title in the name of the Applicant, and including a legal description of the property.

**If you manage the land on which the project is located,** attach a copy of the lease, special use permit, intergovernmental agreement or other appropriate official instrument.

**If you do not own or manage the land on which the project is located,** attach documentation verifying ownership (as noted above) and attach a copy of the permit, agreement or letter of intent that allows you access to the site.

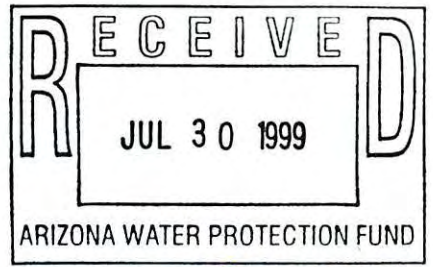
**See attached real estate closing papers, State grazing and agricultural lease and BLM grazing lease.**

**2. If your project, including the benefits claimed for the Fund, involves surface water flows or use of groundwater withdrawals,** demonstrate ownership and tenure by attaching the appropriate documentation .

**If you do not own or manage the water that the project uses or that benefits the Fund,** attach documentation verifying ownership (as noted above) and attach a copy of the permit, agreement or letter of intent that allows you use of the water.

**See attached surface water rights and well rights table.**





WPF 0025



**Geologic fault line at La Canada de Atravesada.**



## Introduction

Give the background of the project. List the problem or problems that you address in your proposal, list the cause or causes of these problems, list the remedies or solutions and state the years of project-related benefit from the project that you will implement. Provide the necessary introductory information which supports your listing of the problem(s), cause(s), and solution(s). Describe the project area's relevant history if applicable. Justify the term your project will provide benefit. For on-going projects, the history and background of the project should be provided: Describe the site prior to project initiation, tasks that have been completed and any site changes that have occurred as a result of these activities.

**Background:** On Nov.23,1998, Tucson's Mayor and Council authorized the purchase of the former Bellota Ranch. On Jan. 14<sup>th</sup>,1999 the transaction was completed with the purchase of 6,828 acres of Deeded Land, including 471 acres of deeded land along the San Pedro River, 34,186 acres of State Trust Land (Agricultural and Grazing Lease), and 80 acres of BLM Grazing Lease land. This purchase included various farm and ranch structures, livestock, vehicles, the A7 Brand and assets. The ranch went through a complicated ownership transfer, with numerous parties involved, but was previously owned and operated for 20 years by the Riley West Corp. Prior to this the Reeves family owned and operated the ranch since the early 1950's.

**Statement of problem(s):** Past problems associated with the A7 include:

- 1) Loss of Riparian areas.
- 2) Loss of Grasslands.
- 3) Loss of Perennial flow in channels.
- 4) Suppression of Fire in the Ecosystem.
- 5) Over utilization of the Riparian areas.
- 6) Limited livestock waters.
- 7) Over/Under utilization of range sites (based upon water availability).
- 8) Lack of cross fencing of larger pastures.
- 9) Lack of a conservation plan by previous owners.

**Statement of cause(s) of the problem(s):** Traditionally, the area has been used for grazing cattle. While the previous landowners were good stewards of the land, several situations occurred that aided or promoted the current condition of the ranch.

Water is a limited resource in the arid southwest and distribution of livestock waters on the ranch's range land was usually limited to dirt stock tanks, close proximity to wells, or Riparian areas. Use of dirt stock tanks for livestock watering is seasonal and presents two problems: Cattle cannot use an area if water is not present; availability is a function of ample precipitation and runoff from a storm. Consequently, areas of the ranch are under utilized during dry years and over utilized during times when tanks are full. By installing pipelines to remote areas and providing for storage and trough facilities, better distribution of cattle and proper utilization of the range resource can occur.

Lack of proper water distribution on the ranch also causes cattle to congregate adjacent to Riparian areas; again resulting in over utilization of this resource. Fencing of the waters in these areas or the areas themselves, along with locating pipelines and facilities out on the grasslands will aid in Riparian restoration. Riparian enhancement will also be aided by a grazing schedule which incorporates planned rest, rotation and deferment of pastures at critical times or when required by the schedule. The ranch has a 147-acre farm with eight (8) pastures that will be used to defer cattle from the range land when the grazing management plan so dictates.

In the past, fire, whether man made or natural, was suppressed. This suppression has caused the loss of native Grasslands to invading woody species (e.g. Mesquite). This degradation has been documented in Northern New Mexico and the upper San Pedro River Watershed over the past thirty years. Research has shown that grasslands aid in the retention of water, reduce soil loss and sediment transport, and are vitally important in restoring perennial waters and riparian areas.

**Statement of project-related remedies or solutions:** The City has become a member of the Redington NRCD and has started work on a comprehensive overall Conservation Plan for the A7 Ranch. This fall (99), an in depth range site inventory will commence on the ranch, this work is being undertaken by Don Decker with NRCS. When completed the Ranch's Conservation Plan will be updated and modified accordingly.

Currently, we are working with the United States Forest Service(USFS), Arizona State Land Dept., The Nature Conservancy (TNC), Bureau of Land Management (BLM) and our Neighbors in developing a prescribed burn plan for the ranch.

If successful in our Grant Proposal we will undertake various projects that will aid in accomplishing the stated objectives. New water lines, storage and troughs will be installed to service grassland locations in dry areas of the ranch. Sensitive riparian areas will be fenced off to cattle and use of these areas will be in strict adherence to our approved grazing management schedule. Cross fencing of certain pastures will occur to ensure better utilization of the range resources, keep cattle out of riparian areas, and reconnect small areas of the boundary fence lost due to the sale of previously held ranch land. Implementation of the rest, rotation and deferment grazing schedule, compiled with rotation to the farm where deferred grazing will aid in the health and vigor of the ranch's riparian and watershed areas.



**Statement of project years of benefit** Commitment to the project monitoring will be for ten years, including monitoring for ten years by the City and NRCS. Monitoring by the University of Arizona will be for three years. As part of this grant proposal, the University of Arizona. has also committed to monitoring for the first three years. Benefits will be realized by maintaining the improvements and continuing management practices for twenty years or more.





**Adobe farm house.**



## Scope of Work: Goals & Objectives

Identify the overall goal(s) of your project (what you want to achieve), followed by the objectives of your project. Objectives are specific, measurable outcomes of the project. List these objectives in numerical order, with the first objective having the most important outcome.

### Goal(s):

- 1) **Maintain or expand Riparian areas with no net loss.**
- 2) **Maintain or decrease depth to ground water levels.**
- 3) **Improve range conditions and trends toward more grass – less shrub and woody species.**
- 4) **Reduce soil loss and sediment transport from watersheds.**
- 5) **Use Grassbanking to develop Cooperative Partnerships, through an area wide management plan, to help improve Riparian and Watershed conditions throughout the Redington District and Lower San Pedro River.**

**Objective #1:** Changes over time, in land conditions and degradation of Riparian areas, will be statistically analyzed and assessed through the use of LandSat imagery and ground-truthing efforts of selected Riparian areas and the range site transects. Riparian areas will then be aided in recovery by the installation of waterlines that move the livestock waters out of identified Riparian areas and out onto the range sites. Existing waters in Riparian areas will then be fenced off to livestock and be available to wildlife use only.

Fencing of certain pastures and critical perennial Riparian areas is also planned and will prevent livestock from abusing these areas and allow for their expansion and recovery.

The University of Arizona is committed to working with the City and the NRCS in developing the tools that will allow us to use the data collected at the A7 Ranch and extrapolate the findings to areas within the photo image coverage area. This will include all the area the Redington NRCD encompasses, as well as a larger portion of the Lower San Pedro. This work has been completed on the Upper San Pedro for the time period of 1973 – 1997. This information will become a useful management tool for the District and the Community living throughout the Lower San Pedro.

**Objective #2:** Maintaining or decreasing the depth to ground water levels will be accomplished through the development of a grazing schedule that allows for rest of pastures (no use for one year), rotation of pastures (timed and seasonal movement of livestock) and deferment of pastures (remove livestock from July 1<sup>st</sup> - Oct 15<sup>th</sup>). Adherence to the Grazing schedule will allow for grasses to rest, recover, go to seed and establish seedlings. Scientific research has shown that grasses aid in preventing the loss of soils, intercept more precipitation and allow the rainfall to infiltrate by slowing the flow and reducing run-off; thereby allowing for natural groundwater recharge. Establishment of vigorous grasslands allows for the establishment of fuel loadings that can be used to carry a prescribed burn in an area. This will allow for the re-introduction of prescribed burns in the management plan. Expansion of the grasslands (through the controlled and natural use of fire and proper grazing) will decrease soil losses and increase groundwater levels over time.

**Objective #3:** Range conditions will be improved by use of a good rest, rotation and deferment grazing plan as mentioned in objective #2. Conditions will also improve by installation of water lines, storage tanks and troughs to areas of the ranch that contain good range resources, but have no water or limited water availability and are currently under utilized.

Certain areas of the ranch will involve cross-fencing of pastures. This fencing will allow for proper use of the range resources and exclude livestock from sensitive perennial Riparian areas.

**Objective #4:** As grasslands improve over time, significant changes will be realized in reducing soil losses and sediment transport. Monitoring sites on six range land locations will be utilized in tracking trends on changes in % bare soil, litter, gravel, rock, shrub, grass and brush. This work will be coordinated with the University and correlated to the LandSat imagery analysis. Selected sediment tanks on the ranch will be cleaned out and used to monitor sediment transport from the watersheds. Both historical records are available on the dirt stock tanks and past sediment loadings will be analyzed to establish a baseline.

**Objective #5:** Management objectives for the District or Region can be realized by use of the A7 as a Grass Bank facility. Participation in the program will aid in restoration and enhancement of Riparian areas and Watershed conditions through-out the Lower San Pedro. A grass banking committee will be established and contain members of the USFS, TVGR, TNC, BLM, University of Arizona, NRCS, Redington NRCD, a rancher, an environmentalist, a citizen at large, State Land Range Conservationist, Arizona Game and Fish and the City of Tucson Ranch Manager. This committee will determine who has priority in use of the grass bank.

### Rules to be implemented:

- 1) No expansion of herd size.
- 2) Participants shall be cooperators of the NRCD.
- 3) Cooperators conservation plans will be updated.
- 4) Archeological assessments will be an element.



## Scope of Work: Task Descriptions

Describe in detail the tasks you will perform to accomplish your objectives and achieve your desired results. These tasks must be exactly the same as the tasks listed in your task-timetable. Please use the same task numbering on each form.

- A deliverable is a product produced from a task, which is submitted to the Commission and proves that the task was completed. Deliverables are often reports, photos, data, etc. that are submitted along with invoices for materials and labor.
- Obtaining permits and conducting monitoring are potential tasks for all applications. Obtaining access agreements for research projects is also another potential task for all research projects.
- Revegetation and Monitoring Plan development must be a task with an appropriate cost assigned if you do not currently have one(s) prepared. Go to Appendix B for appropriate Plan content outline.
- If appropriate to your project, have your last task be a Final Report and assign a value commensurate with the overall project value (5% - 10% of overall project value).
- As much as possible, make each Task discrete and payable upon completion. A few tasks will continue throughout the contract duration.

**General Notes:** All project site locations are budgeted for: 1) Archeological review and State Historic Preservation Office certification by Desert Archeology, all sites will be surveyed and staked prior to review. 2) All sites being disturbed will comply with NPDES requirements. 3) All applicable State, Az. Dept. of Agriculture (ADA) and County review, approval and permits will be obtained prior to construction. 4) Exact locations of water lines and facilities will be determined and surveyed in the field, as time did not allow for field design. All designs were based on USGS Topographical maps. 5) Design and construction specifications will conform to Federal NRCS standards for pipeline, fences, troughs, materials and pumps and motors. 6) Detailed Monitoring, Sampling, Photo Points and Re-vegetation Plans will adhere to the procedures outlined in the 1999 Arizona Water Protection Fund Commission's Grant Application Manual – Appendix B1, 2 and 3. The University of Arizona will be supplying a component for monitoring the Riparian Areas and Watersheds with Satellite Imagery (see attached). The Nature Conservancy's Riparian Monitoring plan for the Muleshoe Area will be incorporated in the ground-truthing efforts and trends. This effort will be coordinated with NRCS, UofA, TNC and City staff. These plans will be formulated and delivered after approval of award. 7) There are 40 troughs associated with this project, wildlife escape devices will be built for each and installed.

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**Task #1 Description: Relocate tank & trough with new water line:** A 3,000 gallon (3K) Storage Tank and 800 gallon trough needs to be relocated in the far North end of Field #1, due to loss of a water well and line in the property ownership transfer. There is an existing trough in field #2 that can supply the water to this location. A new underground gravity water line (+/- 6,400') will start at the trough in Section 15 and proceed to the new location for the 3K tank and trough at the NE ¼, NE ¼ Section 16. The existing tank and trough will be relocated to this location. This will be the new water supply to the North end of this pasture when the fence is completed in Project #2.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts.

**Deliverable due date:** January 30<sup>th</sup>. 2001.

**AWPF task cost:** \$16,001.57

**Task #2 Description: Cross fencing of Field #1.** New fence will run from the concrete storage tank #2 in section 21 to the existing north to south ridge fence that's 8,500' west. A cattle guard will be installed on the Redington Pass road. This will divide this extremely large pasture into a more manageable grazing unit.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** July 30<sup>th</sup>. 2002.

**AWPF task cost:** \$25,733.52

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**Task #3 Description: Replace existing water line:** The 1 1/2" Polyethylene line is under designed and substandard for the pressures in this water supply system. It will be changed out with both 1 1/2" galvanized at the pump location and buried schedule 40 PVC lines up on the ridge, running to concrete storage tank #1- this is a pressure line. The existing water line from this tank to the #4 junction is also inadequate and will be replaced, this is a gravity fed line. This is required to make this system dependable, as it is all fed from this one spring and services 6 pastures, roughly half the ranch area.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** January 1<sup>st</sup>., 2001.

**AWPF task cost:** \$8767.36

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**Task #4 Description: Proposed new boundary fence:** An existing fence already protects the Buehman Canyon Riparian area at the North end of Field #1. If a partnership can be worked out with the Bellota Perservation Corporation, this new property boundary will be fenced. There is no costs to the AWPf for this project. Initial contact has been established and negotiation are proceeding.

**Deliverable description:** None

**Deliverable due date:** N/A

**AWPF task cost:** \$0.00

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**Task #5 Description: Rebuild Corrals:** The corrals at Red Tank were destroyed by fire in 1993. As part of a fully functional ranch and in order to further the Grass Banking concept, these corrals will be rebuilt.No costs to AWPf for this project.

**Deliverable description:** None required

**Deliverable due date:** N/A

**AWPF task cost:** \$0.00

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**Task #6 Description: New water line, storage & trough facilities:** In order to service the Southwest corner of the pasture being created from Project #2 and to have a dependable water supply in Field 1B; a pressurized underground water line will be run from the Youtcy well to the Piety Hill saddle. At this location a 10K storage tank and 1K trough will be placed. From this location a gravity fed above ground water line will terminate with a 1K trough in Section 30 that will service three pastures. The well's pump and motor will be up-graded from 3/4 Horse Power (HP) to a 1 1/2 HP.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** April 15<sup>th</sup>.,2001

**AWPF task cost:** \$36,841.04



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**Task #7 Description: Fence off Riparian area:** Previous ranch property was lost with the real estate transaction. There is no fencing at the North end of Field 1B that would prohibit cattle from reaching the Buehman Canyon Riparian area; therefore this will be fenced off (4,500') to protect the Riparian Area.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** Sept. 15<sup>th</sup>., 2002

**AWPF task cost:** \$5304.50

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**Task #8 Description: Replace water line with new storage facilities:** The water line from the #4 Junction to the #3 concrete storage tank is under-designed and will be replaced (6,800'). A 10K storage tank will be placed at the junction to break pressure on the system and to increase dependability.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** June 30<sup>th</sup>.2001

**AWPF task cost:** \$13,966.80

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**Task #9 Description: Replace water line:** The water line from the #4 junction to the #2 concrete storage tank is under-designed and needs to be replaced (7,600').

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** June 1<sup>st</sup>. 2002

**AWPF task cost:** \$8141.12

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**Task #10 Description: Fence off Riparian waters & upgrade well:** Windmill well is located in the Soza Canyon Riparian Area Mesquite Bosque, it is also the beginning of the intermittent Riparian area flowing into the San Pedro River. These waters will be fenced off to cattle and will only be available to wildlife. In order to make this a more dependable water source, a submersible pump and motor will be installed. An existing dirt tank, with surface water rights, exists at this location and will be developed into aquatic habitat and fenced off to cattle.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** May 15<sup>th</sup>. 2001

**AWPF task cost:** \$5395.94

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**Task #11 Description: Fence perennial Riparian area:** The Youtcy Spring is a perennial Riparian Area that will be fenced off (1320') to cattle. This spring also supplies water to six pastures. A 5 HP replacement pump and motor will be purchased to function as an emergency back-up when the existing pump fails. Projects #12 and #16 will replace this livestock water supply.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** November 30<sup>th</sup>, 2002.

**AWPF task cost:** \$5,208.50

---

**Task #12 Description: Well repair, water line & trough installation:** Drill out well cave in @ Prospect well and replace pump and motor. Replace 400' of water line to existing 3K storage tank. From this storage tank an above ground water line will be run 8,200 feet north to a saddle in the middle of field #7. A 1K trough will be placed at this location. This will provide better distribution of water in this pasture. Previously cattle were watering at the Youtcy perennial spring, which is being protected and fenced off in project #11.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** February 15<sup>th</sup>, 2002.

**AWPF task cost:** \$20,923.42

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**Task #13 Description: Water line & troughs replacement:** Four leaking concrete troughs at the Whitehouse corrals will be removed and replaced. The existing water line from the Bar LY well #613547 to the corrals at the junction of Fields #7, 8 and 13 is under-designed and in a bad location. This line (2,200') currently runs in the Soza Canyon Mesquite Bosque, it will be relocated out of the riparian area and buried, so as to be more reliable and not prone to wash outs.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** January 15<sup>th</sup>, 2002.

**AWPF task cost:** \$5,737.10

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**Task #14 Description: Wildlife Habitat Improvement Program:** This is a Federally funded WHIP Project (Wildlife Habitat Improvement Program). A 7,400' water line will be run from the Hughes well to the interior of Field #9 to provide for aquatic habitat by creating a wildlife pond and fenced enclosure with storage capacity. Two brush piles will be constructed and a 10K storage tank will be installed. Outside the fenced area a 1K trough will be placed to water cattle and aid in the grazing management practices for this pasture. No costs to the AWPF for this project.

**Deliverable description:** None required

**Deliverable due date:** N/A

**AWPF task cost:** \$0.00

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**Task #15 Description: New water line & trough with well upgrade:** A water line from an existing trough at the County tanks will be extended to the corner of the pasture fence in Fields # 8, 9 and 13. A new 1K trough will be placed here. A pump and motor up-grade is required at the Hughes well from a ¾ HP to a 1 1/2 HP pump. This underground line extension will provide dependable water to these pastures and aid in keeping cattle out of the Riparian areas and utilize previously under utilized range sites.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** January 15<sup>th</sup>, 2002

**AWPF task cost:** \$8,127.73

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**Task #16 Description: Pump, waterline, storage & trough installation:** This project will deliver dependable water from Big Tank through a pressurized underground water line (10,600'), that will service a 1K trough at Upper Tank; from here the line will extend to Field #11 and feed a 10K storage tank and 1K trough at the saddle in section 8. From this location an above ground water line (5,000') will deliver water to a 1K trough at the fence boundary between fields # 11 and 7. This will provide a dependable water source to these dry range land areas of both pastures and replace the water fenced off in project # 11. A 2HP submersible will be purchased and used to pump the water when needed. The existing well #613546 at Seep Tank is mudded in and will be cleaned out, with a submersible pump and motor installed. This well will service the Northwest corner of Field #11.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** February 15<sup>th</sup>, 2002.

**AWPF task cost:** \$33,468.82

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**Task #17 Description: Fencing & waterline repair:** This project will replace 1,500' of undersized and under-designed underground water line in section 21. A 1K trough will be placed on an existing water line in section 8. A 1 1/2 HP pump and motor will be installed in the Roble west windmill and drop pipe in the well will be fished out. This will establish reliable water to drier areas of the pasture, as well as make the water supply more dependable when the wind doesn't blow.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** June 15<sup>th</sup>, 2002

**AWPF task cost:** \$9,826.20

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**Task #18 Description: Riparian, field & boundary fencing:** This project will cross-fence (21,150') Field #12. This is an extremely large pasture. The new pasture created will have no Riparian access. This is the Roble Canyon Mesquite Bosque ephemeral Riparian area. This project will allow for better grazing management and the protection of the Riparian area. BLM will be partnering on new boundary fence, after transfer of ownership from the TNC, this fence is to be installed on the new property line at the Hollow T. They will also partner on fencing off the Perennial Spring and Riparian area in section 30. See attached letter of commitment and support.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** July 30<sup>th</sup>, 2002.

**AWPF task cost:** \$24,706.61

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**Task #19 Description: New water line, storage & trough:** An above ground water line (5,200') will extend from the Saucito well and existing 3K storage to the Ridge Wash tank. At this location a 3K storage with 1K trough will be installed. This will ensure dependable water to the center of Field #13.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** July 30<sup>th</sup>, 2002

**AWPF task cost:** \$9,772.64

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**Task #20 Description: Spring development, water line, storage & trough installation:** This project will develop the perennial spring in Field #16 and extend the gravity fed above ground water line (5,200') to a 10K storage and 1K trough in section 22. The location is atop the ridge. The spring currently feeds a trough in the bottom of Espiritu Canyon which will then be abandoned. This is an Intermittent Riparian area that will then be protected and better utilization of the range land resources will be possible.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** July 15<sup>th</sup>, 2002.

**AWPF task cost:** \$16,388.33

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**Task #21a,b,c,d,e,f,and g Description: Monitoring devices & marker installation:** This is the installation of all the rain gauge sites, stream staff gauge sites, range land transect sites and Riparian monitoring and Photo Point sites. This will include permanent markers for all monitoring and Photo locations. All sites will be GPS recorded. Procedures outlined in Appendix B1, 2 and 3 of the 1999 AWPf Grant Manual will be followed. The University of Arizona detailed Monitoring plan which is Task 21g, will be delivered if the Grant is awarded.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** July 30<sup>th</sup>, 2000

**AWPF task cost:** (21 a,b,c,d,e and f = \$21,550.69) + (21g = \$90,912.00) = \$112,462.69

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**Task #22 Description: Concrete storage tank repairs:** This project will patch and seal eleven (11) concrete storage tanks located through-out the ranch. Two coats of asphalt sealer will be applied. Each structure will have a steel roof installed to prevent wildlife drowning, evaporation losses, water losses due to leakage, liability issues and to curtail algae growth resulting in poor quality water.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** July 30<sup>th</sup>, 2002

**AWPF task cost:** \$47,835.78

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**Task #23 Description: Dirt tank sediment monitoring:** Initial clean-out of the seven (7) dirt tanks, that are to be used for monitoring of sediment transport from the various watersheds. Cross-sections will be taken prior to excavation and afterward. Historical analysis will be performed to establish a baseline. This project will not only allow for monitoring of sediment from the watersheds, but will also benefit migratory and local wildlife.

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts

**Deliverable due date:** July 1<sup>st</sup>, 2000 weather permitting. Tanks need to be dry, prior to work.

**AWPF task cost:** \$35,063.78

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**Task #24 Description: Poster or paper presentation:** Attend AWPF information transfer meeting

**Deliverable description:** Photograph of poster to be used at annual meeting

**Deliverable due date:** When requested by AWPF

**AWPF task cost:** \$500.00

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**Task #25 Description: Final Report**

**Deliverable description:** Construction photo's, material and equipment receipts, labor costs and GIS/GPS as-builts. Final project report will summarize all methodologies used, outcome of all tasks, summarize and analyze project data and monitoring data, suggest any further changes needed in the project and evaluate project success measured against the objective.

**Deliverable due date:** January 2003

**AWPF task cost:** \$36,000.00

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## Scope of Work: Sampling, Revegetation and Monitoring Plans

**Sampling Plans, Revegetation Plans, Monitoring Plans (Water Quality, Hydrology, Vegetation, Wildlife, etc.), Photo Monitoring Plans:** Some applications may include baseline environmental inventories and most will contain project monitoring. Within your application, describe your monitoring or sampling objective and, in as much detail as possible, describe the monitoring and sampling methodology, and/or study design that will be used to accomplish that objective. Include a description of the equipment you wish the Fund to purchase. For water features include: water level, well schematics, USGS gage station data, well number/location, existing hydrologic reports, recharge or recovery plans. Reference Appendix B for more detailed outlines.

Again, submit as much of the sampling plan, monitoring plan, revegetation plan, etc. information as possible with the application addressing as elements of plan outlines in Appendix B. If you receive a grant award, you must submit detailed plans as deliverables. **Include in your application** a task and appropriate budget within the Scope of Work: Sampling, etc. Plans and on budget forms to complete detailed plan(s) after grant award.

**General Notes:** Complete details will follow after grant award.

### **Monitoring Objectives:**

**Riparian:** Establish baselines, range land trends and responses to rest, rotation and a deferred grazing plan; by repositioning of waters out of riparian areas or the change in fencing of pastures to restrict access by cattle.

**Watershed:** Same as above.

**Range Trend Monitoring:** Track changes in range plant species composition.

**Well Monitoring:** Changes in ground water levels due to riparian enhancement, decrease sediment loading and proper grazing management.

**Sediment Monitoring:** Monitor loading and transport as a function of proper range land grazing management.

**Stream Monitoring:** Peak flows and sediment transfer analysis.

**Rain Monitoring:** Amount of precipitation and correlation of run-off/sediment transport.

### **Range Transect Monitoring (NRCS).**

Trend and range analysis – Every year for the first five years – then every other year for ten years total. Photos will be taken yearly with transect readings. First three years will be coordinated with the University of Arizona Remote Sensing to develop ground truthing for Riparian and range site analysis and monitoring.

### **Riparian Stream Gauge Monitoring.**

After location of gauges is determined, survey cross sections will be taken at the gauge locations to establish a baseline. Cross sections will be run yearly for 10 years. Gauges will be read after major flow events and recalibrated and recorded.

### **Precipitation Monitoring – Rain Gauge Network.**

Rain gauges will be placed at the following locations: Three in High County locations at the Youtcy Head Quarters, Big Tank and Saucito Well. Three in mid-level elevations – Redington Rd. tank, WhiteHouse and the Bar LY and three at lower elevations at the Farm, Soza Canyon at the San Pedro and Roble Canyon at the San Pedro.

The rain gauges, one at each elevation level (high, middle and low), will be read on a daily basis. These locations are at Youtcy Head Quarters, the Bar LY and the Farm.

Rain gauges at all of these locations will be monitored quarterly, in January, April, July and October as close to the 1<sup>st</sup> of each month as possible.

Precipitation will be monitored for 10 years, previous area precipitation records will be analyzed to establish baseline information with statistical analysis on variability and trends.

### **Sediment Monitoring at Dirt Tanks (nine locations).**

Existing dirt tanks at Red Tank (2) #38-18306 and #38-88386, Redington Rd. tank #38-88812, Kidney Pond tank #38-88744, County Tanks (2) #38-18300 and #38-88501, and Ridge Wash tank #36-76295 will be used to monitor sediment loading from the watersheds. Historical records are available on original construction dates and tank dimensions. This will aid in determining baseline data. Ranch personnel and the previous ranch managers will be queried on previous maintenance activities and dates.

Watersheds will be analyzed using NRCS methods to determine area, time of concentration peak flows and associated sediment load estimations.

Prior to clean-out for monitoring, survey cross sections will be taken and size and depth will be estimated yearly, in the dry season (May and Jan) by reviewing cross sections. Tank will be monitored for ten years.

### **Well Monitoring (six sites)**

Well water levels will be monitored at the following locations Youtcy head quarters #613653, White House #613548, Bar LY #613547, Windmill #613652, Roble West #613535 and Roble East #613536. Original well drillers information will be obtained and recorded. Well monitoring will be done twice yearly for ten years. Reading will be taken at the 1<sup>st</sup> of June and 1<sup>st</sup> of November.



**Youtcy perennial riparian area.**



### Task-Timetable

Enter the starting and ending dates of the AWPf project, the duration of the AWPf funded project (in number of months), and the years of benefit your project will provide to the riparian or aquatic habitat. Indicate the timing of all tasks from the scope of work. If you perform a task periodically (e.g., taking water level measurements every 3 months), indicate it in this manner rather than as if it is performed every month. Provide the estimated cost to the AWPf for each task (which includes labor, materials, administration, etc.). The total cost for all tasks must add up to the exact amount you are requesting from the AWPf on the application cover page (line 13a), and must agree with the AWPf column total on the budget page. Forms for years 2 and 3 are included for multi-year projects.

Start Date: <u>Feb 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>December 2000</u> Duration: <u>11 months</u>			Project Name: <u>New water line field # 1, 3K tank and trough.</u> Project #1											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWPf	Task Description	1	2	3	4	5	6	7	8	9	10	11	12
			FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
1	*	PERMITS	X	X	X									
1		SURVEY			X									
1		ARCHEOLOGICAL REVIEW				X								
1		ORDER MATERIALS								X				
1		START CONSTRUCTION									X			
1		INSTALL WATER LINE									X			
1		MOVE TANK AND TROUGH										X		
1		RESEEDING										X		
1		END AS-BUILTS											X	

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>Feb 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2002</u> Duration: <u>29 months</u>			Project Name: Cross fence Field # 1. Project #2											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
2	*	PERMITS	X	X	X									
2		SURVEY			X									
2		ARCHEOLOGICAL REVIEW				X								

\* See attached excel worksheets for information.









Task-Timetable

Start Date: <u>Feb. 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>December 2000</u> Duration: <u>11 months</u>			Project Name: Change out Polyethylene pipe with galvanized pipe from Youtcy spring to the #1 storage tank. Project #3											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
3	*	PERMITS	X	X	X									
3		SURVEY			X									
3		ARCHEOLOGICAL REVIEW				X								
3		ORDER MATERIALS								X				
3		START CONST. BRUSHING									X			
3		PIPELINE									X			
3		GALV. PIPELINE										X		
3		RESEEDING										X		
3		AS-BUILTS											X	

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>Feb. 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2002</u> Duration: <u>29 months</u>		Project Name: Fence new property boundary. If a partnership can be developed with Bellota Preservation Corporation on materials, equipment and labor.  Project #4												
Project Categories and Tasks		Months Since Project Initiated (Year 1)												
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
4	*	PERMITS	X	X	X									
4		SURVEY			X									
4		ARCHEOLOGICAL REVIEW				X								

\* See attached excel worksheets for information.









Task-Timetable

Start Date: <u>Feb. 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>July 2000</u> Duration: <u>6 months</u>			Project Name: Corrals at Red Tank burnt and destroyed in 1993 fire. Rebuild. Project #5											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
5	*	PERMITS	X	X	X									
5		SURVEY			X									
5		ARCHEOLOGICAL REVIEW				X								
5		REBUILD CORRALS				X	X							
5		AS-BUILTS						X						

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>Feb. 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>March 2001</u> Duration: <u>14 months</u>			Project Name: New water line from Youtcy well to Piety Hill Saddle with 10K storage and new 1K trough; then new above ground water line to Section 30. Project #6											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWPf	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
6	*	PERMITS	X	X	X									
6		SURVEY			X									
6		ARCHEOLOGICAL REVIEW				X								
6		ORDER MATERIALS								X				
6		START BRUSHING									X			
6		INSTALL WATER LINE									X	X	X	
6		SET TANK AND TROUGH											X	
6		RESEEDING												
6		UP GRADE WELL												X
6		ORDER PUMP AND MOTOR											X	

\* See attached excel worksheets for information.









Task-Timetable

Start Date: <u>Feb 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2002</u> Duration: <u>30 months</u>			Project Name: Fence field 1B off from Buehman Canyon Riparian Area. Project #7											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
7	*	PERMITS	X	X	X									
7		SURVEY			X									
7		ARCHEOLOGICAL REVIEW				X								

\* See attached excel worksheets for information.







Task-Timetable

Start Date: Feb. 2000 Yrs of Benefit: 20 End Date: May 2001 Duration: 16 months			Project Name: 10K Storage tank at junction #4 and water line replacement. Project #8											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
8	*	PERMITS	X	X	X									
8		SURVEY			X									
8		ARCHEOLOGICAL REVIEW				X								

\* See attached excel worksheets for information.









Task-Timetable

Start Date: <u>Feb 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>May 2002</u> Duration: <u>28 Months</u>			Project Name: Replace water line from # 4 junction to #2 tank. Project #9											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
9	*	PERMITS	X	X	X									
9		SURVEY			X									
9		ARCHEOLOGICAL REVIEW				X								

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>Feb 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>May 2001</u> Duration: <u>16 months</u>			Project Name: Windmill pump installation and wildlife fence. Project #10											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
10	*	PERMITS	X	X	X									
10		SURVEY			X									
10		ARCHEOLOGICAL REVIEW				X								
10		PULL WELL SET PUMP												X
10		ORDER PUMP AND MOTOR											X	

- See attached excel worksheets for information.









Task-Timetable

Start Date: <u>Feb 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>September 2002</u> Duration: <u>20 months</u>			Project Name: Fence out Youtcy spring – SHP Pump. Project #10											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWPF	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
11	*													

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>Feb 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>Jan 2001</u> Duration: <u>24 months</u>			Project Name: Prospect Well and water line Project #12.											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWPf	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
12	*	PERMITS WELL	X	X	X									
12		DRILL WELL												X
12		ORDER PUMP AND MOTOR										X		
12		ORDER MATERIALS												X

- See attached excel worksheets for information.



Project Categories and Tasks			Project Name: Prospect Well and water line Project #12											
			Months Since Project Initiated (Year 2)											
Task No.	Task Cost to AWP	Task Description	13 FEB	14 MAR	15 APR	16 MAY	17 JUN	18 JUL	19 AUG	20 SEP	21 OCT	22 NOV	23 DEC	24 JAN
12	*	PERMITS	X	X	X									
12		SURVEY			X									
12		ARCHEOLOGICAL REVIEW				X								
12		DOZER WORK								X				
12		INSTALL BELOW GROUND WATER LINE								X				
12		INSTALL ABOVE GROUND WATER LINE									X	X		
12		PLUMB TANK AND TROUGH										X	X	
12		AS-BUILTS												X

\* See attached excel worksheets for information.





Task-Timetable

Start Date: <u>Feb 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>Dec 2001</u> Duration: <u>11 months</u>			Project Name: White House troughs and Bar LY water line. Project #13											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
13	*													

\* See attached excel worksheets for information.

Project Categories and Tasks			Project Name: White House troughs and Bar LY water line. Project #13											
			Months Since Project Initiated (Year 2)											
Task No.	Task Cost to AWP	Task Description	13 FEB	14 MAR	15 APR	16 MAY	17 JUN	18 JUL	19 AUG	20 SEP	21 OCT	22 NOV	23 DEC	24 JAN
13	*	PERMITS	X	X	X									
13		SURVEY			X									
13		ARCHEOLOGICAL REVIEW			X									
13		BACKHOE			X									
13		REPLACE TROUGH #1				X								
13		REPLACE TROUGH #2					X							
13		REPLACE TROUGH #3						X						
13		REPLACE TROUGH #4							X					
13		ORDER MATERIAL			X									
13		REPLACE WATER LINE BAR LY									X	X		
13		AS-BUILTS											X	

\* See attached excel worksheets for information.





Task-Timetable

Start Date: <u>Feb 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>Jan 2001</u> Duration: <u>12 months</u>			Project Name: Wildlife Habitat Improvement Program (WHIP) Project #14											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
14	*	PERMITS												
14		SURVEY												
14		ARCHEOLOGICAL REVIEW												

\* See attached excel worksheets for information.



Project Categories and Tasks			Project Name: Wildlife Habitat Improvement Program (WHIP) Project #14											
			Months Since Project Initiated (Year 2)											
Task No.	Task Cost to AWP	Task Description	13 FEB	14 MAR	15 APR	16 MAY	17 JUN	18 JUL	19 AUG	20 SEP	21 OCT	22 NOV	23 DEC	24 JAN
14	*	PERMITS	X	X	X									
14		SURVEY			X									
14		ARCHEOLOGICAL REVIEW			X									
14		DOZER WORK								X				
14		INSTALL WATER LINE								X	X			
14		POND LINER								X				
14		SET TANK AND TROUGH									X	X		
14		FENCE										X	X	
14		BRUSH PILES										X		
14		AS-BUILTS												X
14		ORDER MATERIALS							X					

\* See attached excel worksheets for information.





Task-Timetable

Start Date: <u>Nov 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>Dec 2001</u> Duration: <u>14 months</u>			Project Name: Water line extension from County tank and troughs. Project #15											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
15	*	ORDER PUMP AND MOTOR										X		
15		REPLACE PUMP AND MOTOR												X

\* See attached excel worksheets for information.

Project Categories and Tasks			Project Name: Water line extension from County tank and troughs. Project #15											
			Months Since Project Initiated (Year 2)											
Task No.	Task Cost to AWP	Task Description	13 FEB	14 MAR	15 APR	16 MAY	17 JUN	18 JUL	19 AUG	20 SEP	21 OCT	22 NOV	23 DEC	24 JAN
15	*	PERMITS	X	X	X									
15		SURVEY			X									
15		ARCHEOLOGICAL REVIEW			X									
15		ORDER MATERIALS							X					
15		DOZER WORK								X				
15		INSTALL WATER LINE								X	X			
15		REPLUMB TANK									X			
15		SET TROUGH									X			
15		RESEEDING										X		
15		AS-BUILTS											X	

\* See attached excel worksheets for information.





Task-Timetable

Start Date: <u>Feb. 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>Jan 2002</u> Duration: <u>12 months</u>			Project Name: Big Tank water line, storage and troughs. Project #16											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
16	*													

\* See attached excel worksheets for information.

Project Categories and Tasks			Project Name: Big Tank water line, storage and troughs. Project #16											
			Months Since Project Initiated (Year 2)											
Task No.	Task Cost to AWP	Task Description	13 FEB	14 MAR	15 APR	16 MAY	17 JUN	18 JUL	19 AUG	20 SEP	21 OCT	22 NOV	23 DEC	24 JAN
16	*	PERMITS	X	X	X									
16		SURVEY			X									
16		ARCHEOLOGICAL REVIEW			X									
16		ORDER MATERIALS							X					
16		DOZER									X			
16		UNDERGROUND WATER LINE									X	X		
16		ABOVE GROUND WATER LINE										X	X	
16		SET TANKS AND TROUGH											X	
16		ORDER 2HP PUMP									X			
16		RESEEDING										X		
16		AS-BUILTS												X

\* See attached excel worksheets for information.





Task-Timetable

Start Date: <u>Feb 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>May 2002</u> Duration: <u>18 months</u>			Project Name: Well work at Roble West/water line repair. Project #17											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
17	*	WELL WORK SUBMERSIBLE												X
17		ORDER PUMP AND MOTOR											X	

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>November 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2002</u> Duration: <u>8 months</u>			Project Name: Cross fence Roble. Project #18											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
18	*													

\* See attached excel worksheets for information.



Project Categories and Tasks			Project Name: Cross fence Roble.											
			Months Since Project Initiated (Year 3)											
Task No.	Task Cost to AWPf	Task Description	25 FEB	26 MAR	27 APR	28 MAY	29 JUN	30 JUL	31 AUG	32 SEP	33 OCT	34 NOV	35 DEC	36 JAN
18	*	ORDER MATERIALS		X										
18		DOZER WORK			X									
18		BUILD FENCE			X	X	X							
18		AS-BUILTS					X							
18		RESEEDING					X							
18		FINAL REPORT										X	X	X

\* See attached excel worksheets for information.



Task-Timetable

Start Date: <u>Nov 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2002</u> Duration: <u>8 months</u>			Project Name: Water line – Saucito to Ridge Wash with 3K and trough. Project #19											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
19	*													

\* See attached excel worksheets for information.



Project Categories and Tasks			Project Name: Water line – Saucito to Ridge Wash with 3K and trough.											
			Months Since Project Initiated (Year 3)											
Task No.	Task Cost to AWP	Task Description	25 FEB	26 MAR	27 APR	28 MAY	29 JUN	30 JUL	31 AUG	32 SEP	33 OCT	34 NOV	35 DEC	36 JAN
19	*	DOZER WORK			X									
19		ORDER MATERIALS		X										
19		INSTALL WATER LINE			X	X								
19		SET TANK AND TROUGH				X								
19		AS-BUILTS					X							
19		REPAIR 3K TANK LEAK				X								
19		FINAL REPORT										X	X	X

\* See attached excel worksheets for information.



Task-Timetable

Start Date: <u>Nov 2001</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2002</u> Duration: <u>8 months</u>			Project Name: Spring Development – water line & storage. Project #20											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
20	*	SPRING DEVELOPMENT												

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>Feb. 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2000</u> Duration: <u>5 months</u>				Project Name: Installing monitoring points and devises. Project #21											
Project Categories and Tasks				Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN	
21	*	PERMITS	X	X	X										
21		SURVEY			X										
21		ARCHEOLOGICAL REVIEW				X									
21		ESTABLISH PHOTO POINTS				X	X								
21		TRANSECTS, STAFF GAUGES				X	X								
21		WELL MONITORING AND RAIN GAUGES		X											
21		ORDER SOUNDER	X												
21		ORDER MATERIALS	X												
21		GPS/GIS AS BUILTS		X		X	X								

\* See attached excel worksheets for information.







Task-Timetable

Start Date: <u>September 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2002</u> Duration: <u>22 moths</u>			Project Name: 11 Concrete tank for repair. Project #22											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWPf	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
22	*	Tank field #1 sandblast and sealing								X	X			
22		Tank field #1 roof									X	X		
22		Tank field #2 roof									X	X		
22		Tank field #2 sandblast and sealing								X	X			
22		Tank field #3 sandblast and sealing								X	X			
22		Tank field #3 roof										X	X	
22		Tank field #4 roof										X	X	
22		Tank field #4 sanblast and sealing								X	X			
22		As-builts GIS											X	

\* See attached excel worksheets for information.

Project Categories and Tasks			Project Name: 11 Concrete tank for repair. Project #22											
			Months Since Project Initiated (Year 2)											
Task No.	Task Cost to AWP	Task Description	13 FEB	14 MAR	15 APR	16 MAY	17 JUN	18 JUL	19 AUG	20 SEP	21 OCT	22 NOV	23 DEC	24 JAN
22	*	Tank field #5 sandblast and sealing								X	X			
22		Tank field #5 roof									X	X		
22		Tank field #6 sandblast and sealing								X	X			
22		Tank field #6 roof									X	X		
22		Tank field I6 sandblast and sealing								X	X			
22		Tank field I6 roof										X	X	
22		Tank field #11 sandblast and sealing								X	X			
22		Tank field #11 roof										X	X	
22		As-builts											X	

\* See attached excel worksheets for information.

Project Categories and Tasks			Project Name: 11 Concrete tank for repair.											
			Months Since Project Initiated (Year 3)											
Task No.	Task Cost to AWP	Task Description	25 FEB	26 MAR	27 APR	28 MAY	29 JUN	30 JUL	31 AUG	32 SEP	33 OCT	34 NOV	35 DEC	36 JAN
22	*	Tank field 12a sandblast and sealing		X	X									
22		Tank field 12a roof			X	X								
22		Tank field 12b sandblast and sealing		X	X									
22		Tank field 12a roof			X	X								
22		Tank field 12c sandblast and sealing		X	X									
22		Tank field 12c roof				X	X							
22		As-builts					X							
22		FINAL REPORT										X	X	X

\* See attached excel worksheets for information.



Task-Timetable

Start Date: <u>Feb 2000</u> Yrs of Benefit: <u>20</u> End Date: <u>June 2000</u> Duration: <u>5 months</u>			Project Name: Sediment clean-out at seven dirt tanks. Project #23											
Project Categories and Tasks			Months Since Project Initiated (Year 1)											
Task No.	Task Cost to AWP	Task Description	1 FEB	2 MAR	3 APR	4 MAY	5 JUN	6 JUL	7 AUG	8 SEP	9 OCT	10 NOV	11 DEC	12 JAN
23	*	MAINTENANCE												
23		TANK #3	X											
23		TANK #4	X											
23		TANK #9		X										
23		TANK #10		X										
23		TANK #11			X									
23		TANK #12			X									
23		TANK #24				X								
23		SURVEY CROSS-SECTIONS	X	X	X	X								
23		SURVEY AS-BUILTS		X	X	X	X							

\* See attached excel worksheets for information.























## Project Budget Forms

On the project budget forms, break down your budget into Administrative costs, Direct Labor costs, Other Direct costs, Outside Services costs, and Capital Outlay costs. It is most helpful to identify all costs by Task number. Identify requested AWPFC funding on the first form and other matching funds on the next form.

**Administrative costs** are management and overhead costs and by statute the total administrative costs charged to the AWPFC cannot exceed 5% of the total amount requested from the AWPFC.

**Direct Labor costs** include the labor costs directly involved with the project. Break down these costs by: Job classification (e.g., laborer, project scientist, hydrologist, etc.); average cost/hour for that job classification; number of hours for that job classification; and total cost [Total cost = (Job classification cost/hour) x (number of hours)].

**Other Direct cost** include supplies and materials, paper, pencils, computer time, per diem, printing, public relations, etc.

**Outside Services** are consultants or subcontractors.

**Outlay Capital costs** include any equipment costs greater than \$1000.00.

TASK: Number and short description	AWPFC FUNDS REQUESTED					
	ADMIN COSTS (1)	DIRECT LABOR COSTS (2)	OTHER DIRECT COSTS	OUTSIDE SERVICES	CAPITAL OUTLAY(3)	TOTAL
Project #1	-	1,441.49	11,516.43	494.40	2549.25	16,001.59
Project #2	-	3,589.55	18,931.40	663.32	2,549.25	25,733.52
Project #3	-	1,442.00	4,750.36	535.60	2,039.40	8,767.36
Project #4	-	-	-	-	-	-
Project #5	-	-	-	-	-	-
Project #6	-	2,472.00	28,355.90	2,954.04	3,059.10	36,841.04
Project #7	-	1,174.20	2,698.60	412.00	1,019.70	5,304.50
Project #8	-	988.80	10,912.85	535.60	1,529.55	13,966.80
Project #9	-	988.80	5,045.97	576.80	1,529.55	8,141.12
<b>AWPFC TOTALS</b>	-	-	-	-	-	-

- (1) Administration costs are limited to 5% of the total dollars requested for a project.
- (2) Include wages, salaries, and fringe benefits.
- (3) Attach list of capital equipment expenditures over \$1,000.00, Water (CAP/Effluent), etc.

**BUDGET FORMS CONTINUED**

TASK: Number and short description	OTHER FUNDS (MATCHING) (4)					TOTAL
	ADMIN COSTS (1)	DIRECT LABOR COSTS (2)	OTHER DIRECT COSTS	OUTSIDE SERVICE	CAPITAL OUTLAY (3)	
Project #1	885.49	1,112.40	597.40	-	-	2,595.37
Project #2	1,398.69	1,483.20	757.05	-	-	3,638.94
Project #3	523.86	1,112.40	597.40	-	-	2,233.66
Project #4	3,109.11	27,109.60	28,990.38	2,513.20	3,568.95	65,291.24
Project #5	336.40	2,472.00	3,592.64	663.32	-	7,064.36
Project #6	1,929.34	1,112.40	633.45	-	-	3,675.19
Project #7	353.29	1,212.40	648.90	-	-	2,114.59
Project #8	783.83	1,112.40	597.40	-	-	2,493.63
Project #9	487.40	1,112.40	494.40	-	-	2,094.20
Project #10	314.86	370.80	530.45	-	-	1,216.11
Project #11	305.49	370.80	530.45	-	-	1,206.74
Project #12	1,109.77	741.60	530.45	-	-	2,381.82
<b>MATCHING TOTALS</b>	-	-	-	-	-	-

- (1) Administration costs are limited to 5% of the total dollars requested for a project.
- (2) Include wages, salaries, and fringe benefits.
- (3) Attach list of capital equipment expenditures over \$1,000.00, Water (CAP/Effluent), etc.
- (4) Use the value of volunteer labor based on current minimum wage; technical volunteer labor can be based on an hourly fee comparable to a consultant's fee.

## Project Budget Forms

On the project budget forms, break down your budget into Administrative costs, Direct Labor costs, Other Direct costs, Outside Services costs, and Capital Outlay costs. It is most helpful to identify all costs by Task number. Identify requested AWPFC funding on the first form and other matching funds on the next form.

**Administrative costs** are management and overhead costs and by statute the total administrative costs charged to the AWPFC cannot exceed 5% of the total amount requested from the AWPFC.

**Direct Labor costs** include the labor costs directly involved with the project. Break down these costs by: Job classification (e.g., laborer, project scientist, hydrologist, etc.); average cost/hour for that job classification; number of hours for that job classification; and total cost [Total cost = (Job classification cost/hour) x (number of hours)].

**Other Direct cost** include supplies and materials, paper, pencils, computer time, per diem, printing, public relations, etc.

**Outside Services** are consultants or subcontractors.

**Outlay Capital costs** include any equipment costs greater than \$1000.00.

TASK: Number and short description	AWPFC FUNDS REQUESTED					
	ADMIN COSTS (1)	DIRECT LABOR COSTS (2)	OTHER DIRECT COSTS	OUTSIDE SERVICES	CAPITAL OUTLAY(3)	TOTAL
Project #10	-	288.40	2,738.54	2,369.00	-	5,395.94
Project #11	-	412.00	4,384.50	412.00	-	5,208.50
Project #12	-	2,224.80	11,468.02	7,230.60	-	20,923.42
Project #13	-	906.40	4,418.70	412.00	-	5,737.10
Project #14	-	-	-	-	-	-
Project #15	-	1,030.00	4,435.18	1,133.00	1,529.55	8,127.73
Project #16	-	3,687.40	21,371.47	4,841.00	3,568.95	33,468.82
Project #17	-	947.60	3,841.90	4,017.00	1,019.70	9,826.20
Project #18	-	7,992.80	9,967.31	1,648.00	5,098.50	24,7006.61
<b>AWPFC TOTALS</b>	-	-	-	-	-	-

- (1) Administration costs are limited to 5% of the total dollars requested for a project.
- (2) Include wages, salaries, and fringe benefits.
- (3) Attach list of capital equipment expenditures over \$1,000.00, Water (CAP/Effluent), etc.



**BUDGET FORMS CONTINUED**

TASK: Number and short description	OTHER FUNDS (MATCHING) (4)					
	ADMIN COSTS (1)	DIRECT LABOR COSTS (2)	OTHER DIRECT COSTS	OUTSIDE SERVICE	CAPITAL OUTLAY (3)	TOTAL
Project #13	350.46	741.60	530.45	-		1,622.51
Project #14	846.40	2,678.00	11,633.85	576.80	2,039.40	17,774.45
Project #15	491.88	1,112.40	597.40	-	-	2,201.68
Project #16	1,749.66	741.60	782.80	-	-	3,274.06
Project #17	530.45	185.40	597.40	-	-	1,313.25
Project #18	1,492.32	2,966.40	2,173.30	-	-	4,458.72
Project #19	555.58	741.60	597.40	-	-	1,894.58
Project #20	863.19	741.60	133.90	-	-	1,738.69
Project #21 (a,b,c,d,e,f)	1,150.66	741.60	721.00	-	-	2,613.26
Project #21 g		23,793.00	31,524.00	-	-	55,317.00
Project #22	2,447.15	370.80	736.45	-	-	3,554.40
Project #23	1,790.27	741.60	-	-	-	2,531.87
<b>MATCHING TOTALS</b>	-	-	-	-	-	-

- (1) Administration costs are limited to 5% of the total dollars requested for a project.
- (2) Include wages, salaries, and fringe benefits.
- (3) Attach list of capital equipment expenditures over \$1,000.00, Water (CAP/Effluent), etc.
- (4) Use the value of volunteer labor based on current minimum wage; technical volunteer labor can be based on an hourly fee comparable to a consultant's fee.

## Project Budget Forms

On the project budget forms, break down your budget into Administrative costs, Direct Labor costs, Other Direct costs, Outside Services costs, and Capital Outlay costs. It is most helpful to identify all costs by Task number. Identify requested AWPFC funding on the first form and other matching funds on the next form.

**Administrative costs** are management and overhead costs and by statute the total administrative costs charged to the AWPFC cannot exceed 5% of the total amount requested from the AWPFC.

**Direct Labor costs** include the labor costs directly involved with the project. Break down these costs by: Job classification (e.g., laborer, project scientist, hydrologist, etc.); average cost/hour for that job classification; number of hours for that job classification; and total cost [Total cost = (Job classification cost/hour) x (number of hours)].

**Other Direct cost** include supplies and materials, paper, pencils, computer time, per diem, printing, public relations, etc.

**Outside Services** are consultants or subcontractors.

**Outlay Capital costs** include any equipment costs greater than \$1000.00.

TASK: Number and short description	AWPFC FUNDS REQUESTED					
	ADMIN COSTS (1)	DIRECT LABOR COSTS (2)	OTHER DIRECT COSTS	OUTSIDE SERVICES	CAPITAL OUTLAY(3)	TOTAL
Project #19	-	1,184.50	8,176.14	412.00	-	9,772.64
Project #20	-	1,936.40	13,788.61	663.32	-	16,388.33
Project #21 (a,b,c,d,e,f)	-	18,012.64	2,714.05	824.00	-	21,550.69
Project #21g	-	59,679.00	30,633.00	600.00	-	90,912.00
Project #22	-	9,064.00	38,771.78	-	-	47,835.78
Project #23	-	8,652.00	2,781.00	-	23,630.78	35,063.78
Project #24	-	257.50	257.50	-	-	515.00
Project #25	-	27,500.00	6,500.00	-	2,000.00	36,000.00
	-	-	-	-	-	-
<b>AWPFC TOTALS</b>	-	155,872.28	248,468.21	30,733.68	51,123.28	486,197.45

- (1) Administration costs are limited to 5% of the total dollars requested for a project.
- (2) Include wages, salaries, and fringe benefits.
- (3) Attach list of capital equipment expenditures over \$1,000.00, Water (CAP/Effluent), etc.

**BUDGET FORMS CONTINUED**

TASK: Number and short description	OTHER FUNDS (MATCHING) (4)					TOTAL
	ADMIN COSTS (1)	DIRECT LABOR COSTS (2)	OTHER DIRECT COSTS	OUTSIDE SERVICE	CAPITAL OUTLAY (3)	
Project #24	25.75					25.75
Project #25	-	-	-	-	-	-
<b>MATCHING TOTALS</b>	<b>26,380.55</b>	<b>74,877.40</b>	<b>88,527.92</b>	<b>3,753.32</b>	<b>5,608.35</b>	<b>199,147.54</b>

- (1) Administration costs are limited to 5% of the total dollars requested for a project.
- (2) Include wages, salaries, and fringe benefits.
- (3) Attach list of capital equipment expenditures over \$1,000.00, Water (CAP/Effluent), etc.
- (4) Use the value of volunteer labor based on current minimum wage; technical volunteer labor can be based on an hourly fee comparable to a consultant's fee.



## **Budget Information – AWPf Request**

Provide a breakdown of your funding request to AWPf. Identify any direct labor costs, other direct costs, outside services and any capital costs. Identify costs by task.

**See the attached 'excel' spreadsheets for each projects (tasks) breakdown.**

**Project Manager - \$25.00/hr.**

**Archeologist - \$50/hr.**

**Equipment Operator - \$15/hr.**

**Laborers \$10/hr.**

**Foreman - \$15/hr.**

**Surveyors \$22.50/hr.**

**Range Conservationist - \$21/hr.**

## **Budget Information - Matching**

Provide written evidence of all secured funds (in-hand or committed in writing) that you are listing on the cover page. The value of volunteer labor is based on current minimum wage; technical volunteer labor can be based on an hourly fee comparable to a consultant's fee. An explanation of any in-kind contributions listed in your application is recommended. Identify costs by task.

**See the attached 'excel' spreadsheets for each projects (tasks) breakdown.**

**Project Manager - \$25.00/hr.**

**Archeologist - \$50/hr.**

**Equipment Operator - \$15/hr.**

**Laborers \$10/hr.**

**Foreman - \$15/hr.**

**Surveyors \$22.50/hr.**

**Range Conservationist - \$21/hr.**

Project #1: Location Sec. 9, 15, and 16, T12S, R18E  
 Field #1  
 Description: Extend pipeline from existing trough in Section 15 to NE 1/4, NE 1/4 Sec. 16.  
 Move existing 3K storage tank and 800 gal. Trough to same location. This H2O line, trough  
 and storage will replace the water lost to this portion of the pasture.

AWPF COST CODES	
AC - Administration Costs	\$ 885.57
DLC - Direct Labor Costs	\$ 2,553.89
ODC - Other Direct Costs	\$ 12,113.83
OS - Outside Services	\$ 494.40
CO - Capital Outlay	\$ 2,549.25
	\$ 18,596.93

Ranking: 12

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	10K Steel storage tank	1.00	each	7,009.00	7,009.00	7,219.27	7,219.27	ODC	
2	6400' - 1 1/2" PVC sch 40	6,400.00	ft	0.36	2,304.00	2,373.12	2,373.12	ODC	
3	Misc. fittings, float, valves, range seed, survey lathe.	1.00	each	200.00	200.00	206.00	206.00	ODC	
4	Range seed	3.00	acre	50.00	150.00	154.50	154.50	ODC	
5	PVC Cement	1.00	gallon	48.00	48.00	49.44	49.44	ODC	
6	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
7	Survey lathe bundles	1.00	bundle	25.00	25.00	25.75	25.75	ODC	
<b>SUBTOTAL</b>				<b>7,832.36</b>	<b>10,236.00</b>	<b>10,543.08</b>	<b>10,543.08</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer to bury H2O line and pad site	5.00	day	495.00	2,475.00	2,549.25	2,549.25	CO	
2	John Deere tractor and drill to re-seed	8.00	hour	50.00	400.00	412.00		ODC	412.00
3	3/4 ton Pick-up	2.00	day	50.00	100.00	103.00		ODC	103.00
4	Flat bed trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
5	Transport of Equipment	1.00	move	300.00	300.00	309.00	309.00	ODC	
6	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
7	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>1,150.00</b>	<b>3,545.00</b>	<b>3,651.35</b>	<b>3,053.95</b>		<b>597.40</b>
<b>SURVEY</b>									
1	GPS Elevation for design checks	2.00	day	360.00	720.00	741.60		DLC	741.60
2	Survey H2O line as-builts and GIS	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>	<b>0.00</b>		<b>1,112.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	1.20	mile	400.00	480.00	494.40	494.40	OS	0.00
<b>SUBTOTAL</b>				<b>400.00</b>	<b>480.00</b>	<b>494.40</b>	<b>494.40</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	ADA	1.00	permit		0.00	0.00	0.00	ODC	
3	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
4	Pima County	1.00	permit	405.00	405.00	417.15	417.15	ODC	
<b>SUBTOTAL</b>				<b>455.00</b>	<b>455.00</b>	<b>468.65</b>	<b>468.65</b>		<b>0.00</b>
<b>LABOR</b>									
1	Installation of pipe and plumbing	40.00	hours	10.00	400.00	412.00	412.00	DLC	
2	Running equipment	53.30	hours	15.00	799.50	823.49	823.49	DLC	
3	Reseeding	8.00	hours	15.00	120.00	123.60	123.60	DLC	
4	Moving existing tank and trough	8.00	hours	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>1,399.50</b>	<b>1,441.49</b>	<b>1,441.49</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>17,195.50</b>	<b>17,711.37</b>	<b>16,001.57</b>	<b>0.00</b>	<b>1,709.80</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>885.57</b>		<b>0.00</b>	<b>885.57</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>17,195.50</b>	<b>18,596.93</b>		<b>0.00</b>	<b>2,595.37</b>



Project #2: Sec. 19, 20, and 21, T12S, R18E  
 Field #1  
 Description: Cross - fence pasture from concrete storage tank # 2 in Sec. 21 to N-S ridge fence in Sec. 19. Length = 8,500 ft.  
 Ranking: 15

AWPF COST CODES		
AC - Administration Costs	\$	1,398.69
DLC - Direct Labor Costs	\$	5,072.75
ODC - Other Direct Costs	\$	19,688.45
OS - Outside Services	\$	663.32
CO - Capital Outlay	\$	2,549.25
	\$	29,372.46

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	8,500 ft. fence	8,500.00	ft	0.36	3,060.00	3,151.80	3,151.80	ODC	
2	Cattle guard	1.00	each	13,000.00	13,000.00	13,390.00	13,390.00	ODC	
3	12' Gate	2.00	each	70.00	140.00	144.20	144.20	ODC	
4	Survey lathe	2.00	bundle	50.00	100.00	103.00	103.00	ODC	
5	Seed	4.00	acre	50.00	200.00	206.00	206.00	ODC	
6	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
7	Aggregate Base Course (ABC)	45.00	cy	8.00	360.00	370.80	370.80	ODC	
<b>SUBTOTAL</b>				<b>13,678.36</b>	<b>17,360.00</b>	<b>17,880.80</b>	<b>17,880.80</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	5.00	day	495.00	2,475.00	2,549.25	2,549.25	CO	
2	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
3	John Deere imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
4	Flat bed trailer	1.00	day	15.00	15.00	15.45		ODC	15.45
5	3/4 ton pick up	3.00	day	50.00	150.00	154.50		ODC	154.50
6	5 Ton dump	3.00	day	40.00	120.00	123.60		ODC	123.60
7	Backhoe	3.00	day	190.00	570.00	587.10	587.10	ODC	
8	Grader	1.00	day	355.00	355.00	365.65	365.65	ODC	
<b>SUBTOTAL</b>				<b>1,245.00</b>	<b>4,135.00</b>	<b>4,259.05</b>	<b>3,502.00</b>		<b>757.05</b>
<b>SURVEY</b>									
1	Fence line	3.00	day	360.00	1,080.00	1,112.40		DLC	1,112.40
2	GPS as-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,440.00</b>	<b>1,483.20</b>			<b>1,483.20</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	SHPO by Desert Archeology	1.61	mile	400.00	644.00	663.32	663.32	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>644.00</b>	<b>663.32</b>	<b>663.32</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	ADA - Arizona Native Plant Law	1.00	permit		0.00	0.00	0.00	ODC	
3	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
4	Pima County	1.00	permit	45.00	45.00	46.35	46.35	ODC	
<b>SUBTOTAL</b>				<b>95.00</b>	<b>95.00</b>	<b>97.85</b>	<b>97.85</b>		<b>0.00</b>
<b>LABOR</b>									
1	Brushing fence line - operating equipment	40.00	hours	15.00	600.00	618.00	618.00	DLC	
2	Building fence line	168.00	hours	10.00	1,680.00	1,730.40	1,730.40	DLC	
3	Re-seeding fence line	8.00	hours	10.00	80.00	82.40	82.40	DLC	
4	Installing cattle guard - operating equipment	75.00	hours	15.00	1,125.00	1,158.75	1,158.75	DLC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>3,485.00</b>	<b>3,589.55</b>	<b>3,589.55</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>27,159.00</b>	<b>27,973.77</b>	<b>25,733.52</b>	<b>0.00</b>	<b>2,240.25</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>1,398.69</b>		<b>0.00</b>	<b>1,398.69</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>27,159.00</b>	<b>29,372.46</b>		<b>0.00</b>	<b>3,638.94</b>

Project #3: Location Sec. 4, T13S, R18E to Sec. 28, 33, T12S, R18E  
 Field #1  
 Description: Change out 1 1/2" PE to galvanized 1 1/2" pipe from YOUTCY spring to tank concrete storage #1 +/- 700 ft.  
 Replace pipeline from concrete storage tank #1 to 10K tank at #4 junction +/- 6,000 ft.

AWPF COST CODES		
AC - Administration Costs	\$	523.86
DLC - Direct Labor Costs	\$	2,554.40
ODC - Other Direct Costs	\$	5,347.76
OS - Outside Services	\$	535.60
CO - Capital Outlay	\$	2,039.40
	\$	11,001.02

Ranking: 13

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	700' galvanized 1 1/2" pipe	700.00	lf	1.37	959.00	987.77	987.77	ODC	
2	6000' - 1 1/2" sch 40 PVC pipe	6,000.00	ft	0.36	2,160.00	2,224.80	2,224.80	ODC	
3	Misc. fittings, valves, and floats	1.00	each	200.00	200.00	206.00	206.00	ODC	
4	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
5	PVC Cement	1.00	each	48.00	48.00	49.44	49.44	ODC	
6	Seed	3.00	acre	50.00	150.00	154.50	154.50	ODC	
<b>SUBTOTAL</b>				<b>799.73</b>	<b>4,017.00</b>	<b>4,137.51</b>	<b>4,137.51</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	4.00	day	495.00	1,980.00	2,039.40	2,039.40	CO	
2	Blade	1.00	day	355.00	355.00	365.65	365.65	ODC	
3	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
4	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
5	Flat bed trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
6	3/4 ton pickup	2.00	day	50.00	100.00	103.00		ODC	103.00
7	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>1,205.00</b>	<b>3,105.00</b>	<b>3,198.15</b>	<b>2,600.75</b>		<b>597.40</b>
<b>SURVEY</b>									
1	H2O Lines for brushing	2.00	day	360.00	720.00	741.60		DLC	741.60
2	GPS elevations and as-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>	<b>0.00</b>		<b>1,112.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural Review by Desert Archeology	1.30	mile	400.00	520.00	535.60	535.60	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>520.00</b>	<b>535.60</b>	<b>535.60</b>		<b>0.00</b>
<b>PERMITS</b>									
1	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
2	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>51.50</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Equipment Operation	40.00	hour	15.00	600.00	618.00	618.00	DLC	
2	Pipeline installation	64.00	hour	10.00	640.00	659.20	659.20	DLC	
3	Plumbing	8.00	hour	10.00	80.00	82.40	82.40	DLC	
4	Re-seeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>1,619.73</b>	<b>5,027.00</b>	<b>1,442.00</b>	<b>1,442.00</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>13,800.50</b>	<b>10,477.16</b>	<b>8,767.36</b>	<b>0.00</b>	<b>1,709.80</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>523.86</b>		<b>0.00</b>	<b>523.86</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>13,800.50</b>	<b>11,001.02</b>	<b>8,767.36</b>	<b>0.00</b>	<b>2,233.66</b>

Project #4: Location Sec. 4, 5, 7, 8 and 9, T12S, R18E  
 Field #1  
 Description: Fence Gap in north end of pasture +/- 32,200 ft.  
 New property boundary.

AWPF COST CODES	
AC - Administration Costs	\$ 3,109.11
DLC - Direct Labor Costs	\$ 27,109.60
ODC - Other Direct Costs	\$ 28,990.38
OS - Outside Services	\$ 2,513.20
CO - Capital Outlay	\$ 3,568.95
	\$ 65,291.24

Ranking: 19

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	32,200 ft. fence	32,200.00	ft.	0.38	12,236.00	12,603.08	12,603.08	ODC	
2	Cattle guard	1.00	each	13,000.00	13,000.00	13,390.00	13,390.00	ODC	
3	16' Gate	1.00	each	90.00	90.00	92.70	92.70	ODC	
4	Seed	15.00	acre	50.00	750.00	772.50	772.50	ODC	
5	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
6	Aggregate Base Course (ABC)	45.00	cy	8.00	360.00	370.80	370.80	ODC	
<b>SUBTOTAL</b>				<b>13,140.38</b>	<b>26,076.00</b>	<b>27,744.08</b>	<b>27,744.08</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	7.00	day	495.00	3,465.00	3,568.95	3,568.95	CO	
2	3/4 ton truck	5.00	day	50.00	250.00	257.50		ODC	257.50
3	Backhoe	3.00	day	190.00	570.00	587.10	587.10	ODC	
4	Trailer	5.00	day	15.00	75.00	77.25		ODC	77.25
5	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
6	John Deere Tractor	1.00	day	50.00	50.00	51.50		ODC	51.50
7	Dump Truck	3.00	day	40.00	120.00	123.60		ODC	123.60
<b>SUBTOTAL</b>				<b>890.00</b>	<b>4,580.00</b>	<b>4,717.40</b>	<b>4,156.05</b>		<b>561.35</b>
<b>SURVEY</b>									
1	Boundary Survey, GPS	6.00	mile	3,000.00	18,000.00	18,540.00		DLC	18,540.00
<b>SUBTOTAL</b>				<b>3,000.00</b>	<b>18,000.00</b>	<b>18,540.00</b>	<b>0.00</b>		<b>18,540.00</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	6.10	mile	400.00	2,440.00	2,513.20	2,513.20	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>2,440.00</b>	<b>2,513.20</b>	<b>2,513.20</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
4	Pima County	1.00	permit	45.00	45.00	46.35	46.35	ODC	
<b>SUBTOTAL</b>				<b>95.00</b>	<b>95.00</b>	<b>97.85</b>	<b>97.85</b>		<b>0.00</b>
<b>LABOR</b>									
1	Building fence	592.00	hours	10.00	5,920.00	6,097.60	6,097.60	DLC	
2	Install cattle guard	64.00	hours	10.00	640.00	659.20	659.20	DLC	
3	Equipment Operation	80.00	hours	15.00	1,200.00	1,236.00	1,236.00	DLC	
4	Re-seeding	56.00	hours	10.00	560.00	576.80	576.80	DLC	
<b>SUBTOTAL</b>				<b>45.00</b>	<b>8,320.00</b>	<b>8,569.60</b>	<b>8,569.60</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>59,511.00</b>	<b>62,182.13</b>	<b>43,080.78</b>	<b>0.00</b>	<b>19,101.35</b>
<b>ADMINISTRATIVE COST (5%)</b>					<b>2,975.55</b>	<b>3,109.11</b>		<b>0.00</b>	<b>3,109.11</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>62,486.55</b>	<b>65,291.24</b>		<b>0.00</b>	<b>22,210.46</b>



Project #5: Sec. 29, T12S, R18E

Field #1

Description: Rebuild corrals at Red Tank destroyed by fire in 1993

AWPF COST CODES	
AC - Administration Costs	\$ 336.40
DLC - Direct Labor Costs	\$ 2,472.00
ODC - Other Direct Costs	\$ 3,592.64
OS - Outside Services	\$ 663.32
CO - Capital Outlay	\$ 7,064.36

Ranking: 17

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	Wood posts and fence material	20.00	each	20.00	400.00	412.00		ODC	412.00
2	Sucker rod	2,000.00	ft	0.25	508.00	523.24		ODC	523.24
3	Gates 8ft.	8.00	each	55.00	440.00	453.20		ODC	453.20
4	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00		ODC	515.00
5	Welding Supplies	1.00	each	100.00	100.00	103.00		ODC	103.00
<b>SUBTOTAL</b>				<b>675.25</b>	<b>1,948.00</b>	<b>2,006.44</b>	<b>0.00</b>		<b>2,006.44</b>
<b>EQUIPMENT</b>									
1	Portable welder	2.00	day	50.00	100.00	103.00		ODC	103.00
2	Dump Truck	2.00	day	40.00	80.00	82.40		ODC	82.40
3	Backhoe	2.00	day	190.00	380.00	391.40	391.40	ODC	
4	Flat bed trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
5	TD-20 Dresser dozer	8.00	hour	100.00	800.00	824.00		ODC	824.00
6	3/4 ton truck	2.00	day	50.00	100.00	103.00		ODC	103.00
<b>SUBTOTAL</b>				<b>445.00</b>	<b>1,490.00</b>	<b>1,534.70</b>	<b>391.40</b>		<b>1,143.30</b>
<b>SURVEY</b>									
1	Elevations and cross slopes for road	1.00	day	360.00	360.00	370.80	370.80	DLC	
<b>SUBTOTAL</b>				<b>360.00</b>	<b>360.00</b>	<b>370.80</b>	<b>370.80</b>		<b>0.00</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	1.61	mile	400.00	644.00	663.32	663.32	OS	
<b>SUBTOTAL</b>				<b>644.00</b>	<b>644.00</b>	<b>663.32</b>	<b>663.32</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	0.00
2	NPDES	1.00	permit						
3	ADA	1.00	permit		0.00	0.00			
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Equipment Operation	8.00	hour	15.00	120.00	123.60	123.60	DLC	
2	Rebuild Corrals	192.00	hour	10.00	1,920.00	1,977.60		DLC	1,977.60
<b>SUBTOTAL</b>				<b>25.00</b>	<b>2,040.00</b>	<b>2,101.20</b>	<b>123.60</b>		<b>1,977.60</b>
<b>ACTIVITY SUBTOTAL</b>					<b>6,532.00</b>	<b>6,727.96</b>	<b>1,600.62</b>	<b>0.00</b>	<b>5,127.34</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>336.40</b>		<b>0.00</b>	<b>336.40</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>6,532.00</b>	<b>7,064.36</b>		<b>0.00</b>	<b>5,463.74</b>

Project #6: Sec. 5, 6, 31, T13S, R18E and Sec 30, 31, T12S, R18E

Field #1b

Description: Pressurized water line from Youtcy well to Piety Hill Saddle;  
above ground water line from saddle to new 1K trough Sec. 30.  
New 10K storage tank and 1K trough at saddle; well upgrade new motor and pump

Ranking : 1

AWPF COST CODES		\$	40,516.23
AC - Administration Costs		\$	1,929.34
DLC - Direct Labor Costs		\$	3,584.40
ODC - Other Direct Costs		\$	28,989.35
OS - Outside Services		\$	2,954.04
CO - Capital Outlay		\$	3,059.10

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	7,300' - 1 1/2" sch 40 PVC	7,300.00	ft.	0.36	2,628.00	2,706.84	2,706.84	ODC	
2	Aggregate Base Course (ABC)	6.00	cy	8.00	48.00	49.44	49.44	ODC	
3	RxR Ties	5.00	each	24.00	120.00	123.60	123.60	ODC	
4	5,500' - 1 1/2" - 200 psi PE	5,500.00	ft.	0.50	2,792.00	2,875.76	2,875.76	ODC	
5	10K tank	1.00	each	7,009.00	7,009.00	7,219.27	7,219.27	ODC	
6	1K troughs	2.00	each	1,000.00	2,000.00	2,060.00	2,060.00	ODC	
7	Miscellaneous fittings	1.00	each	200.00	200.00	206.00	206.00	ODC	
8	Control box and wire	1.00	each	300.00	300.00	309.00	309.00	ODC	
9	1 1/2 HP Pump and motor	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
10	Diesel generator 15KWV	1.00	each	10,000.00	10,000.00	10,300.00	10,300.00	ODC	
11	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
12	PVC Cement	1.00	gallon	48.00	48.00	49.44	49.44	ODC	
13	Seed	3.50	acre	50.00	175.00	180.25	180.25	ODC	
<b>SUBTOTAL</b>				<b>20,139.86</b>	<b>26,820.00</b>	<b>27,624.60</b>	<b>27,624.60</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	6.00	day	495.00	2,970.00	3,059.10	3,059.10	CO	
2	Dump Truck	3.00	day	40.00	120.00	123.60		ODC	123.60
3	Trailer	3.00	day	15.00	45.00	46.35		ODC	46.35
4	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
5	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
6	Grader	2.00	day	40.00	80.00	82.40	82.40	ODC	
7	Backhoe	2.00	day	190.00	380.00	391.40	391.40	ODC	
8	Well Rig	8.00	hour	200.00	1,600.00	1,648.00	1,648.00	OS	
9	Well Rig transportation	1.00	trip	300.00	300.00	309.00	309.00	OS	
<b>SUBTOTAL</b>				<b>1,380.00</b>	<b>5,945.00</b>	<b>6,123.35</b>	<b>5,489.90</b>		<b>633.45</b>
<b>SURVEY</b>									
1	GPS Elevations and staking water line	2.00	day	360.00	720.00	741.60		DLC	741.60
2	As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>			<b>1,112.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	2.42	mile	400.00	968.00	997.04	997.04	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>968.00</b>	<b>997.04</b>	<b>997.04</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
4	Pima County	1.00	permit	200.00	200.00	206.00	206.00	ODC	
<b>SUBTOTAL</b>				<b>250.00</b>	<b>250.00</b>	<b>257.50</b>	<b>257.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Pull well and upgrade (labor included above)				0.00	0.00	0.00	DLC	
2	Install both water lines	120.00	hour	10.00	1,200.00	1,236.00	1,236.00	DLC	
3	Set storage tank and troughs	16.00	hour	10.00	160.00	164.80	164.80	DLC	
4	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
5	Operate Equipment	64.00		15.00	960.00	988.80	988.80	DLC	
<b>SUBTOTAL</b>				<b>45.00</b>	<b>2,400.00</b>	<b>2,472.00</b>	<b>2,472.00</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>37,463.00</b>	<b>38,586.89</b>	<b>36,841.04</b>	<b>0.00</b>	<b>1,745.85</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>1,929.34</b>		<b>0.00</b>	<b>1,929.34</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>37,463.00</b>	<b>40,516.23</b>		<b>0.00</b>	<b>3,675.19</b>

Project #7: Sec. Line between Sec. 19 and 30, T12S, R18E  
 Field #1b  
 Description: Fence off access to Buehman Canyon Riparian area.  
 Partner with The Nature Conservancy or Bellota Preservation Corporation

AWPF COST CODES		
AC - Administration Costs	\$	353.29
DLC - Direct Labor Costs	\$	2,286.60
ODC - Other Direct Costs	\$	3,347.50
OS - Outside Services	\$	412.00
CO - Capital Outlay	\$	1,019.70
	\$	7,419.09

Ranking: 11

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	4,500' fence	4,500.00	ft.	0.38	1,710.00	1,761.30	1,761.30	ODC	
2	12' Gate	1.00	each	70.00	70.00	72.10	72.10	ODC	
3	Seed	2.00	acre	50.00	100.00	103.00	103.00	ODC	
4	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
					0.00	0.00			
<b>SUBTOTAL</b>				<b>620.38</b>	<b>2,380.00</b>	<b>2,451.40</b>	<b>2,451.40</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D7 Dozer	2.00	day	495.00	990.00	1,019.70	1,019.70	CO	
2	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
3	3/4 ton truck	2.00	day	50.00	100.00	103.00		ODC	103.00
4	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
5	Flat bed trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
6	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
7	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>900.00</b>	<b>1,810.00</b>	<b>1,864.30</b>	<b>1,215.40</b>		<b>648.90</b>
<b>SURVEY</b>									
1	Alignment and staking	2.00	day	360.00	720.00	741.60		DLC	741.60
2	GPS As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
					0.00	0.00			
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>	<b>0.00</b>		<b>1,112.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Site review by Desert Archeology	1.00	mile	400.00	400.00	412.00	412.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA (none required)	1.00	permit		0.00	0.00	0.00	ODC	
					0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Brushing with equipment operation	16.00	hour	15.00	240.00	247.20	247.20	DLC	
2	Fence construction	82.00	hour	10.00	820.00	844.60	844.60	DLC	
3	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>1,310.00</b>	<b>1,140.00</b>	<b>1,174.20</b>	<b>1,174.20</b>		<b>0.00</b>
	<b>ACTIVITY SUBTOTAL</b>				<b>6,860.00</b>	<b>7,065.80</b>	<b>5,304.50</b>	<b>0.00</b>	<b>1,761.30</b>
	<b>ADMINISTRATIVE COST (5%)</b>					<b>353.29</b>		<b>0.00</b>	<b>353.29</b>
	<b>TOTAL FOR THIS ACTIVITY</b>				<b>6,860.00</b>	<b>7,419.09</b>		<b>0.00</b>	<b>2,114.59</b>



Project #8: Sec. 28 and 21, T12S, R18E

Field #2

Description: Add 10K storage tank at junction #4;  
replace 6,800 ft of water line from #4 to #3 concrete storage tank

AWPF COST CODES	
AC - Administration Costs	\$ 783.83
DLC - Direct Labor Costs	\$ 2,101.20
ODC - Other Direct Costs	\$ 11,510.25
OS - Outside Services	\$ 535.60
CO - Capital Outlay	\$ 1,529.55
	\$ 16,460.43

Ranking: 14

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	10K Storage tank	1.00	each	7,009.00	7,009.00	7,219.27	7,219.27	ODC	
2	6,800' - 1 1/2" sch 40 PVC	6,800.00	ft	0.36	2,448.00	2,521.44	2,521.44	ODC	
3	Miscellaneous fittings, valves and floats	1.00	each	200.00	200.00	206.00	206.00	ODC	
4	Seed	3.00	acre	50.00	150.00	154.50	154.50	ODC	
5	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
6	PVC Cement	1.00	gallon	48.00	48.00	49.44	49.44	ODC	
<b>SUBTOTAL</b>				<b>7,807.36</b>	<b>10,355.00</b>	<b>10,665.65</b>	<b>10,665.65</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D7 Dozer	3.00	day	495.00	1,485.00	1,529.55	1,529.55	CO	
2	John Deer tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
3	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
4	Flat trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
5	3/4 ton truck	2.00	day	50.00	100.00	103.00		ODC	103.00
6	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
<b>SUBTOTAL</b>				<b>850.00</b>	<b>2,255.00</b>	<b>2,322.65</b>	<b>1,725.25</b>		<b>597.40</b>
<b>SURVEY</b>									
1	GPS Elevations and staking	2.00	day	360.00	720.00	741.60		DLC	741.60
2	As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>	<b>0.00</b>		<b>1,112.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Previously disturbed - review by Desert Archeology	1.30	mile	400.00	520.00	535.60	535.60	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>520.00</b>	<b>535.60</b>	<b>535.60</b>		
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		
<b>LABOR</b>									
1	Install water lines and plumbing	32.00	hour	10.00	320.00	329.60	329.60	DLC	
2	Set 10K storage tank and plumbing	8.00	hour	10.00	80.00	82.40	82.40	DLC	
3	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
4	Brushing - equipment operation	32.00	hour	15.00	480.00	494.40	494.40	DLC	
<b>SUBTOTAL</b>				<b>45.00</b>	<b>960.00</b>	<b>988.80</b>	<b>988.80</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>15,220.00</b>	<b>15,676.60</b>	<b>13,966.80</b>		<b>1,709.80</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>783.83</b>		<b>0.00</b>	<b>783.83</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>15,220.00</b>	<b>16,460.43</b>		<b>0.00</b>	<b>2,493.63</b>

Project #9: Sec. 22 and 23, T12S, R18E  
 Field #3  
 Description: Replace 7,600 ft of water line from #4 to #2 concrete storage tank.

AWPF COST CODES	
AC - Administration Costs	\$ 487.40
DLC - Direct Labor Costs	\$ 2,101.20
ODC - Other Direct Costs	\$ 5,540.37
OS - Outside Services	\$ 576.80
CO - Capital Outlay	\$ 1,529.55
	\$ 10,235.32

Ranking: 16

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	7,600' 1 1/2" sch 40 PVC	7,600.00	ft	0.36	2,736.00	2,818.08	2,818.08	ODC	
2	Miscellaneous fittings, valves and float	1.00	each	200.00	200.00	206.00	206.00	ODC	
3	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
4	PVC Cement	1.00	gallon	48.00	48.00	49.44	49.44	ODC	
5	Trough	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
6	Seed	3.50	acre	50.00	175.00	180.25	180.25	ODC	
<b>SUBTOTAL</b>				<b>1,798.36</b>	<b>4,659.00</b>	<b>4,798.77</b>	<b>4,798.77</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	3.00	day	495.00	1,485.00	1,529.55	1,529.55	CO	
2	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
3	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
4	Flat trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
5	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>800.00</b>	<b>2,155.00</b>	<b>2,219.65</b>	<b>1,725.25</b>		<b>494.40</b>
<b>SURVEY</b>									
1	GPS Elevation and staking	2.00	day	360.00	720.00	741.60		DLC	741.60
3	As-built GIS	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>	<b>0.00</b>		<b>1,112.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Previously disturbed - review by Desert Archeology	1.40	mile	400.00	560.00	576.80	576.80	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>560.00</b>	<b>576.80</b>	<b>576.80</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	0.00
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Install water line and plumbing	40.00	hour	10.00	400.00	412.00	412.00	DLC	
2	Brushing and equipment operation	32.00	hour	15.00	480.00	494.40	494.40	DLC	
3	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>35.00</b>	<b>960.00</b>	<b>988.80</b>	<b>988.80</b>		<b>0.00</b>
	<b>ACTIVITY SUBTOTAL</b>				<b>9,464.00</b>	<b>9,747.92</b>	<b>8,141.12</b>	<b>0.00</b>	<b>1,606.80</b>
	<b>ADMINISTRATIVE COST (5%)</b>					<b>487.40</b>		<b>0.00</b>	<b>487.40</b>
	<b>TOTAL FOR THIS ACTIVITY</b>				<b>9,464.00</b>	<b>10,235.32</b>			<b>2,094.20</b>

Project #10: Sec. 1, T13S, R18E

Field #5

Description: Add 1 1/2 HP submersible pump and motor to windmill well.  
Fence off two acres @ dirt tank for wildlife use only.

AWPF COST CODES	
AC - Administration Costs	\$ 314.86
DLC - Direct Labor Costs	\$ 659.20
ODC - Other Direct Costs	\$ 3,268.99
OS - Outside Services	\$ 2,369.00
CO - Capital Outlay	\$ 6,612.05

Ranking: 7

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	Fence	1,181.00	ft.	0.38	448.78	462.24	462.24	ODC	
2	12' Gate	1.00	each	70.00	70.00	72.10	72.10	ODC	
3	Miscellaneous plumbing	1.00	each	200.00	200.00	206.00	206.00	ODC	
4	Seed	1.00	acre	50.00	50.00	51.50	51.50	ODC	
5	Control Box and Wire	1.00	each	200.00	200.00	206.00	206.00	ODC	
6	1 1/2 HP pump and motor with drop pipe	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
7	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
<b>SUBTOTAL</b>				<b>2,020.38</b>	<b>2,468.78</b>	<b>2,542.84</b>	<b>2,542.84</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
2	3/4 ton truck	1.00	day	50.00	50.00	51.50		ODC	51.50
3	Flat trailer	1.00	day	15.00	15.00	15.45		ODC	15.45
4	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
5	Well Rig	8.00	hour	200.00	1,600.00	1,648.00	1,648.00	OS	
6	Well Rig transportation	1.00	trip	300.00	300.00	309.00	309.00	OS	
7	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>855.00</b>	<b>2,605.00</b>	<b>2,683.15</b>	<b>2,152.70</b>		<b>530.45</b>
<b>SURVEY</b>									
1	Fence layout and staking	1.00	day	360.00	360.00	370.80		DLC	370.80
2	GIS As-builts		day		0.00	0.00		DLC	0.00
<b>SUBTOTAL</b>				<b>360.00</b>	<b>360.00</b>	<b>370.80</b>	<b>0.00</b>		<b>370.80</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Previously disturbed - review by Desert Archeology	1.00	mile	400.00	400.00	412.00	412.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		
<b>PERMITS</b>									
1	Private Property	1.00	permit		0.00	0.00	0.00	ODC	
2	ADA	1.00	permit		0.00	0.00	0.00	ODC	
3	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>LABOR</b>									
1	Pull and install well pump (labor included above)				0.00	0.00	0.00		
2	Brushing	8.00	hour	10.00	80.00	82.40	82.40	DLC	
3	Build fence	16.00	hour	10.00	160.00	164.80	164.80	DLC	
4	Plumbing to pond	4.00	hour	10.00	40.00	41.20	41.20	DLC	
<b>SUBTOTAL</b>				<b>30.00</b>	<b>280.00</b>	<b>288.40</b>	<b>288.40</b>		
<b>ACTIVITY SUBTOTAL</b>					<b>6,113.78</b>	<b>6,297.19</b>	<b>5,395.94</b>	<b>0.00</b>	<b>901.25</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>314.86</b>		<b>0.00</b>	<b>314.86</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>6,113.78</b>	<b>6,612.05</b>		<b>0.00</b>	<b>1,216.11</b>



Project #11: Sec. 4, T13S, R18E

Field #9

Description: Purchase 5HP submersible pump with jacket for Youtcy spring.  
Fence off spring +/- 1,320 ft.

AWPF COST CODES	
AC - Administration Costs	\$ 305.49
DLC - Direct Labor Costs	\$ 782.80
ODC - Other Direct Costs	\$ 4,914.95
OS - Outside Services	\$ 412.00
CO - Capital Outlay	\$ 6,415.24

Ranking: 10

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	Fence	1,360.00	ft.	0.38	516.80	532.30	532.30	ODC	
2	5 HP pump and motor with jacket	1.00	each	3,000.00	3,000.00	3,090.00	3,090.00	ODC	
3	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
					0.00	0.00	0.00		
<b>SUBTOTAL</b>				<b>3,500.38</b>	<b>4,016.80</b>	<b>4,137.30</b>	<b>4,137.30</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	3/4 ton truck	1.00	day	50.00	50.00	51.50		ODC	51.50
2	Trailer	1.00	day	15.00	15.00	15.45		ODC	15.45
3	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
4	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
5	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>355.00</b>	<b>705.00</b>	<b>726.15</b>	<b>195.70</b>		<b>530.45</b>
<b>SURVEY</b>									
1	GPS As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
2	GIS				0.00	0.00		DLC	0.00
<b>SUBTOTAL</b>				<b>360.00</b>	<b>360.00</b>	<b>370.80</b>	<b>0.00</b>		<b>370.80</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	1.00	mile	400.00	400.00	412.00	412.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit				0.00	ODC	
3	ADA	1.00	permit				0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Install Fence	32.00	hour	10.00	320.00	329.60	329.60	DLC	
2	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>20.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>5,931.80</b>	<b>6,109.75</b>	<b>5,208.50</b>	<b>0.00</b>	<b>901.25</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>305.49</b>		<b>0.00</b>	<b>305.49</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>5,931.80</b>	<b>6,415.24</b>		<b>0.00</b>	<b>1,206.74</b>

Project #12: Sec. 15 and 10, 13S, 18E

Field #7

Description: Drill out Prospect well cave-in, set pump and motor.  
400' - 1 1/2" PVC, above ground water line 8,200' PE, 3K storage tank and 1K trough.

Ranking: 4

AWPF COST CODES		\$	23,305.24
AC - Administration Costs		\$	1,109.77
DLC - Direct Labor Costs		\$	2,966.40
ODC - Other Direct Costs		\$	11,998.47
OS - Outside Services		\$	7,230.60
CO - Capital Outlay			

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
1	6" well drilling with casing	200.00	ft	30.00	6,000.00	6,180.00	6,180.00	OS	
2	1 1/2 HP Pump and motor, control	1.00	each	1,500.00	1,500.00	1,545.00	1,545.00	ODC	
3	400' 1 1/2" sch 40 PVC	400.00	ft	0.36	144.00	148.32	148.32	ODC	
4	8,200' - 200 psi PE	8,200.00	ft	0.50	4,100.00	4,223.00	4,223.00	ODC	
5	3K Storage	1.00	each	2,724.00	2,724.00	2,805.72	2,805.72	ODC	
6	Seed	0.30	acre	50.00	15.00	15.45	15.45	ODC	
7	1K Through	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
8	Aggregate Base Course (ABC)	3.00	cy	8.00	24.00	24.72	24.72	ODC	
9	RxR Ties	16.00	each	5.00	80.00	82.40	82.40	ODC	
10	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
11	PVC Cement	0.25	gallon	48.00	12.00	12.36	12.36	ODC	
12	Miscellaneous plumbing, valves and float.	1.00	each	200.00	200.00	206.00	206.00	ODC	
<b>SUBTOTAL</b>				<b>6,065.86</b>	<b>16,299.00</b>	<b>16,787.97</b>	<b>16,787.97</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Well Rig - set pump and motor	1.00	hour	200.00	200.00	206.00	206.00	OS	
2	D7 Dozer	1.00	day	495.00	495.00	509.85	509.85	ODC	
3	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
4	3/4 ton truck	1.00	day	50.00	50.00	51.50	51.50	ODC	51.50
5	John Deere tractor	8.00	hour	50.00	400.00	412.00	412.00	ODC	412.00
6	Well Rig transportation	1.00	trip	300.00	300.00	309.00	309.00	OS	
7	Trailer	1.00	day	15.00	15.00	15.45	15.45	ODC	15.45
8	Imprinter	1.00	day	50.00	50.00	51.50	51.50	ODC	51.50
<b>SUBTOTAL</b>				<b>1,350.00</b>	<b>1,700.00</b>	<b>1,751.00</b>	<b>1,220.55</b>		<b>530.45</b>
<b>SURVEY</b>									
1	GPS/GIS As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
2	Staking water line	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>720.00</b>	<b>741.60</b>	<b>0.00</b>		<b>741.60</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Previously disturbed - review by Desert Archeology	1.30	mile	400.00	520.00	535.60	535.60	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>520.00</b>	<b>535.60</b>	<b>535.60</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	DWR well permit	1.00	permit	100.00	100.00	103.00	103.00	ODC	
3	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
4	ADA	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>150.00</b>	<b>150.00</b>	<b>154.50</b>	<b>154.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Drill well (labor included above)								
2	Set pump and motor (labor included above)				0.00	0.00	0.00	DLC	
3	Install below and above ground water line	192.00	hour	10.00	1,920.00	1,977.60	1,977.60	DLC	
4	Set trough and tank	16.00	hour	10.00	160.00	164.80	164.80	DLC	
5	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>30.00</b>	<b>2,160.00</b>	<b>2,224.80</b>	<b>2,224.80</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>21,549.00</b>	<b>22,195.47</b>	<b>20,923.42</b>		<b>1,272.05</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>1,109.77</b>		<b>0.00</b>	<b>1,109.77</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>21,549.00</b>	<b>23,305.24</b>		<b>0.00</b>	<b>2,381.82</b>

Project #13: Sec. 2, T13S, R18E

Field #8

Description: Replace 2,200' water line well to Bar LY from well # 613547  
Remove and replace 4 concrete troughs at Whitehouse corrals.

AWPF COST CODES	
AC - Administration Costs	\$ 350.46
DLC - Direct Labor Costs	\$ 1,648.00
ODC - Other Direct Costs	\$ 4,949.15
OS - Outside Services	\$ 412.00
CO - Capital Outlay	\$ 7,359.61

Ranking: 18

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	400 Gallon troughs	4.00	each	400.00	1,600.00	1,648.00	1,648.00	ODC	
2	Miscellaneous plumbing, valves and floats	4.00	each	100.00	400.00	412.00	412.00	ODC	
3	2,200' - 1 1/2" PVC pipe	2,200.00	ft.	0.36	792.00	815.76	815.76	ODC	
4	Seed	1.00	acre	50.00	50.00	51.50	51.50	ODC	
5	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
6	PVC Cement	1.00	gallon	48.00	48.00	49.44	49.44	ODC	
<b>SUBTOTAL</b>				<b>1,098.36</b>	<b>3,390.00</b>	<b>3,491.70</b>	<b>3,491.70</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	1.00	day	495.00	495.00	509.85	509.85	ODC	
2	Blade	1.00	day	355.00	355.00	365.65	365.65	ODC	
3	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
4	3/4 ton truck	1.00	day	50.00	50.00	51.50		ODC	51.50
5	Trailer	1.00	day	15.00	15.00	15.45		ODC	15.45
6	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>1,015.00</b>	<b>1,365.00</b>	<b>1,405.95</b>	<b>875.50</b>		<b>530.45</b>
<b>SURVEY</b>									
1	GPS/GIS As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
2	Water line staking	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>720.00</b>	<b>741.60</b>	<b>0.00</b>		<b>741.60</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Previously disturbed - review by Desert Archeology	1.00	mile	400.00	400.00	412.00	412.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	Private Land	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Remove concrete troughs, install new troughs and plumbing	32.00	hour	10.00	320.00	329.60	329.60	DLC	
2	Install water line	48.00	hour	10.00	480.00	494.40	494.40	DLC	
3	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>30.00</b>	<b>880.00</b>	<b>906.40</b>	<b>906.40</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>6,805.00</b>	<b>7,009.15</b>	<b>5,737.10</b>		<b>1,272.05</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>350.46</b>		<b>0.00</b>	<b>350.46</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>6,805.00</b>	<b>7,359.61</b>		<b>0.00</b>	<b>1,622.51</b>

Project #14: Sec. 5 and 6, T13S, R19E

Field #9

Description: Wildlife Habitat Improvement Program (WHIP) (Federally Funded)  
 7,400' water line from Hughes well to 3ac enclosure with fence to wildlife pond with liner, (2) brush piles, 10K storage, 1K trough outside enclosure

**AWPF COST CODES**

AC - Administration Costs  
 DLC - Direct Labor Costs  
 ODC - Other Direct Costs  
 OS - Outside Services  
 CO - Capital Outlay

Ranking: Not Ranked

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	MATCH
<b>MATERIALS</b>							
1	7,400' 1 1/2" PVC	7,400.00	ft.	0.36	2,664.00	2,743.92	
2	10K Storage tank	1.00	each	7,009.00	7,009.00	7,219.27	
3	1K Trough	1.00	each	1,000.00	1,000.00	1,030.00	
4	Aggregate Base Course (ABC)	3.00	cy	8.00	24.00	24.72	
5	RxR Ties	16.00	each	5.00	80.00	82.40	
6	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	
7	PVC Cement	1.00	gallon	48.00	48.00	49.44	
<b>SUBTOTAL</b>				<b>8,570.36</b>	<b>11,325.00</b>	<b>11,664.75</b>	<b>0.00</b>
<b>EQUIPMENT</b>							
1	D-7 dozer	4.00	day	495.00	1,980.00	2,039.40	
2	Grader	1.00	day	40.00	40.00	41.20	
3	Backhoe	2.00	day	190.00	380.00	391.40	
4	3/4 ton truck	2.00	day	50.00	100.00	103.00	
5	Flat trailer	2.00	day	15.00	30.00	30.90	
6	John Deere tractor	8.00	hour	50.00	400.00	412.00	
7	Imprinter	1.00	day	50.00	50.00	51.50	
<b>SUBTOTAL</b>				<b>890.00</b>	<b>2,980.00</b>	<b>3,069.40</b>	<b>0.00</b>
<b>SURVEY</b>							
1	Layout and staking	2.00	day	360.00	720.00	741.60	
2	GPS/GIS As-builts	1.00	day	360.00	360.00	370.80	
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>	
<b>ARCHEOLOGICAL REVIEW</b>							
<b>SUBTOTAL</b>	Cultural review by Desert Archeology	1.40	mile	400.00	560.00	576.80	0.00
				<b>400.00</b>	<b>560.00</b>	<b>576.80</b>	
<b>PERMITS</b>							
1	State	1.00	permit	50.00	50.00	51.50	
2	NPDES	1.00	permit		0.00	0.00	
3	ADA	1.00	permit		0.00	0.00	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>0.00</b>
<b>LABOR</b>							
1	Build Fence	72.00	hour	10.00	720.00	741.60	
2	Install water line and plumbing	72.00	hour	10.00	720.00	741.60	
3	Set 10K tank and trough	8.00	hour	10.00	80.00	82.40	
<b>SUBTOTAL</b>				<b>30.00</b>	<b>1,520.00</b>	<b>1,565.60</b>	<b>0.00</b>
	<b>ACTIVITY SUBTOTAL</b>				<b>16,435.00</b>	<b>16,928.05</b>	<b>0.00</b>
	<b>ADMINISTRATIVE COST (5%)</b>					<b>846.40</b>	<b>846.40</b>
	<b>TOTAL FOR THIS ACTIVITY</b>				<b>16,435.00</b>	<b>17,774.45</b>	<b>846.40</b>



Project #15: Sec. 5, T13S, R19E. Sec. 18, T13S, R19E. Sec. 13, T13S, R18E.  
 Field #9  
 Description: Extend water line 3,800' from trough in Sec 18, T13S, R19E  
 to 3 way fence corner in Sec. 13, T13S, R18E and set a 1K trough  
 Upgrade pump @ Hughes well Sec. 5  
 Ranking: 3

AWPF COST CODES	
AC - Administration Costs	\$ 491.88
DLC - Direct Labor Costs	\$ 2,142.40
ODC - Other Direct Costs	\$ 5,032.58
OS - Outside Services	\$ 1,133.00
CO - Capital Outlay	\$ 1,529.55
	\$ 10,329.41

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	3,800' 1 1/2" sch 40 PVC	3,800.00	ft	0.36	1,368.00	1,409.04	1,409.04	ODC	
2	1K troughs	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
3	Aggregate Base Course (ABC)	3.00	cy	8.00	24.00	24.72	24.72	ODC	
4	RxR Ties	8.00	each	5.00	40.00	41.20	41.20	ODC	
5	Miscellaneous plumbing, valves and float	1.00	each	200.00	200.00	206.00	206.00	ODC	
6	1 1/2 HP motor pump and controls	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
7	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
8	PVC Cement	0.50	gallon	48.00	24.00	24.72	24.72	ODC	
9	Seed	2.00	acre	50.00	100.00	103.00	103.00	ODC	
<b>SUBTOTAL</b>				<b>2,811.36</b>	<b>4,256.00</b>	<b>4,383.68</b>	<b>4,383.68</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Well Rig	2.00	hour	200.00	400.00	412.00	412.00	OS	
2	D-7 dozer	3.00	day	495.00	1,485.00	1,529.55	1,529.55	CO	
3	3/4 ton truck	2.00	day	50.00	100.00	103.00		ODC	103.00
4	Flat trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
5	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
6	Well Rig transportation	1.00	trip	300.00	300.00	309.00	309.00	OS	
7	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>1,160.00</b>	<b>2,765.00</b>	<b>2,847.95</b>	<b>2,250.55</b>		<b>597.40</b>
<b>SURVEY</b>									
1	GPS/GIS As-builts	2.00	day	360.00	720.00	741.60		DLC	741.60
2	Staking water line	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>1,080.00</b>	<b>1,112.40</b>	<b>0.00</b>		<b>1,112.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	1.00	mile	400.00	400.00	412.00	412.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Dozer Operation	24.00	hour	15.00	360.00	370.80	370.80	DLC	
2	Pull and replace well pump and motor (labor included)						0.00		
3	Brush and install water line	48.00	hour	10.00	480.00	494.40	494.40	DLC	
4	Set and plumb trough	8.00	hour	10.00	80.00	82.40	82.40	DLC	
5	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>45.00</b>	<b>1,000.00</b>	<b>1,030.00</b>	<b>1,030.00</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>9,551.00</b>	<b>9,837.53</b>	<b>8,127.73</b>	<b>0.00</b>	<b>1,709.80</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>491.88</b>		<b>0.00</b>	<b>491.88</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>9,551.00</b>	<b>10,329.41</b>		<b>0.00</b>	<b>2,201.68</b>

Project #16: Sec. 21, 16, 17, 8 and 4 - T1S, R18E

Field #11, 14, 15 and 16

Description: Set up a 2HP submersible in Big Tank, run buried water line to Upper Tank and set a 1K trough and backflow valve, continue line to Sec.8 and set a 10K tank with a 1K trough; from here go above ground with PE to Sec. 7/4 and set a 1K trough on fence line between pastures. Clean out seep tank well, set pump and motor.

**AWPF COST CODES**

AC - Administration Costs	\$	1,749.66
DLC - Direct Labor Costs	\$	4,429.00
ODC - Other Direct Costs	\$	22,154.27
OS - Outside Services	\$	4,841.00
CO - Capital Outlay	\$	3,568.95
	\$	36,742.88

Ranking: 2

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	10K tank	1.00	each	7,009.00	7,009.00	7,219.27	7,219.27	ODC	
2	1K Troughs	3.00	each	1,000.00	3,000.00	3,090.00	3,090.00	ODC	
3	Aggregate Base Course (ABC)	9.00	cy	8.00	72.00	74.16	74.16	ODC	
4	RxR Ties	32.00	each	5.00	160.00	164.80	164.80	ODC	
5	Control Box	1.00	each	200.00	200.00	206.00	206.00	ODC	
6	10,600' - 1 1/2" sch 40 PVC	10,600.00	ft	0.36	3,816.00	3,930.48	3,930.48	ODC	
7	5,000' - 200 psi PE	5,000.00	ft	0.50	2,500.00	2,575.00	2,575.00	ODC	
8	2 HP Pump and motor with sheath	1.00	each	2,000.00	2,000.00	2,060.00	2,060.00	ODC	
9	20' Galvanized pipe with riser	1.00	each	30.00	30.00	30.90	30.90	ODC	
10	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
11	PVC Cement	1.50	gallon	48.00	72.00	74.16	74.16	ODC	
12	Seed	5.00	acre	50.00	250.00	257.50	257.50	ODC	
<b>SUBTOTAL</b>				<b>10,850.86</b>	<b>19,609.00</b>	<b>20,197.27</b>	<b>20,197.27</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	7.00	day	495.00	3,465.00	3,568.95	3,568.95	CO	
2	Blade	2.00	day	355.00	710.00	731.30	731.30	ODC	
3	Backhoe	2.00	day	190.00	380.00	391.40	391.40	ODC	
4	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
5	3/4 ton truck	5.00	day	50.00	250.00	257.50		ODC	257.50
6	Flat trailer	4.00	day	15.00	60.00	61.80		ODC	61.80
7	Well rig	16.00	hour	200.00	3,200.00	3,296.00	3,296.00	OS	
8	Well rig transportation	1.00	trip	300.00	300.00	309.00	309.00	OS	
9	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>1,705.00</b>	<b>8,815.00</b>	<b>9,079.45</b>	<b>8,296.65</b>		<b>782.80</b>
<b>SURVEY</b>									
1	GPS/GIS As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
2	Water line staking	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>720.00</b>	<b>741.60</b>			<b>741.60</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Desert Archeology some along existing road	3.00	mile	400.00	1,200.00	1,236.00	1,236.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>1,200.00</b>	<b>1,236.00</b>	<b>1,236.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit				0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
4	Private	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Install water line underground	50.00	hour	10.00	500.00	515.00	515.00	DLC	
2	Install water line above ground	120.00	hour	10.00	1,200.00	1,236.00	1,236.00	DLC	
3	Set 10K tank and 3 troughs	32.00	hour	10.00	320.00	329.60	329.60	DLC	
4	Reseeding	24.00	hour	10.00	240.00	247.20	247.20	DLC	
5	Equipment Operation	88.00	hour	15.00	1,320.00	1,359.60	1,359.60	DLC	
<b>SUBTOTAL</b>				<b>55.00</b>	<b>3,580.00</b>	<b>3,687.40</b>	<b>3,687.40</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>33,974.00</b>	<b>34,993.22</b>	<b>33,468.82</b>	<b>0.00</b>	<b>1,524.40</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>1,749.66</b>		<b>0.00</b>	<b>1,749.66</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>33,974.00</b>	<b>36,742.88</b>		<b>0.00</b>	<b>3,274.06</b>

Project #17: Sec. 8, 21 and 30 - T13S, R19E

Field #12

Description: Replace +/- 1,500 ft. 1 1/2" PVC pipe in Sec. 21  
Set a trough in Sec. 8; set 1 1/2HP submersible in Roble  
West windmill Sec. 30, fish out drop pipe in well casing.

Ranking: 9

**AWPF COST CODES**

AC - Administration Costs	\$	530.45
DLC - Direct Labor Costs	\$	1,133.00
ODC - Other Direct Costs	\$	4,439.30
OS - Outside Services	\$	4,017.00
CO - Capital Outlay	\$	1,019.70
	\$	11,139.45

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	1,500' - 1 1/2" sch 40 PVC	1,500.00	ft	0.26	390.00	401.70	401.70	ODC	
2	1K Troughs	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
3	Aggregate Base Course (ABC)	3.00	cy	8.00	24.00	24.72	24.72	ODC	
4	RxR Ties	8.00	each	5.00	40.00	41.20	41.20	ODC	
5	1 1/2 HP Pump, motor, controls and wire	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
6	200' Galvanized 1 1/2" drop pipe	200.00	ft.	1.37	274.00	282.22	282.22	ODC	
7	Back flow valve -Miscellaneous fittings, valve and float	1.00	each	200.00	200.00	206.00	206.00	ODC	
8	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
9	PVC Cement	0.25	gallon	48.00	12.00	12.36	12.36	ODC	
10	Seed	1.00	acre	50.00	50.00	51.50	51.50	ODC	
<b>SUBTOTAL</b>				<b>2,812.63</b>	<b>3,490.00</b>	<b>3,594.70</b>	<b>3,594.70</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Well Rig	16.00	hour	200.00	3,200.00	3,296.00	3,296.00	OS	
2	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
3	D-7 dozer	2.00	day	495.00	990.00	1,019.70	1,019.70	CO	
4	3/4 ton truck	2.00	day	50.00	100.00	103.00		ODC	103.00
5	Flat bed trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
6	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
7	Well Rig transportation	1.00	trip	300.00	300.00	309.00	309.00	OS	
8	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>1,350.00</b>	<b>5,260.00</b>	<b>5,417.80</b>	<b>4,820.40</b>		<b>597.40</b>
<b>SURVEY</b>									
1	GPS/GIS As-builts	0.50	day	360.00	180.00	185.40		DLC	185.40
<b>SUBTOTAL</b>				<b>360.00</b>	<b>180.00</b>	<b>185.40</b>	<b>0.00</b>		<b>185.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	1.00	mile	400.00	400.00	412.00	412.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Repair and install pipeline	32.00	hour	10.00	320.00	329.60	329.60		
2	Set 1K trough	8.00	hour	10.00	80.00	82.40	82.40	DLC	
3	Pull and set well pump motor and controls (labor included)				0.00	0.00	0.00		
4	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
5	Equipment Operation	24.00	hour	15.00	360.00	370.80	370.80	DLC	
6	Replumb 3K tank	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>55.00</b>	<b>920.00</b>	<b>947.60</b>	<b>947.60</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>10,300.00</b>	<b>10,609.00</b>	<b>9,826.20</b>	<b>0.00</b>	<b>782.80</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>530.45</b>		<b>0.00</b>	<b>530.45</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>10,300.00</b>	<b>11,139.45</b>		<b>0.00</b>	<b>1,313.25</b>

Project #18: Sec. 18, 21, 28 and 30, T13S, R19E

Field #12

Description: Cross fence pasture from concrete tank in Sec. 21 to concrete tank in Sec. 18. Partner on boundary with The Nature Conservancy/BLM in Sec. 28 fence at Hollow Tee. Fence out Roble Spring on BLM allotment

Ranking: 8

**AWPF COST CODES**

AC - Administration Costs	\$	1,492.32
DLC - Direct Labor Costs	\$	10,959.20
ODC - Other Direct Costs	\$	12,140.61
OS - Outside Services	\$	1,648.00
CO - Capital Outlay	\$	5,098.50
	\$	31,338.63

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	21,150' Fence	21,150.00	ft.	0.38	8,037.00	8,278.11	8,278.11	ODC	
2	12' Gates	3.00	each	70.00	210.00	216.30	216.30	ODC	
3	Seed	10.00	acre	50.00	500.00	515.00	515.00	ODC	
4	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
					0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>620.38</b>	<b>9,247.00</b>	<b>9,524.41</b>	<b>9,524.41</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	D-7 dozer	10.00	day	495.00	4,950.00	5,098.50	5,098.50	CO	
2	Backhoe	2.00	day	190.00	380.00	391.40	391.40	ODC	
3	Flat bed trailer	4.00	day	15.00	60.00	61.80		ODC	61.80
4	John Deere tractor	32.00	hour	50.00	1,600.00	1,648.00		ODC	1,648.00
5	Imprinter	4.00	day	50.00	200.00	206.00		ODC	206.00
6	3/4 ton truck	5.00	day	50.00	250.00	257.50		ODC	257.50
<b>SUBTOTAL</b>				<b>850.00</b>	<b>7,440.00</b>	<b>7,663.20</b>	<b>5,489.90</b>		<b>2,173.30</b>
<b>SURVEY</b>									
1	Fence staking	6.00	day	360.00	2,160.00	2,224.80		DLC	2,224.80
2	GPS/GIS As-builts	2.00	day	360.00	720.00	741.60		DLC	741.60
					0.00	0.00		DLC	
<b>SUBTOTAL</b>				<b>720.00</b>	<b>2,880.00</b>	<b>2,966.40</b>	<b>0.00</b>		<b>2,966.40</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	4.00	mile	400.00	1,600.00	1,648.00	1,648.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>1,600.00</b>	<b>1,648.00</b>	<b>1,648.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
4	BLM EIS	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Install fence and gates	600.00	hour	10.00	6,000.00	6,180.00	6,180.00	DLC	
2	Reseeding	32.00	hour	10.00	320.00	329.60	329.60	DLC	
3	Operate Equipment	96.00	hour	15.00	1,440.00	1,483.20	1,483.20	DLC	
<b>SUBTOTAL</b>				<b>35.00</b>	<b>7,760.00</b>	<b>7,992.80</b>	<b>7,992.80</b>		<b>0.00</b>
	<b>ACTIVITY SUBTOTAL</b>				<b>28,977.00</b>	<b>29,846.31</b>	<b>24,706.61</b>		<b>2,966.40</b>
	<b>ADMINISTRATIVE COST (5%)</b>					<b>1,492.32</b>		<b>0.00</b>	<b>1,492.32</b>
	<b>TOTAL FOR THIS ACTIVITY</b>				<b>28,977.00</b>	<b>31,338.63</b>		<b>0.00</b>	<b>4,458.72</b>



Project #19: Sec. 5, 6, 31 to Sec 30, T13S, R18E

Field #13

Description: Extend above ground water line from Sec. 25 to Sec. 23, the Saucito drill hole well to Ridge Wash Tank. 5,200' 1 1/2" PE, 1-3K tank, 1-1K trough. 3K tank @ corrals in Sec.24 has bottom leaks and needs repair.

Ranking: 5

**AWPF COST CODES**

AC - Administration Costs	\$	555.58
DLC - Direct Labor Costs	\$	1,926.10
ODC - Other Direct Costs	\$	8,773.54
OS - Outside Services	\$	412.00
CO - Capital Outlay	\$	11,667.22

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	5,200' - 200 psi PE with fittings	5,200.00	ft.	0.50	2,600.00	2,678.00	2,678.00	ODC	
2	Miscellaneous fittings, valves and float	1.00	each	200.00	200.00	206.00	206.00	ODC	
3	3K Tank	1.00	each	2,724.00	2,724.00	2,805.72	2,805.72	ODC	
4	1K Trough	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
5	Aggregate Base Course (ABC)	3.00	cy	8.00	24.00	24.72	24.72	ODC	
6	RxR Ties	16.00	each	5.00	80.00	82.40	82.40	ODC	
7	Cement	5.00	90lb/bag	10.00	50.00	51.50	51.50	ODC	
8	Asphalt	5.00	gallon	5.00	25.00	25.75	25.75	ODC	
9	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
<b>SUBTOTAL</b>				<b>4,452.50</b>	<b>7,203.00</b>	<b>7,419.09</b>	<b>7,419.09</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Backhoe	1.00	day	190.00	190.00	195.70	195.70	ODC	
2	3/4 ton truck	2.00	day	50.00	100.00	103.00		ODC	103.00
3	Flat bed trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
4	D-7 dozer	1.00	day	495.00	495.00	509.85	509.85	ODC	
5	John Deere tractor	8.00	hour	50.00	400.00	412.00		ODC	412.00
6	Imprinter	1.00	day	50.00	50.00	51.50		ODC	51.50
<b>SUBTOTAL</b>				<b>850.00</b>	<b>1,265.00</b>	<b>1,302.95</b>	<b>705.55</b>		<b>597.40</b>
<b>SURVEY</b>									
1	GPS/GIS As built	1.00	day	360.00	360.00	370.80		DLC	370.80
2	Survey water line	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>720.00</b>	<b>741.60</b>	<b>0.00</b>		<b>741.60</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural Review by Desert Archeology	1.00	mile	400.00	400.00	412.00	412.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>400.00</b>	<b>412.00</b>	<b>412.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
3	ADA	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Install water line and plumbing	75.00	hour	10.00	750.00	772.50	772.50	DLC	
2	Set through 1K, 3K and plumbing	8.00	hour	10.00	80.00	82.40	82.40	DLC	
3	Operate heavy equipment	16.00	hour	15.00	240.00	247.20	247.20	DLC	
4	Reseeding	8.00	hour	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>1,320.00</b>	<b>1,150.00</b>	<b>1,184.50</b>	<b>1,184.50</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>10,788.00</b>	<b>11,111.64</b>	<b>9,772.64</b>	<b>0.00</b>	<b>1,339.00</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>555.58</b>		<b>0.00</b>	<b>555.58</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>10,788.00</b>	<b>11,667.22</b>		<b>0.00</b>	<b>1,894.58</b>

Project #20: Sec. 27, 13S, 18S

Field #16

Description: Develop Spring in Sec. 27, T13S, R18S; extend water line above ground to Sec. 22, set 10K tank and 1K trough

AWPF COST CODES	\$	18,127.02
AC - Administration Costs	\$	863.19
DLC - Direct Labor Costs	\$	2,678.00
ODC - Other Direct Costs	\$	13,922.51
OS - Outside Services	\$	663.32
CO - Capital Outlay		

Ranking: 6

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	Aggregate Base Course (ABC)	6.00	cy	8.00	48.00	49.44	49.44	ODC	
2	Concrete	10.00	each	10.00	100.00	103.00	103.00	ODC	
3	Rebar	400.00	ft	0.25	100.00	103.00	103.00	ODC	
4	Liner	100.00	yd <sup>2</sup>	4.00	400.00	412.00	412.00	ODC	
5	Block	200.00	each	1.00	200.00	206.00	206.00	ODC	
6	Geotextile fabric	100.00	yd <sup>2</sup>	2.00	200.00	206.00	206.00	ODC	
7	Iron lid and iron grate for spring entrance	1.00	each	500.00	500.00	515.00	515.00	ODC	
8	Drain tile	1.00	each	20.00	20.00	20.60	20.60	ODC	
9	5,200' - 200 psi PE with coupling for PE	5,200.00	ft	0.50	2,600.00	2,678.00	2,678.00	ODC	
10	10 Tank	1.00	each	7,009.00	7,009.00	7,219.27	7,219.27	ODC	
11	1K Through	1.00	each	1,000.00	1,000.00	1,030.00	1,030.00	ODC	
12	Miscellaneous plumbing, valves and floats	1.00	each	200.00	200.00	206.00	206.00	ODC	
13	Straw bales and silt fencing	1.00	each	500.00	500.00	515.00	515.00	ODC	
14	RxR Ties	16.00	each	5.00	80.00	82.40	82.40	ODC	
<b>SUBTOTAL</b>				<b>9,259.75</b>	<b>12,957.00</b>	<b>13,345.71</b>	<b>13,345.71</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Backhoe	2.00	day	190.00	380.00	391.40	391.40	ODC	
2	3/4 ton truck	2.00	day	50.00	100.00	103.00		ODC	103.00
3	Flat Trailer	2.00	day	15.00	30.00	30.90		ODC	30.90
<b>SUBTOTAL</b>				<b>255.00</b>	<b>510.00</b>	<b>525.30</b>	<b>391.40</b>		<b>133.90</b>
<b>SURVEY</b>									
1	GPS Elevations/GIS As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
2	Survey water line	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>720.00</b>	<b>720.00</b>	<b>741.60</b>	<b>0.00</b>		<b>741.60</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	1.61	mile	400.00	644.00	663.32	663.32	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>644.00</b>	<b>663.32</b>	<b>663.32</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
2	ADA	1.00	permit		0.00	0.00	0.00	ODC	
3	NPDES	1.00	permit		0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Construct spring box with drain tile	50.00	hours	10.00	500.00	515.00	515.00	DLC	
2	Iron work for lid and grate	50.00	hours	10.00	500.00	515.00	515.00	DLC	
3	Install water line and plumbing	48.00	hours	10.00	480.00	494.40	494.40	DLC	
4	Set 10K tank and plumbing	8.00	hours	10.00	80.00	82.40	82.40	DLC	
5	Operate heavy equipment	16.00	hours	15.00	240.00	247.20	247.20	DLC	
6	Set 1K through and plumbing	8.00	hours	10.00	80.00	82.40	82.40	DLC	
<b>SUBTOTAL</b>				<b>65.00</b>	<b>1,880.00</b>	<b>1,936.40</b>	<b>1,936.40</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>16,761.00</b>	<b>17,263.83</b>	<b>16,388.33</b>		<b>875.50</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>863.19</b>		<b>0.00</b>	<b>863.19</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>16,761.00</b>	<b>18,127.02</b>		<b>0.00</b>	<b>1,738.69</b>

Project #21a, 21b, 21c, 21d, 21e, 21f:

Field #

Description: Monitoring, trend analysis, riparian stream gauge monitoring,  
precipitation rain gauge monitoring, sediment R.O. monitoring at Dirt Tanks,

AWPF COST CODES	\$	24,163.95
AC - Administration Costs	\$	1,150.66
DLC - Direct Labor Costs	\$	18,754.24
ODC - Other Direct Costs	\$	3,435.05
OS - Outside Services	\$	824.00
CO - Capital Outlay		

Ranking:

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	Rain gauges	9.00	each	10.00	90.00	92.70	92.70	ODC	
2	U - channel galvanized posts	9.00	each	5.00	45.00	46.35	46.35	ODC	
3	Stream gauges	9.00	each	100.00	900.00	927.00	927.00	ODC	
4	U-channels galvanized	6.00	each	5.00	30.00	30.90	30.90	ODC	
5	Pre-mix concrete	40.00	sack	5.00	200.00	206.00	206.00	ODC	
6	ACP for photo points	20.00	each	5.00	100.00	103.00	103.00	ODC	
7	Sticks # 5 rebar	2.00	each	5.00	10.00	10.30	10.30	ODC	
8	Field book	1.00	each	10.00	10.00	10.30	10.30	ODC	
9	Well depth sounder	1.00	each	800.00	800.00	824.00	824.00	ODC	
10	Well seals with acces plugs for monitoring	6.00	each	50.00	300.00	309.00	309.00	ODC	
11	Aluminum marking tags	20.00	each	5.00	100.00	103.00	103.00	ODC	
<b>SUBTOTAL</b>				<b>1,000.00</b>	<b>2,585.00</b>	<b>2,662.55</b>	<b>2,662.55</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Wheel barrow	10.00	day	5.00	50.00	51.50		ODC	51.50
2	3/4 ton truck	10.00	day	50.00	500.00	515.00		ODC	515.00
4	Hand tools (shovel, pick, trowel, digging bar, hacksaw)	10.00	day	15.00	150.00	154.50		ODC	154.50
<b>SUBTOTAL</b>				<b>70.00</b>	<b>700.00</b>	<b>721.00</b>	<b>0.00</b>		<b>721.00</b>
<b>SURVEY</b>									
1	GPS/GIS Elevations and locations	2.00	day	360.00	720.00	741.60		DLC	741.60
<b>SUBTOTAL</b>				<b>360.00</b>	<b>720.00</b>	<b>741.60</b>			<b>741.60</b>
<b>ARCHEOLOGICAL REVIEW</b>									
1	Cultural review by Desert Archeology	2.00	mile	400.00	800.00	824.00	824.00	OS	
<b>SUBTOTAL</b>				<b>400.00</b>	<b>800.00</b>	<b>824.00</b>	<b>824.00</b>		<b>0.00</b>
<b>PERMITS</b>									
1	State	1.00	permit	50.00	50.00	51.50	51.50	ODC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>50.00</b>	<b>51.50</b>	<b>51.50</b>		<b>0.00</b>
<b>LABOR</b>									
1	Installation - Permanent Markers	80.00	hours	10.00	800.00	824.00	824.00	DLC	
2	NRCS - Transects monitoring	108.00	hours	21.00	2,268.00	2,336.04	2,336.04	DLC	
3	Stream gauges - cross sections	300.00	hours	10.00	3,000.00	3,090.00	3,090.00	DLC	
4	Rain gauges - monitor daily	50.00	hours	10.00	500.00	515.00	515.00	DLC	
5	Rain gauges - monitor monthly	640.00	hours	10.00	6,400.00	6,592.00	6,592.00	DLC	
6	Establish Baseline	60.00	hours	10.00	600.00	618.00	618.00	DLC	
7	Sediment monitoring	320.00	hours	10.00	3,200.00	3,296.00	3,296.00	DLC	
8	Sediment cross sections	72.00	hours	10.00	720.00	741.60	741.60	DLC	
<b>SUBTOTAL</b>					<b>17,488.00</b>	<b>18,012.64</b>	<b>18,012.64</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>22,343.00</b>	<b>23,013.29</b>	<b>21,550.69</b>		<b>1,462.60</b>
<b>ADMINISTRATIVE COST (5%)</b>					<b>1,117.15</b>	<b>1,150.66</b>		<b>0.00</b>	<b>1,150.66</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>23,460.15</b>	<b>24,163.95</b>		<b>0.00</b>	<b>2,613.26</b>

Project: 21g

Field #

Description: Remote Sensing of Land Status on the A-7 Ranch

**AWPF COST CODES**

AC - Administration Costs

DLC - Direct Labor Costs

ODC - Other Direct Costs

OS - Outside Services

CO - Capital Outlay

Ranking:

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
1	<b>MATERIALS</b> Operations (see U of A attached form)				0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	ODC	<b>0.00</b>
	<b>EQUIPMENT</b>				0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	ODC	<b>0.00</b>
	<b>SURVEY</b>				0.00	0.00	0.00	DLC	
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
	<b>ARCHEOLOGICAL REVIEW</b>				0.00	0.00	0.00	OS	
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
	<b>PERMITS</b>				0.00	0.00	0.00	ODC	
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
	<b>LABOR</b>				0.00	0.00	0.00	DLC	
1	Salaries and Wages (see U of A attached form)				0.00	0.00	0.00	DLC	
2	Fringe Benefits (see U of A attached form)				0.00	0.00	0.00	DLC	
3	Travel (see U of A attached form)				0.00	0.00	0.00	DLC	
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
	<b>ACTIVITY SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>55,317.00</b>
	<b>ADMINISTRATIVE COST (5%)</b>				<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>
	<b>TOTAL FOR THIS ACTIVITY</b>				<b>0.00</b>	<b>0.00</b>		<b>90,912.00</b>	<b>55,317.00</b>



Project #22:  
 Field #  
 Description: 11 Concrete tank repairs, sealing and roofing.  
 Back-up 15KVA generator for System.

AWPF COST CODES \$ 51,390.18  
 AC - Administration Costs \$ 2,447.15  
 DLC - Direct Labor Costs \$ 9,434.80  
 ODC - Other Direct Costs \$ 39,508.23  
 OS - Outside Services  
 CO - Capital Outlay

Ranking:

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	Steel purlins, joist, posts, screws, fascia, beams & roof. mat.	11.00	each	2,000.00	22,000.00	22,660.00	22,660.00	ODC	
2	15 KVA Generator	1.00	each	12,700.00	12,700.00	13,081.00	13,081.00	ODC	
3	Asphalt emulsion	165.00	gallon	7.50	1,237.50	1,274.63	1,274.63	ODC	
<b>SUBTOTAL</b>				<b>14,707.50</b>	<b>35,937.50</b>	<b>37,015.63</b>	<b>37,015.63</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
1	Portable Generator	55.00	day	20.00	1,100.00	1,133.00	1,133.00	ODC	
2	3/4 ton truck	11.00	day	50.00	550.00	566.50		ODC	566.50
3	Flat Trailer	11.00	day	15.00	165.00	169.95		ODC	169.95
4	Portable sand blaster	11.00	day	20.00	220.00	226.60	226.60	ODC	
5	Portable air compressor	11.00	day	35.00	385.00	396.55	396.55	ODC	
<b>SUBTOTAL</b>				<b>140.00</b>	<b>2,420.00</b>	<b>2,492.60</b>	<b>1,756.15</b>		<b>736.45</b>
<b>SURVEY</b>									
1	GPS/GIS As-builts	1.00	day	360.00	360.00	370.80		DLC	370.80
<b>SUBTOTAL</b>				<b>360.00</b>	<b>360.00</b>	<b>370.80</b>	<b>0.00</b>		<b>370.80</b>
<b>ARCHEOLOGICAL REVIEW</b>									
<b>SUBTOTAL</b>	None required			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>PERMITS</b>									
<b>SUBTOTAL</b>	None required			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>LABOR</b>									
1	Building Roofs	440.00	hours	10.00	4,400.00	4,532.00	4,532.00	DLC	
2	Sand Blasting	88.00	hours	10.00	880.00	906.40	906.40	DLC	
3	Patching and two coats of sealer	176.00	hours	10.00	1,760.00	1,812.80	1,812.80	DLC	
4	Dig and set posts in concrete	176.00	hours	10.00	1,760.00	1,812.80	1,812.80	DLC	
<b>SUBTOTAL</b>				<b>40.00</b>	<b>8,800.00</b>	<b>9,064.00</b>	<b>9,064.00</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>47,517.50</b>	<b>48,943.03</b>	<b>47,835.78</b>		<b>1,107.25</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>2,447.15</b>		<b>0.00</b>	<b>2,447.15</b>
<b>TOTAL FOR THIS ACTIVITY</b>					<b>47,517.50</b>	<b>51,390.18</b>		<b>0.00</b>	<b>3,554.40</b>

Project #23:  
 Field #  
 Description: Seven (7) dirt tanks for sediment clean - out  
 Location: See map

AWPF COST CODES \$ 37,595.64  
 AC - Administration Costs \$ 1,790.27  
 DLC - Direct Labor Costs \$ 9,393.60  
 ODC - Other Direct Costs \$ 2,781.00  
 OS - Outside Services  
 CO - Capital Outlay \$ 23,630.78

Ranking:

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
1	<b>MATERIALS</b> Fuel diesel	2,000.00	gallon	1.35	2,700.00	2,781.00	2,781.00	ODC	
<b>SUBTOTAL</b>				<b>1.35</b>	<b>2,700.00</b>	<b>2,781.00</b>	<b>2,781.00</b>		<b>0.00</b>
1	<b>EQUIPMENT</b> 5 cy Rubber tire loader	3.50	month	6,555.00	22,942.50	23,630.78	23,630.78	CO	
<b>SUBTOTAL</b>				<b>6,555.00</b>	<b>22,942.50</b>	<b>23,630.78</b>	<b>23,630.78</b>		<b>0.00</b>
1	<b>SURVEY</b> Cross Sections, GPS/GIS As-builts	2.00	day	360.00	720.00	741.60		DLC	741.60
<b>SUBTOTAL</b>				<b>360.00</b>	<b>720.00</b>	<b>741.60</b>	<b>0.00</b>		<b>741.60</b>
<b>SUBTOTAL</b>	<b>ARCHEOLOGICAL REVIEW</b> None required			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>SUBTOTAL</b>	<b>PERMITS</b> None required			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
1	<b>LABOR</b> Equipment Operations	560.00	hours	15.00	8,400.00	8,652.00	8,652.00	DLC	
<b>SUBTOTAL</b>				<b>15.00</b>	<b>8,400.00</b>	<b>8,652.00</b>	<b>8,652.00</b>		<b>0.00</b>
	<b>ACTIVITY SUBTOTAL</b>				<b>34,762.50</b>	<b>35,805.38</b>	<b>35,063.78</b>		<b>741.60</b>
	<b>ADMINISTRATIVE COST (5%)</b>					<b>1,790.27</b>		<b>0.00</b>	<b>1,790.27</b>
	<b>TOTAL FOR THIS ACTIVITY</b>				<b>34,762.50</b>	<b>37,595.64</b>		<b>0.00</b>	<b>2,531.87</b>

Project #24:  
 Field #  
 Description: Attend AWPf information transfer meeting.

AWPF COST CODES \$ 540.75  
 AC - Administration Costs \$ 25.75  
 DLC - Direct Labor Costs \$ 257.50  
 ODC - Other Direct Costs \$ 257.50  
 OS - Outside Services  
 CO - Capital Outlay

Ranking:

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
1	<b>MATERIALS</b> Photograph of poster to be used at annual session	1.00	each	250.00	250.00	257.50	257.50	ODC	
<b>SUBTOTAL</b>				<b>250.00</b>	<b>250.00</b>	<b>257.50</b>	<b>257.50</b>		<b>0.00</b>
	<b>EQUIPMENT</b>				0.00	0.00	0.00		
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
	<b>SURVEY</b>				0.00	0.00	0.00		
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
	<b>ARCHEOLOGICAL REVIEW</b>				0.00	0.00	0.00		
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
	<b>PERMITS</b>				0.00	0.00	0.00		
<b>SUBTOTAL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
1	<b>LABOR</b> Photograph of poster to be used at annual session	1.00	each	250.00	250.00	257.50	257.50	DLC	
<b>SUBTOTAL</b>				<b>250.00</b>	<b>250.00</b>	<b>257.50</b>	<b>257.50</b>		<b>0.00</b>
	<b>ACTIVITY SUBTOTAL</b>				<b>500.00</b>	<b>515.00</b>	<b>515.00</b>		<b>0.00</b>
	<b>ADMINISTRATIVE COST (5%)</b>					<b>25.75</b>		<b>0.00</b>	<b>25.75</b>
	<b>TOTAL FOR THIS ACTIVITY</b>				<b>500.00</b>	<b>540.75</b>		<b>0.00</b>	<b>25.75</b>

Project #25:  
 Field #  
 Description: Prepare and submit a final report.

**AWPF COST CODES**  
 AC - Administration Costs  
 DLC - Direct Labor Costs  
 ODC - Other Direct Costs  
 OS - Outside Services  
 CO - Capital Outlay

Ranking:

TASK No.	CATEGORY	QUANTITY	UNITS	COST PER UNIT	SUBTOTAL	INFLATION 1st. YR. (3%)	AWPF FUNDED	AW-PF	MATCH
<b>MATERIALS</b>									
1	Paper	1.00	report	500.00	500.00			ODC	
2	Printing	1.00	report	2,000.00	2,000.00			ODC	
3	Reproductions	1.00	report	1,000.00	1,000.00			ODC	
<b>SUBTOTAL</b>				<b>3,500.00</b>	<b>3,500.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>EQUIPMENT</b>									
	Computer	1.00	each	2,000.00	2,000.00			CO	
	Digital Comma	1.00	each	500.00	500.00			ODC	
<b>SUBTOTAL</b>				<b>2,500.00</b>	<b>2,500.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>SURVEY</b>									
<b>SUBTOTAL</b>	GPS/GIS As-builts	1.00	each	2,500.00	2,500.00	0.00	0.00	DLC	0.00
<b>ARCHEOLOGICAL REVIEW</b>									
<b>SUBTOTAL</b>	GPS/GIS As-builts			0.00	0.00	0.00	0.00		0.00
<b>PERMITS</b>									
<b>SUBTOTAL</b>				0.00	0.00	0.00	0.00		0.00
<b>LABOR</b>									
	Compile Report	550.00	hours	25.00	13,750.00			DLC	
	Analyze Data	550.00	hours	25.00	13,750.00			DLC	
<b>SUBTOTAL</b>				<b>50.00</b>	<b>27,500.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>ACTIVITY SUBTOTAL</b>					<b>36,000.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>ADMINISTRATIVE COST (5%)</b>						<b>0.00</b>		<b>0.00</b>	
<b>TOTAL FOR THIS ACTIVITY</b>					<b>36,000.00</b>	<b>0.00</b>		<b>0.00</b>	