Arizona Water Protection Fund
FY 2011 Grant Application Review

Application # WPF0394 **Applicant:** Darcy Ely

Title of Project: Eagle Creek Riparian Protection Grant Project

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Additional materials were submitted with this application that could not be reproduced and distributed for review. These materials may be reviewed in person at the Arizona Water Protection Fund offices at (3550 N. Central Avenue, 2nd Floor, Phoenix). The additional materials available are the following:

_____ **Maps**
_____ **Photographs**
__X__ **Disk**
_____ **Other**

WPF0394

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Water Protection Fund

Arizona Water Protection Fund
Application Cover Page
FY 2011

Title of Project: Eagle Creek Riparian Protection Grant Project

Type of Project:
- [x] Capital or Other
- [ ] Water Conservation
- [ ] Research

Stream Type:
- [ ] Perennial
- [ ] Intermittent
- [x] Ephemeral

Your level of commitment to maintenance of project benefits and capital improvements:
- [ ] < 5 years
- [ ] 5-10 years
- [ ] 11-15 years
- [x] 16-20 years

Applicant Information:

Name/Organization: Darcy Ely
Address 1: P.O. Box 548
Address 2:
City: Willcox
State: Arizona
ZIP Code: 85644
Phone: 520-235-8582
Fax: none
Tax ID No.: SS will be provided upon award of the grant

Inside an AMA: Yes [ ] No [x]

If yes, which AMA:
- [ ] Phoenix
- [ ] Tucson
- [ ] Prescott
- [ ] Pinal
- [ ] Santa Cruz

Type of Application:
- [x] New
- [ ] Continuation

Contact Person:

Name: Jan Holder
Title: Executive Director
Phone: 520-395-2499
Fax: 520-829-3660
e-mail: watershedholder@yahoo.com

Any Previous AWPF Grants:
[x] Yes [ ] No

If yes, please provide Grant #(s):
00-102

Arizona Water Protection Fund Grant Amount Requested:

$118,879.76

If the application is funded, will the Grantee intend to request an advance:
[x] **Yes** [ ] **No**

Matching Funds Obtained and Secured:

Applicant/Agency/Organization:	Amount ($):
1. Applicant	12,054.20
2. Eagle Creek Watershed Association	3,441.60
3.	
Total:	15,495.80

Has your legal counsel or contracting authority reviewed and accepted the Grant Award Contract General Provisions?
[x] Yes [ ] No [ ] N/A

Signature of the undersigned certifies understanding and compliance with all terms, conditions and specifications in the attached application. Additionally, signature certifies that all information provided by the applicant is true and accurate. The undersigned acknowledges that intentional presentation of any false or fraudulent information, or knowingly concealing a material fact regarding this application is subject to criminal penalties as provided in A.R.S. Title 13. The Arizona Water Protection Fund Commission may approve Grant Awards with modifications to scope items, methodology, schedule, final products and/or budget.

Darcy Ely	Landowners 520-235-8582
Typed Name of Applicant or Applicant's Authorized Representative	**Title and Telephone Number**
Darcy Ely	8/30/2010
Signature	**Date Signed**

Arizona Watershed Map
FY 2011

Title of Project: **Eagle Creek Rioparian Protection Project**

Project Location & Environmental Contaminant Information
FY 2011

Project Location Information

1. County: Greenlee	2. Section: 19	3. Township: T1N	4. Range: R28E

5. Watershed: Upper Gila

6. 8 or 10 Digit Hydrologic Unit Code (HUC): 1504000502

7. Name of USGS Topographic Map where project area is located: Robinson Mesa

8. State Legislative District: 1

(Information available at: http://159.87.126.6/mapping/default2.asp?tname=Original.2009.Legislative.Map&org2009leg=on&service=ircmaps&init=true)

9. Land ownership of project area: U.S. Forest

10. Current land use of project area: Livestock Grazing

11. Size of project area (in acres): 2

12. Stream Name: Eagle Creek

13. Length of stream through project area: 5

14. Miles of stream benefited: 33 miles

15. Acres of riparian habitat: 60,000 acres will be:

- ☒ Enhanced
- ☐ Maintained
- ☐ Restored
- ☐ Created

16. Provide directions to the project site from the nearest city or town. List any special access requirements:
Located off Hwy 191, 22 miles North of Morenci + 17-23 miles west of Eagle Creek Rd. Boundary fence begins on west side of road, approx mile post 17, west of the riparian and heading north.

Environmental Contaminant Location Information

1. Does your project site contain known environmental contaminants? ☐ **YES** ☒ **NO** If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants: E.coli from the livestock waste

2. Are there known environmental contaminants in the project vicinity? ☐ **YES** ☒ **NO** If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants: E.coli from the livestock waste. The EPA's 303(d) list does not list Upper Eagle Creek as impaired for E.coli. However, there is considerable evidence of livestock waste throughout the riparian area.

3. Are you asking for Arizona Water Protection Fund monies to identify whether or not environmental contaminants are present? ☐ **YES** ☒ **NO**

STATE HISTORIC PRESERVATION OFFICE
Review Form

In accordance with the State Historic Preservation Act (SHPO), A.R.S. 41-861 *et seq*, effective July 24, 1982, each State agency must consider the potential of activities or projects to impact significant cultural resources. Also, each State agency is required to consult with the State Historic Preservation Officer with regard to those activities or projects that may impact cultural resources. Therefore, it is understood that **recipients of state funds are required to comply with this law** throughout the project period. All projects that affect the ground-surface that are funded by AWPF require SHPO clearance, **including those on private and federal lands.**

The State Historic Preservation Office (SHPO) must review each grant application recommended for funding in order to determine the effect, if any, a proposed project may have on archaeological or cultural resources. To assist the SHPO in this review, the following information MUST be submitted with each application for funding assistance:

- A completed copy of this form, and
- A United States Geological Survey (USGS) 7.5 minute map
- A copy of the cultural resources survey report if a survey of the property has been conducted, and
- A copy of any comments of the land managing agency/landowner (i.e., state, federal, county, municipal) on potential impacts of the project on historic properties.
  NOTE: If a federal agency is involved, the agency must consult with SHPO pursuant to the National Historic Preservation Act (NHPA); a state agency must consult with SHPO pursuant to the State Historic Preservation Act (SHPA),
  OR
- A copy of SHPO comments if the survey report has already been reviewed by SHPO.

Please answer the following questions:

1. Grant Program: Arizona Water Protection Fund

2. Project Title: Eagle Creek Riparian Protection Project

3. Applicant Name and Address: Darcy Ely, P.O. Box 548, Willcox, AZ 85644

4. Current Land Owner/Manager(s): US Forest

5. Project Location, including Township, Range, Section: T1N, R28E, S19

6. Total Project Area in Acres (or total miles if trail): 5 miles

7. Does the proposed project have the potential to disturb the surface and/or subsurface of the ground? ☒ YES ☐ NO

8. Please provide a brief description of the proposed project and specifically identify any surface or subsurface impacts that are expected: The fence will be replaced in the exact saame footprint as before.

9. Describe the condition of the current ground surface within the entire project boundary area (for example, is the ground in a natural undisturbed condition, or has it been bladed, paved, graded,

etc.). Estimate horizontal and vertical extent of existing disturbance. Also, attach photographs of project area to document condition: The area has been utilized for over 100 years by livestock grazong. The fence will be rebuilt in the exact same footprint as it was before.

10. Are there any known prehistoric and/or historic archaeological sites in or near the project area?
☐ YES ☒ NO

11. Has the project area been previously surveyed for cultural resources by a qualified archaeologist?
☐ YES ☐ NO ☒ UNKOWN

If YES, submit a copy of the survey report. Please attach any comments on the survey report made by the managing agency and/or SHPO

12. Are there any buildings or structures (including mines, bridges, dams, canals, etc.), which are 50-years or older in or adjacent to the project area? ☐ YES ☒ NO

If YES, complete an Arizona Historic Property Inventory Form for each building or structure, attach it to this form and submit it with your application.

13. Is your project area within or near a historic district? ☐YES ☒ NO

If YES, name of the district:

Please sign on the line below certifying all information provided for this application is accurate to the best of your knowledge.

Darcy Ely / 8/30/2010 DARCY ELY

Applicant Signature /Date Applicant Printed Name

FOR SHPO USE ONLY
SHPO Finding: ☐ Funding this project will not affect historic properties. ☐ Survey necessary – further GRANTS/SHPO consultation required (*grant funds will not be released until consultation has been completed*) ☐ Cultural resources present – further GRANTS/SHPO consultation required (*grant funds will not be released until consultation has been completed*)
SHPO Comments
For State Historic Preservation Office: Date:

STATE OF ARIZONA
HISTORIC PROPERTY INVENTORY FORM

Please type or print clearly. Fill out each applicable space accurately and with as much information as is known about the property.

PROPERTY IDENTIFICATION

For properties identified through survey: Site No. _____ Survey Area: _____

Historic Names (*enter the name(s), if any that best reflect the property's historic importance*): _____

Address: _____

City or Town: _____ ☐ Vicinity County: _____ Tax Parcel No.: _____

Township: _____ Range: _____ Section: _____ Quarters: _____ Acreage: _____

Block: _____ Lot(s): _____ Plat (Addition): _____ Year of plat (addition): _____

UTM Reference – Zone: _____ Easting: _____ Northing: _____

USGS 7.5' quadrangle map: _____

ARCHITECT: _____ ☐ not determined ☐ known Source: _____

BUILDER: _____ ☐ not determined ☐ known Source: _____

CONSTRUCTION DATE: _____ ☐ known ☐ estimated Source: _____

STRUCTURAL CONDITION

☐ Good (*well maintained; no serious problems apparent*)
☐ Fair (*some problems apparent*) Describe: _____
☐ Poor (*major problems; imminent threat*) Describe: _____
☐ Ruin/Uninhabitable

USES/FUNCTIONS

Describe how the property has been used over time, beginning with the original use: _____

Sources: _____

PHOTO INFORMATION

Date of photo: _____
View Direction (looking towards): _____

Attach a recent photograph of property in this space. Additional photographs may be appended.

SIGNIFICANCE

Date Listed: _____ ☐ Determined eligible by Keeper of National Register (date: _____)

RECOMMENDATIONS ON NATIONAL REGISTER ELIGIBILITY (opinion of SHPO staff or survey consultant)

Property ☐ is ☐ is not eligible individually.

Property ☐ is ☐ is not eligible as a contributor to a listed or potential historic district.

☐ More information needed to evaluate.

If not considered eligible, state reason: _____

EAGLE CREEK RIPARIAN PROTECTION PROJECT

AWPF APPLICATION PACKAGE

Submitted by:

The Gila Watershed Partnership of Arizona

711 South 14th Avenue

Safford, Arizona 85546

520-395-2499

Submitted: August 29, 2010

Executive Summary

Eagle Creek is located in Greenlee County in central eastern Arizona. It is a tributary to the Gila River, an important source of water for southern Arizona. The watershed is split down the middle between the San Carlos Apache reservation and the Apache Sitgreaves National Forest. The primary industry on the watershed is cattle ranching, with small amounts of private land supporting Forest Service leases. Ranchers in the watershed have been working to implement Best Management Practices to restore and protect Eagle Creek and the surrounding riparian area. A majority of the riparian corridor has been fenced since 1996. However, the riparian area and the water quality of Eagle Creek are still threatened by trespass vehicles and cattle entering from the San Carlos Apache Nation.

This project will reconstruct five miles of boundary fence on the 4-Drag ranch between the Forest Service land and the San Carlos Apache Nation. As part of the Upper Eagle Creek Watershed Plan, reconstruction of the 33 miles of over fifty year-old boundary fence was outlined as being critical to the long-term protection of Eagle Creek. Over the past five years, this Best Management Practice implementation has begun with 13 miles reconstructed on the East Eagle and Baseline-Horsesprings allotments, (funded by ADA) and Double Circle, (funded by ADEQ), allotments. Fencing will eliminate recreation vehicle traffic and trespass livestock entering the floodplain and Eagle Creek itself from the San Carlos Apache Nation creating a buffer strip of floodplain between the fence and the riparian corridor fencing. Without the ongoing disturbance, floodplain areas are expected to undergo a natural revegetation process with rills and small gullies becoming healed in the process. Larger gullies will be reviewed and treated with structural or bio engineering techniques in a future project.

The education and outreach component of this project will be used for an educational workshop for the Eagle Creek Watershed Association and the San Carlos Apache Cattle Association. The workshop would highlight the protection of Eagle Creek and the riparian area, and the benefits of excluding livestock and vehicles from the riparian area.

Background

Eagle Creek is located in Greenlee County in central eastern Arizona at the base of the White Mountain range. It is a tributary to the Gila River, an important source of water for southern Arizona. The watershed is unique in that it consists of elements of the upper Sonoran desert, grasslands, and Ponderosa forests. The watershed is remote and undeveloped. Because of its remoteness and unique ecological characteristics it was chosen as the primary recovery zone for the Mexican wolf reintroduction, and is one of the few places in Arizona where antelope aren't being threatened by development.

The watershed is split down the middle between the San Carlos Apache reservation and the Apache Sitgreaves National Forest. The primary industry on the watershed is cattle ranching, with small amounts of private land supporting Forest Service leases. Ranchers in the watershed have been working with each other, the Forest Service and other partners for the last ten years on implementing a long-range plan that calls for implementing Best Management Practices that are designed to protect and preserve the water quality of Eagle Creek. Their focus has been on

practices that allow them to manage livestock grazing to maintain a healthy flood plain and riparian corridor. A majority of the riparian corridor has been fenced and Forest Service leases have not been grazed since 1996. However, the riparian area and the water quality of Eagle Creek are still threatened by trespass vehicles and cattle entering from the San Carlos Apache Nation.

In the 1990s, a group of ranchers along Eagle Creek realized that the life of this natural resource depended upon them and building a partnership to address all aspects of the ecosystem. They formed the Upper Eagle Creek Watershed Association and developed a plan that addressed the quality and quantity of water in the Creek, the riparian corridor, the floodplain and the uplands. Using this watershed approach, they prioritized actions over the long term, changed management practices and sought funding for infrastructure with the health of Eagle Creek in mind. Over the past ten years, the partnership has grown to include multiple local, state and federal groups and agencies.

Goals

To protect and preserve the water quality and quantity of the water in the Eagle Creek and enhanced the health of the riparian corridor, by replacement of the San Carlos Apache Reservation boundary fence.

Objectives

Our objectives are to replace the boundary fence between the San Carlos Apache Reservation and the Mud Springs and Tule Forest Service allotments to exclude trespass cattle and vehicles from the Eagle Creek riparian area. The project will effectively exclude highway recreation vehicles that create streambed down cutting, bank erosion and trails in the floodplain that result in gullies that carry sediment to the creek. It will eliminate the trespass cattle that overgraze the floodplain adjacent to the Creek, leaving areas without cover contributing to sediment from sheet and rill erosion that expand into gullies over time. It will remove the wide gaps in the boundary fence that allow recreation vehicles into the Creek and allow trespass cattle to travel up tributaries and contribute to erosion, sedimentation, feces and urine in the Creek system.

Statement of Problem and Causes

The original boundary fence was constructed over fifty years ago. Livestock fences have a useful life of 25 years and this one is in various states of disrepair and no longer functions as a barrier to vehicles and cattle. Off highway recreation vehicles create streambed down cutting, bank erosion and trails in the floodplain that result in gullies that carry sediment to the creek. In addition trespass cattle overgraze the floodplain adjacent to the Creek, leaving areas without cover contributing to sediment from sheet and rill erosion that expand into gullies over time. Gaps in the boundary fence allow recreation vehicles into the Creek and allow trespass cattle to travel up tributaries and contribute to erosion, sedimentation, feces and urine in the Creek system. Ranchers currently manage their cattle, have them fenced out of the Creek but are unable to manage vehicles and trespass cattle without the boundary fence.

A disturbance that removes one inch of soil from a 42 square inch area of unprotected surface will generate between 70 and 106 pounds of sediment that can enter a stream. (United States Department of the Interior, Bureau of Reclamation, Hydraulic and Excavation Tables, Eleventh

Edition). At that rate, one inch of soil removed from a mile of tributary, vehicle trail or unprotected stream bank will generate 8800 pounds of sediment or just over 4 tons from a 42 inch wide strip. Eagle Creek has seen increased impacts from recreational vehicles over the past ten years. Ranchers have not grazed riparian areas since 1996 but have no control over the vehicle access and trespass cattle. The erosion and degradation of the floodplain, tributaries and stream banks of Eagle Creek caused by recreational vehicles and trespass cattle multiplies this sediment number to a point that demonstrates a serious threat to water quality and the long term viability of the Creek itself. Excessive sedimentation clouds the water, which reduces the amount of sunlight reaching aquatic plants; covers fish spawning areas and food supplies, clogs the gills of fish, and smothers the aquatic habitats of bottom-dwelling organisms which can have a ripple effect on the entire ecosystem.

Statement of Solutions

This project will reconstruct 9.5 miles of boundary fence on two ranches (4-Drag and Tule) between the Forest Service land and the San Carlos Apache Nation. As part of the Upper Eagle Creek Watershed Plan, reconstruction of the 33 miles of over fifty year-old boundary fence was outlined as being critical to the long-term protection of Eagle Creek. Over the past five years, this Best Management Practice implementation has begun with 15 1/2 miles reconstructed on the East Eagle, and Baseline-Horsesprings (funded by ADA) and Double Circle, (funded by ADEQ), allotments. Fencing will eliminate recreation vehicle traffic and trespass livestock entering the floodplain and Eagle Creek itself from the San Carlos Apache Nation creating a buffer strip of floodplain between the fence and the riparian corridor fencing. Without the ongoing disturbance, floodplain areas are expected to undergo a natural revegetation process with rills and small gullies becoming healed in the process. Larger gullies will be reviewed and treated with structural or bio engineering techniques in a future project.

Statement of Project Years of Benefits

This project, when properly maintained will last 20 years or more.

Project Map - Allotment line of Mud Springs allotment is in black

Project Schematic
Attached

Scope of Work

Task 1: Permits, Authorizations, Clearances and Agreements
Task Description: The Grantee shall obtain all permits, authorizations, environmental clearances and agreements necessary to complete the tasks listed in this Scope of Work. These include but are not limited to: Forest Service access agreements, archeological clearances, Tribal agreements, etc.
Task Purpose: To comply with all local, state and federal permit requirements, environmental laws such as NEPA and obtain legal access to project area.
Deliverable Description: Copies of all approved permits, authorizations, clearances and agreements.
Deliverable Due Date: Prior to any ground disturbing activities, or March 31, 2010
Reimbursable Cost: $4,667.25

Task 2: Develop Project Implementation Plan
Task Description: The implementation plan will contain the monitoring plan, the fence installation plan, and the education and outreach plan.
Task Purpose: To ...
Deliverable Description: Copies of all implementation plans including, the fence construction plan, the monitoring plan, and the education and outreach plan.
Deliverable Due Date: May 31, 2010
Reimbursable Cost: $6,683.25

Task 3: Implement the Monitoring Plan
Task Description: Implementation of the monitoring plan will include before and after photo monitoring of the Eagle Creek riparian area. Photos will be taken at quarter-mile increments to ensure that the entire fence line is represented.
Task Purpose: To ensure that livestock and vehicles are being excluded from the riparian area.
Deliverable Description: Completion report including a narrative description of completed work, copies of all invoices, timesheets and photos.
Deliverable Due Date: December 31, 2012
Reimbursable Cost: $2,780.00

Task 4: Implement the Fence Installation Plan
Task Description: The Grantee shall construct a five mile, five strand wire fence, that is 48 inches tall. The fence needs to be constructed with five wires, and 48 inches as opposed to the standard 42 inches, as the livestock on the San Carlos Apache reservation tend to be wilder that the usual variety. The fence configuration will be approved by both the Apache Sitgreaves Clifton Ranger District, as well as the Greenlee County Arizona Game and Fish Department prior to implementation. A contract fence company will be selected from local companies who know the terrain and understand the specifications required. The contractor will hire crew members from

the San Carlos Apache Tribe, whenever possible and practicable. See attached schematic for fence specifications.

Task Purpose: To insure that the fence meets Forest Service specifications, and allows for containment of the reservation livestock which allowing for free and safe passage of local wildlife including elk, antelope, deer, etc.
Deliverable Description Completion report including a narrative description of completed work, copies of all invoices, and timesheets and before and after photos of the completed work.
Deliverable Due Date: December 31, 2011
Reimbursable Cost: $ 96,359.76

Task 5: Implement the Education and Outreach Plan
Task Description: The education and outreach will include a riparian health workshop, highlighting the intent of the improvements, and their impact on the health of the river and the riparian area. The Eagle Creek Watershed Association members will organize and conduct the workshop, inviting community members as well as tribal members.
Deliverable Description Completion report including a narrative description of completed work, copies of all invoices, timesheets and photos or copies of the completed work.
Deliverable Due Date: December 31, 2011
Reimbursable Cost: $2,798.25

Task 6: Final Report
Task Description: The grantee shall document and summarize the entire project, including a project narrative, summarization, future recommendations, all project data, maps, photographs, etc, as required by the Arizona Water Protection Fund.
Task Purpose: To document project success.
Deliverable Description The Final report will a narrative description of completed work, copies of all invoices, timesheets and photos or copies of the completed work.
Deliverable Due Date: March 31, 2012
Reimbursable Cost: $5,591.25

Budget
Attached

SHPO
Attached

Key Personnel
Jan Holder, the Executive Director for the Gila Watershed Partnership, will be administering the grant. Jan has over 20 years of experience in marketing with numerous major national companies, and approximately ten years of experience in solving environmental challenges throughout the Upper Gila Watershed. The Gila Watershed Partnership is the oldest watershed group in Arizona, and acts as a focus for environmental community action, outreach and education, and water planning efforts for both Graham and Greenlee counties.

Deborah Mendelsohn, Project Coordinator for the Gila Watershed Partnership, will coordinate all project activities, coordinate the development of the implementation plans, conduct the monitoring and develop and implement the education and outreach plan for the project. Ms Mendelsohn is currently the coordinator for the ADEQ E.coli Reduction on the San Francisco and Lower Blue Rivers grant project for the Gila Watershed Partnership, which is due to be completed in April of 2011. Ms Mendelsohn has been active in environmental and community development activities since 1993, and has an extensive background in project conception, planning, management, and implementation, from local to international.

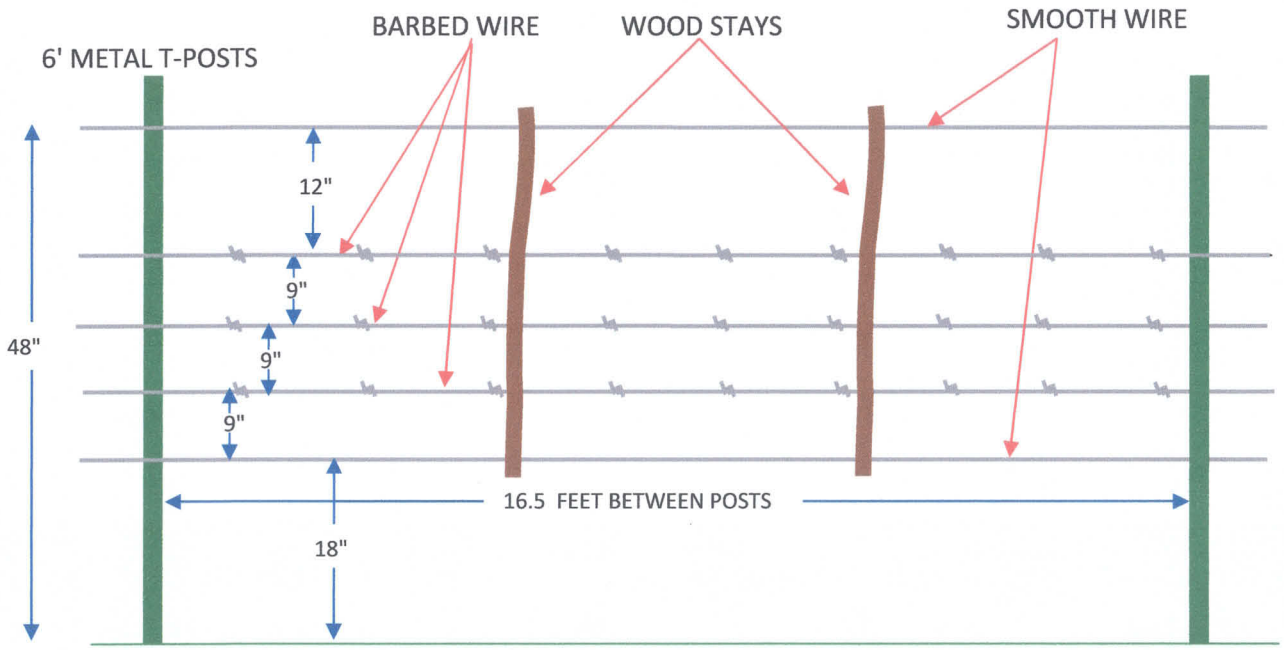
Project Site Photographs

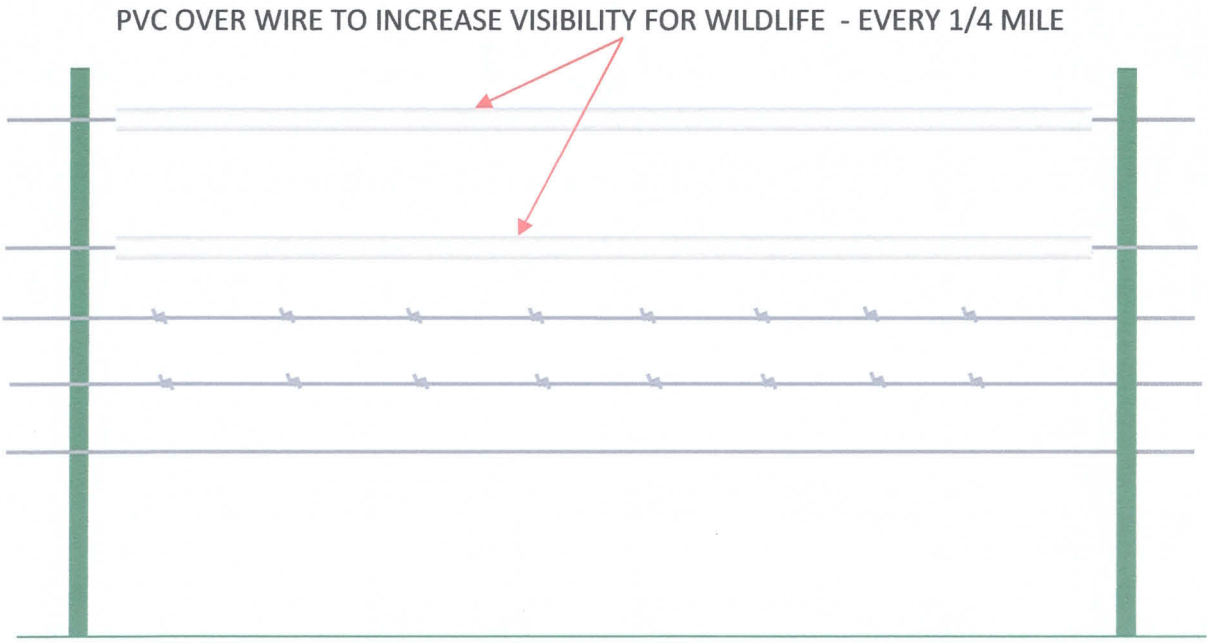
The following three photos highlight the condition of the boundary fence between the U.S Forest and the San Carlos Apache Reservation. The first three photos are typical of the fence condition. The third photo is representative of the repeated attempts at repairing the fence.

Existing Plans, Reports, Information Relevant to the Project
See attached: USDA Forest Service Range Improvements Inventory and Maintenance Responsibility

Letters of Community Support
Attached

MUD SPRINGS ALLOTTMENT WILDLIFE-FRIENDLY BOUNDARY FENCE SCHEMATIC





United States Department of Agriculture
Forest Service
Apache-Sitgreaves National Forests
Clifton Ranger District
397240 AZ 75
Duncan, AZ 85534
(928) 687-8600
FAX: (928) 687-1614

File Code: 2230
Date: August 23, 2010

Gary and Darcy Ely
UECWA
P.O. Box 548
Wilcox, AZ 85644

To Whom It May Concern:

I and my staff have reviewed the proposal to fence the remainder of the Forest-San Carlos boundary and fully support that proposal. To date 12 miles of boundary fence have been completed and this proposal will essentially complete the entire boundary, thus alleviating stray and trespass livestock issues between the two administrative units.

Currently there are stray reservation livestock issues along Eagle Creek that hinder both the cattle operations on San Carlos Indian Reservation and permitted livestock operations on National Forest land. Additionally, Eagle Creek itself is adversely affected by stray livestock grazing in the riparian corridor of Eagle Creek. Completion of this fence line would alleviate these problems.

Due to the nature of the San Carlos Indian Reservation, in that it is a closed reservation, it is also impossible for cattlemen to retrieve livestock permitted on Forest land that stray onto reservation land. This is another important issue that would be alleviated through construction of the remaining fence line. Fence conditions along this border are poor currently excepting the 12 miles of new construction recently completed.

In closing, I fully support this proposal and will dedicate my staff and resources to assisting with implementation.

Sincerely,

CAROL TELLES
Clifton District Ranger

UPPER EAGLE CREEK WATERSHED ASSOCIATION

August 29, 2010

Arizona Water Protection Fund Commissioners
3550 North Central Ave.
Phoenix, AZ 85012

Dear Arizona Water Protection Fund Commissioners:

I am writing this letter to express my support for the Gila Watershed Partnership and their application for grant funding for the Eagle Creek Riparian Corridor Protection grant project. This grant is important as it will address the trespass cattle problem that is seriously affecting the health of Upper Eagle Creek in the Upper Gila Watershed.

The Upper Eagle Creek Watershed Association support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner.

Thank you for your consideration in this matter.

Sincerely,

Chase L. Caldwell

Chase L. Caldwell
President

PO BOX 1756 • CLIFTON AZ • 85533 /PHONE: 480-529-2624

Graham County

ARIZONA COOPERATIVE EXTENSION

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

PO Box 127 • 2100 S. Bowie Avenue • Solomon AZ 85551-0127 • (928) 428-2611 • FAX: (928) 428-7023

August 27, 2010

Arizona Water Protection Fund
3550 North Central Ave.
Phoenix, AZ 85012

Dear Representatives of the Arizona Water Protection Fund:

I am writing this letter to express my support for the Gila Watershed Partnership and their application for grant funding for the Eagle Creek Riparian Corridor Protection grant project. This grant is important as it will address the trespass cattle problem that is seriously affecting the health of Upper Eagle Creek in the Upper Gila Watershed.

I support their efforts to secure these grant funds and I am confident that they will be used in a very worthwhile and efficient manner.

Thank you for your consideration in this matter.

Sincerely,

Bill Brandau
Graham County Cooperative Extension Director
Area Agent, Agriculture and Natural Resources,
Graham and Greenlee County
University of Arizona Cooperative Extension
P.O. Box 127
Solomon, Arizona 85551

wbrandau@cals.arizona.edu

Greenlee County Planning and Zoning

Director Voice - (928) 865 4762
P.O. Box 908 253 Fifth Street
Clifton, Arizona 85533

Facsimile - (928) 865 4763
email - pronnerud@co.greenlee.az.us

Clerk
Yvonne Pearson

Administrator
Deborah K. Gale

Board of Supervisors
David Gomez, District 1
Hector Ruedas, Chair, District 2
Richard Lunt, District 3

August 20, 2010

Arizona Water Protection Fund Commission
3550 North Central Avenue
Phoenix, Arizona 85012

Dear Arizona Water Protection Fund Commissioners:

I support the Gila Watershed Partnership's grant application for Eagle Creek Riparian Corridor Protection. This grant is important as it will help to get rid of the trespass cattle problem that is seriously affecting the health of Upper Eagle Creek in the Upper Gila Watershed.

I support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner.

Please call if you have questions.

Yours truly,

Signature by Ronnerud

Philip Ronnerud
Engineer

d: eagle creek fence grant.wpd

CORONADO
RESOURCE CONSERVATION AND
DEVELOPMENT AREA, INC.

656 N. Bisbee Avenue
Willcox, AZ 85643
Phone: (520) 384-2229 x122
Fax: (520) 384-2735

August 29, 2010

Arizona Water Protection Fund Commission
3550 North Central Ave.
Phoenix, AZ 85012

Dear Arizona Water Protection Fund Commissioners:

The Coronado Resource Conservation & Development Area supports the Gila Watershed Partnership and their application for grant funding that will reconstruct the degraded and non functioning boundary fence between the US Forest Service allotments on Eagle Creek and the San Carlos Apache Nation. This fence will allow ranchers along Eagle Creek to manage access to the riparian area that isn't possible now due to trespass cattle. Management of the unique area of Eagle Creek is very important to Southeast Arizona.

We would like to encourage the Arizona Water Protection Fund Commission to fund this worthwhile project.

Thank you for your consideration in this matter.

Sincerely,

John E. Hays, President

UPPER EAGLE CREEK RIPARIAN CORRIDOR PROTECTION PROJECT
DETAILED BUDGET BREAKDOWN

Task 1				
Permits, Authorizations, Agreements	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Gila Watershed Coordinator	40	hrs	$ 65.00	$ 2,600.00
Contract Archeologist	36	hrs	$ 50.00	$ 1,800.00
Subtotal				$ 4,400.00
Other Direct Costs				
Mileage	620	miles	$ 0.48	$ 297.60
Office Supplies and Postage	1	each	$ 45.00	$ 45.00
Subtotal				$ 45.00
Task Subtotal				$ 4,445.00
Administration Costs (5%)				$ 222.25
Task Total				$ 4,667.25

Task 2				
Develop Project Work Plan (Planning and design for Fence Plan, Monitoring Plan, Education & Outreach Plan)	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Gila Watershed Coordinator	96	hrs	$ 65.00	$ 6,240.00
Subtotal				$ 6,240.00
Other Direct Costs				
Office Supplies and Postage	1	each	$ 125.00	$ 125.00
Subtotal				$ 125.00
Task Subtotal				$ 6,365.00
Administration Costs (5%)				$ 318.25
Task Total				$ 6,683.25

Task 3				
Implement Monitoring Plan	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				

Gila Watershed Coordinator	40	hrs	$ 65.00	$ 2,600.00
Task Subtotal				$ 2,600.00
Other Direct Costs				
Office Supplies and Postage	1	each	$ 25.00	$ 25.00
Subtotal				$ 25.00
Administration Costs (5%)				$ 130.00
Task Total				$ 2,780.00

Task 4				
Implement Fence Plan	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Contract Fence Crew	5	miles	$ 14,225.00	$ 54,392.00
Gila Watershed Coordinator	24	hrs	$ 65.00	$ 1,560.00
Subtotal				$ 55,952.00
Equipment				
Pickup Truck	250	hrs	$ 4.00	$ 1,000.00
Punjar	250	hrs	$ 10.00	$ 2,500.00
Chainsaw	250	hrs	$ 4.50	$ 1,125.00
Subtotal				$ 4,625.00
Material & Supplies				
Steel Posts (133)	1650	each	$ 6.40	$ 10,560.00
Barb Wire	80	each	$ 78.54	$ 6,283.20
Smooth wire	20	each	$ 71.00	$ 1,420.00
Brace Posts	125	each	$ 40.00	$ 5,000.00
Stays	4950	each	$ 0.50	$ 2,475.00
Staples	1	ttl	$ 192.00	$ 192.00
Stay wire	1	ttl	$ 75.00	$ 75.00
Nails	1	ttl	$ 164.00	$ 164.00
Freight-(mule packing)	1	ttl	$ 1,500.00	$ 1,500.00
Wood post for wildlife jump	20	each	$ 60.00	$ 1,200.00
Wood rails for elk jump	50	each	$ 30.00	$ 1,500.00
Pvc pipe for top rail wildlife jumps	600	each	$ 1.10	$ 660.00
Subtotal				$ 31,029.20
Other Direct Costs				
Office Supplies and Postage	1	each	$ 165.00	$ 165.00
Subtotal				$ 165.00

Task Subtotal				$ 91,771.20
Administration Costs (5%)				$ 4,588.56
Task Total				$ 96,359.76

Task 5				
Implement Education & Outreach Plan	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Gila Watershed Coordinator	40	hrs	$ 65.00	$ 2,600.00
Subtotal				$ 2,600.00
Other Direct Costs				
Office Supplies and Postage	1	each	$ 65.00	$ 65.00
Subtotal				$ 65.00
Task Subtotal				$ 2,665.00
Administration Costs (5%)				$ 133.25
Task Total				$ 2,798.25

Task 6				
Final Project Report	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Gila Watershed Coordinator	80	hrs	$ 65.00	$ 5,200.00
Subtotal				$ 5,200.00
Other Direct Costs				
Office Supplies and Postage	1	each	$ 125.00	$ 125.00
Subtotal				$ 125.00
Task Subtotal				$ 5,325.00
Administration Costs (5%)				$ 266.25
Task Total				$ 5,591.25

Total Requested AWPF	$ 118,879.76

UPPER EAGLE CREEK RIPARIAN CORRIDOR PROTECTION PROJECT
DETAILED MATCHING BREAKDOWN

Task 1				
Permits, Authorizations, Agreements	Amount	Unit	Cost per Unit	Total Cost

Direct Labor				
Permittee	80	hrs	$ 20.00	$ 1,600.00
Subtotal				$ 1,600.00
Other Direct Costs				
Mileage	620	miles	$ 0.48	$ 297.60
Subtotal				$ 297.60
Task Total				$ 1,897.60

Task 2				
Develop Project Work Plan (Planning and design for Fence Plan, Monitoring Plan, Education & Outreach Plan)	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Permittee	80	hrs	$ 20.00	$ 1,600.00
Subtotal				$ 1,600.00
Other Direct Costs				
Mileage	620	miles	$ 0.48	$ 297.60
Subtotal				$ 297.60
Task Total				$ 1,897.60

Task 3				
Implement Monitoring Plan	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Permittee	80	hrs	$ 20.00	$ 1,600.00
Subtotal				$ 1,600.00
Other Direct Costs				
Mileage	620	miles	$ 0.48	$ 297.60
Subtotal				$ 297.60
Task Total				$ 1,897.60

Task 4				
Implement Fence Plan	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Permittee - Oversight and old fence removal	180	hrs	$ 20.00	$ 3,600.00
Eagle Creek Watershed Association Members	40	hrs	$ 20.00	$ 800.00
Subtotal				$ 800.00

Other Direct Costs				
Permittee Mileage	310	miles	$ 0.48	$ 148.80
Eagle Creek Watershed Association Mileage	930	miles	$ 0.48	$ 446.40
Subtotal				$ 595.20
Task Total				$ 1,395.20

Task 5				
Implement Education & Outreach Plan	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Permittee	60	hrs	$ 20.00	$ 1,200.00
Eagle Creek Watershed Association Members	80	hrs	$ 20.00	$ 1,600.00
Subtotal				$ 2,800.00
Materials and Supplies				
Food, water and supplies for workshop	1	ttl	$ 250.00	$ 250.00
Subtotal				$ 250.00
Other Direct Costs				
Office Supplies and Postage	1	each	$ 65.00	$ 65.00
Subtotal				$ 65.00
Other Direct Costs				
Permittee Mileage	620	miles	$ 0.48	$ 297.60
Eagle Creek Watershed Association Mileage	1240	miles	$ 0.48	$ 595.20
Subtotal				$ 297.60
Task Total				$ 3,412.60
Task 6				
Final Project Report	Amount	Unit	Cost per Unit	Total Cost
Direct Labor				
Permittee	40	hrs	$ 20.00	$ 800.00
Task Total				$ 800.00

Total Matching Funds	$ 11,300.60

Total AWPF and Matching Funds	$ 130,180.36