Arizona Water Protection Fund
FY 2009 Grant Application Review

Application # WPF0380 **Applicant:** THE GILA WATERSHED PARTNERSHIP

Title of Project: GILA RIVER WATER CONSERVATION EDUCATION PROGRAM

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, 4th Floor, Phoenix). The additional materials available are the following:

_____ **Maps**
_____ **Photographs**
_✓_ **Disk** APPLICATION
_____ **Other**

COPY

Arizona Water Protection Fund
Application Cover Page
FY 2009

WPF0380

Title of Project: Gila River Water Conservation Education Program

Type of Project:
- ☐ Capital or Other
- ☒ Water Conservation
- ☐ Research

Stream Type:
- ☒ Perennial
- ☐ Intermittent
- ☐ Ephemeral

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

Applicant Information:
Name/Organization: The Gila Watershed Partnership
Address 1:
Address 2:
City:
State:
ZIP Code:
Phone:
Fax:
Tax ID No.:

Inside an AMA: Yes ☐ No ☒

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

Type of Application:
- ☒ New
- ☐ Continuation

Contact Person:
Name: Jan Holder
Title: Program Manager
Phone:
Fax:
e-mail:

Any Previous AWPF Grants:
☒Yes ☐No

If yes, please provide Grant #(s):
07-145WPF
08-155WPF

Arizona Water Protection Fund Grant Amount Requested:

$148,612.80

If the application is funded, will the Grantee intend to request an advance:
☒**Yes** ☐**No**

Matching Funds Obtained and Secured:

Applicant/Agency/Organization:	Amount ($):
1. Applicant	0.00
2. Graham Cty. Coop. Extension	40,045.00
3. U.S. Bureau of Reclamation	5,000.00
4. Freeport MacMoRan	10,000
Total:	150,045.00

Has your legal counsel or contracting authority reviewed and accepted the Grant Award Contract General Provisions?
☐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.

Jan Holder	Program Manager
Typed Name of Applicant or Applicant's Authorized Representative	**Title and Telephone Number**
[signature]	program manager 6/10/08
Signature	**Date Signed**

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JUN 11 2008
ARIZONA WATER PROTECTION FUND

Gila River Water Conservation Education Program
Executive Summary

It is absolutely essential that we implement a water conservation program at this time. We must reduce our water consumption to protect an already stressed riparian area. There is unprecedented pressure upon the Upper Gila River and its tributaries at this time. These pressures include:

- The City of Safford is the primary domestic water provider in Graham County, and takes the majority of the water it uses directly from Bonita Creek or backup wells located within the flood plain of the Gila River.
- Graham County is experiencing a rapid growth period and the population is nearing 40,000. There are approximately 47 subdivisions under construction, approved, plated or proposed. One factor guiding this growth is The Newport McMoRan mine, which is completed and starting production. There is a pending proposal that is expected to pass the Arizona legislature this year, which will turn Eastern Arizona into a four-year college. With these factors added to the current population expansion rate, Graham County expects the population to reach 100,000 in ten years.
- The Arizona Water Settlements Act that was recently adopted by Congress, will settle a water dispute between the Gila River Indian Community many diverse parties. Graham County and communities are the epicenter of much of the settlement because the Gila River flows through the county. The mandate to deliver a required amount of water downstream to the Gila River Indian Community may have a significant impact on the Gila's riparian area.
- On June 28, 2007 the USFWS issued a Biological Opinion for Restoration of Native Fishes in Lower Bonita Creek and Implementation of a Memorandum of Understanding and 10-Year Operation Plan between the Bureau of Land Management (BLM) and the City of Safford. The proposed action includes maintaining a healthy native fishery in Bonita Creek within the Gila Box National Riparian Conservation Area and construction of a fish barrier. The Bureau of Reclamation is party to this as the fish barrier is mitigation for the Central Arizona Project. A number of threatened and endangered species are located in the area, including the Southwest Willow Flycatcher, Razor Back Sucker, and the Gila Chub.
- The area's population currently uses 200 gallons of water per capita per day (GPCD). Compared with other communities in Arizona such as Flagstaff, who has a GPCD of 160, Cottonwood, who has a GPCD of 110, Prescott Valley, with a GPCD of 116, or Payson with a GPCD of 86, our community has a high per capita water use rate. Before our population reaches the projected 100,000 mark that we anticipate, we have a window of opportunity to build a partnership within the community that act upon a new water conservation ethic.

It is absolutely essential that we implement a water conservation program at this time. We must reduce our water consumption to protect an already stressed riparian area.

Project Overview

Background

There is unprecedented pressure upon the Upper Gila River and its tributaries at this time. A number of separate issues are placing demands on these riparian areas:

- **Our Domestic and Industrial Water Comes from our River** The City of Safford is the primary domestic water provider in Graham County, and takes the majority of the water it uses directly from Bonita Creek or backup wells located within the flood plain of the Gila River. The City of Safford is entitled to 5,300 acre-feet of water from Bonita Creek through the Arizona Water Settlement Act. Currently, Safford is utilizing approximately 60 percent of their water right.
- **Rapid Population Growth** Graham County is experiencing a rapid growth period and the population is nearing 40,000. There are approximately 47 subdivisions under construction, approved, plated or proposed. One factor guiding this growth is The Newport McMoRan mine, which is completed and starting production. Another factor that will have a major impact on the expected growth is the proposal that is expected to pass this year, which would turn Eastern Arizona into a four-year college. With these factors added to the current population expansion rate, Graham County expects the population to reach 100,000 in ten years.
- **The Pending Water Settlement** The Arizona Water Settlements Act that was recently adopted by Congress, will settle a water dispute between the Gila River Indian Community many diverse parties. Graham County and communities are the epicenter of much of the settlement because the Gila River flows through the county. Community water supplies, agricultural water and industrial water are all part of the settlement. In practical terms, this settlement will reduce the amount of water that may be taken from the Gila River for agricultural purposes. Ten percent of the agricultural land in the Safford area will be retired under the terms of the settlement. Even though on the surface the retirement of agricultural land may seem to be of benefit to the Gila and its tributaries, the land that is being retired is being sold for housing developments. The mandate to deliver a required amount of water downstream to the Gila River Indian Community may have a significant impact on the Gila's riparian area.
- **USFWS Native Fish Decision** On June 28, 2007 the USFWS issued a Biological Opinion for Restoration of Native Fishes in Lower Bonita Creek and Implementation of a Memorandum of Understanding and 10-Year Operation Plan between the Bureau of Land Management (BLM) and the City of Safford. The proposed action includes maintaining a healthy native fishery in Bonita Creek within the Gila Box National Riparian Conservation Area and construction of a fish barrier. The Bureau of Reclamation is party to this as the fish barrier is mitigation for the Central Arizona Project. A number of threatened and endangered species are located in the area, including the Southwest Willow Flycatcher, Razor Back Sucker, and the Gila Chub.
- **High Per capita Water Consumption** The area's population currently uses 200 gallons of water per capita per day (GPCD). Compared with other communities in Arizona such as Flagstaff, who has a GPCD of 160, Cottonwood, who has a GPCD of 110, Prescott Valley, with a GPCD of 116, or Payson with a GPCD of 86, our community has a high per capita water use rate. Before our population reaches the projected 100,000 mark that

we anticipate, we have a window of opportunity to build a partnership within the community that act upon a new water conservation ethic.

It is absolutely essential that we implement a water conservation program at this time. We need to reduce water consumption to protect an already stressed riparian area. If we do not act, the Upper Gila and its tributaries may suffer the same fate as the Upper San Pedro, a river that is losing the battle between water consumption and riparian health.

Goals

The goal of this program is to reduce the per capita per day consumption of water throughout the Upper Gila Watershed.

Objectives

1. Implementation of a media plan
2. Implementation of a school education plan
3. Implementation of a water audit program
4. Implementation of a event plan
5. Implementation of a xeriscaping program plan

Statement of Problems/Causes

The Upper Gila Watershed has no comprehensive water conservation program. Sporadic efforts by the City of Safford centered primarily on education in the lower grades of the schools. These efforts do not appear to have had any impact on the GPCD of the watershed, although the evidence is anecdotal, as provided by a previous employee of the City of Safford.

Statement of Solutions

We will implement a comprehensive water education program in Graham and Greenlee Counties. This program will include a media campaign (including newspaper, radio, utility bill stuffers), an school education program (including education program utilizing the water wagon), home and business water audits, which will include a water use reduction toolkit program which will provide low-flow tap inserts and toilet flap replacements free of charge, and rebates for installing low water use toilets, and participation at the four largest community events for general education and xeriscaping education. This program will result in a reduction of the overall GPCD.

The Graham County Cooperative Extension has secured a grant that has been verbally approved from the US Bureau of Reclamation (BOR). We should have a signed contract in the next two months. We will be using the BOR funds as a match to the Arizona Water Protection Fund grant. A copy of the grant is attached. We will be overlapping the two grants, to assure an effective water conservation campaign.

Statement of Project Years of Benefit

We believe that this program will have a significant five year benefit, as well as a measurable permanent benefit. In order to quantify the outcome of the program, we intend to perform water audits on the homes and businesses participating in the program, as well as measuring the GPCD in Safford, near the end of the grant period. We are targeting a GPCD of 120 in participating homes and businesses (from slightly over 200 currently), and a 2% overall reduction of the

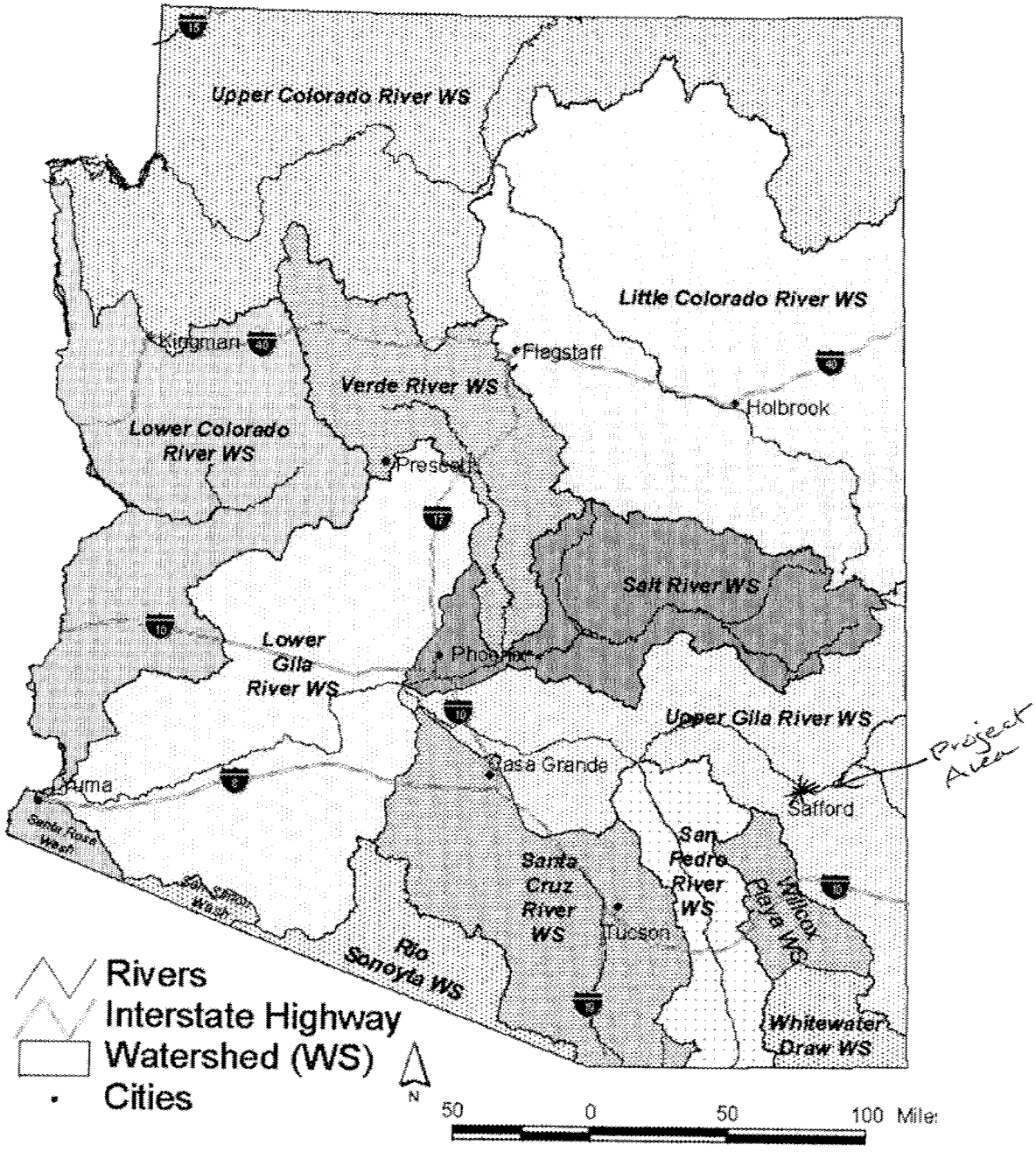
GPCD. We are basing this reduction on information provided by the City of Tucson on programs they have implemented in the past.

Project Location and Environmental Contaminants Information
n/a, as this is a water conservation education program

Project Location/Ownership Map(s)
n/a, as this is a water conservation education program

Project Schematic
n/a, as this is a water conservation education program

Arizona Watershed Map
FY 2009



Title of Project: Gila River Water Conservation Education Program

Project Location & Environmental Contaminant Information
FY 2009

Project Location Information

1. County: Gila River Water Conservation Education Program	2. Section: NW1/4	3. Township: 7S	4. Range: 25E

5. Watershed: Upper Gila River

6. Name of USGS Topographic Map where project area is located: Safford F32109E1 geo

7. State Legislative District: 1

(Information available at http://156.42.40.10/mapping/default2.asp?tname=Interim.2004.Legislative.Map)

8. Land ownership of project area: mixed

9. Current land use of project area: mixed

10. Size of project area (in acres): 4,703,215

11. Stream Name: Upper Gila River

12. Length of stream through project area: 20

13. Miles of stream benefited: 60 miles

14. Acres of riparian habitat: 6000 acres will be:

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

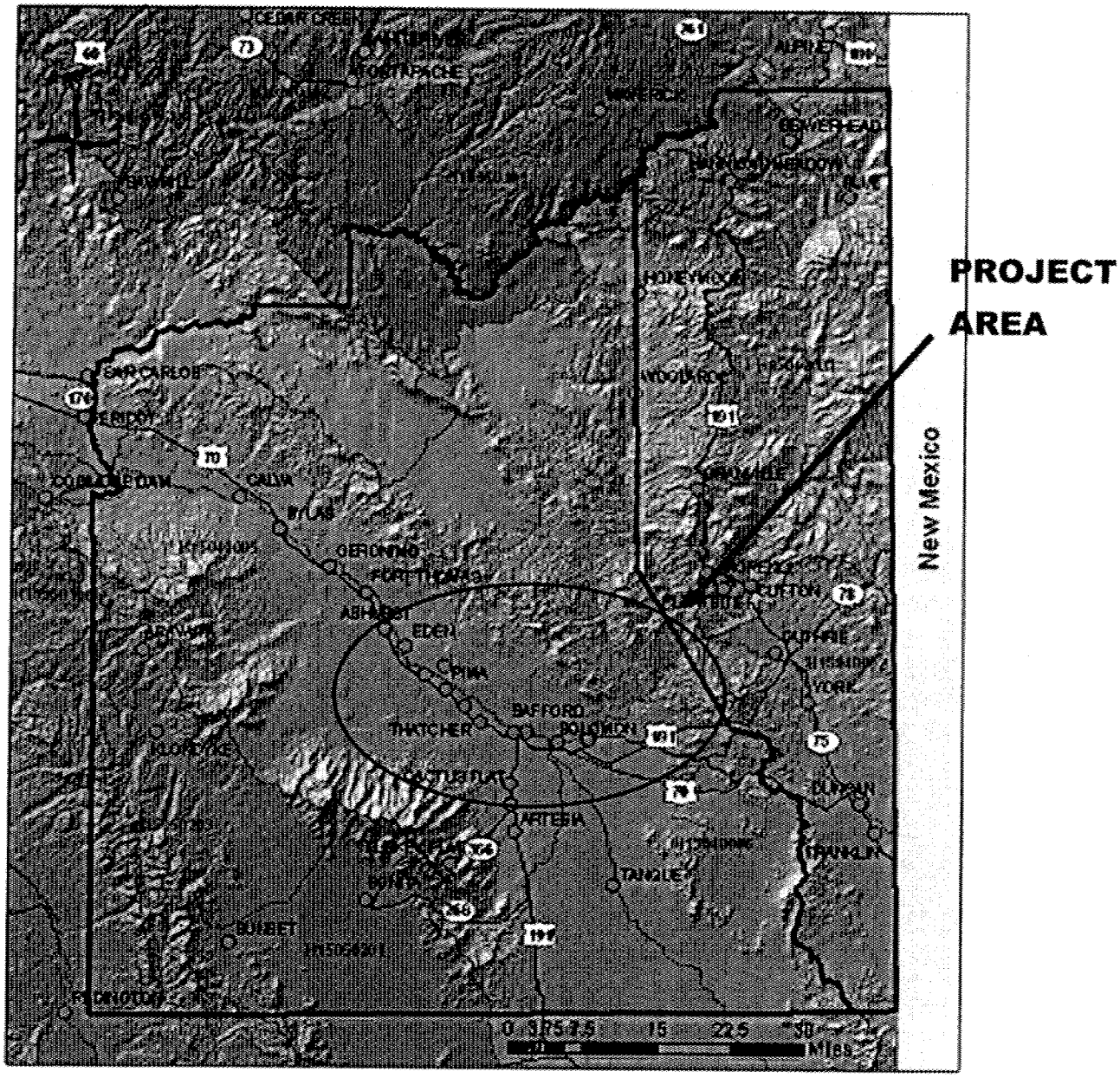
15. Provide directions to the project site from the nearest city or town. List any special access requirements:
n/a - this is a water conservation education program

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:
   -

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:
   -

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


PROJECT
AREA
New Mexico
CEDAR CREEK
FORT APACHE
ALPINE
BEAVERHEAD
HONEYMOON
SAN CARLOS
PERIDOT
COBBLE DAM
CALVA
BYLAS
GERONIMO
FORT THOMAS
ASHURST
EDEN
PIMA
THATCHER
SAFFORD
SOLOMON
CACTUS FLAT
ARTESIA
TANQUE
BUNBET
CUFFON
CUTHRIE
YORK
DUNCAN
FRANKLIN
0 3.75 7.5 15 22.5 30
Miles

Scope of Work

Task #1: Development of an Implementation Plan

Task Description: The grantee will develop an implementation plan which will include a Media Implementation Plan, a School Education implementation Plan, Water Audit Program Implementation Plan, an Event Implementation Plan, and a Xeriscaping Implementation Plan.

Task Purpose/Objective: To develop an implementation plan that successfully reduces the water consumption n the Upper Gila Watershed

Deliverable Description:

1. Media Implementation Plan
    a. Psychographic and demographic criteria for media selection
    b. List of selected media
    c. Media runtime schedules
    d. Media cost schedules
    e. Development of effective media message
2. School Education implementation Plan
    a. Criteria for school and class selection
    b. List of included schools
    c. List of included classes
    d. Schedule of school presentations
    e. Selection of water conservation curriculum materials
3. Water Audit Program Implementation Plan
    a. List and description of targeted audiences (high water users – municipal and industrial, etc.)
    b. List and description of audit techniques
    c. List and description of audit material and supplies (informative brochures, checklists, red dye tablets to detect leaks, low-flow faucet add-ons, coupons for low-flow toilet replacement, etc.)
    d. Selection of water audit team
    e. Design of water audit tracking and evaluation
4. Event Implementation Plan – This plan will utilize existing, well attended evens in the Safford area, to reduce cost and maximize exposure
    a. Criteria for selection of event coverage
    b. List of existing events
    c. Description and number of past event attendees
    d. Description of proposed activity objectives and descriptions
    e. Each activity's target audience
    f. A description of informational material to be produced
    g. Event schedule
5. Xeriscaping Implementation Plan - Design of a program intended to incentivize individuals, and companies to replace current, or implement new xeriscaping plans.
    a. List of selected target market (new homes, older homes, existing heavy water users, etc.)
    b. List of xeriscaping activities and techniques (rain barrels, rainfall detention techniques, low-water use plants, etc.)
    c. Materials and supplies list and description
    d. List of targeted events or classes to be offered

e. List and description of incentive rewards (coupons for low-water use plants, grass removal rebates, etc)

Due Date: September 2009
AWPF Reimbursable Cost: $4,948.65 (includes 5% administrative costs)
Matching Cost: $7,000.00

Task #2: Implementation of the Media Plan
Task Description: The grantee will implement the media plan as described in Task #1. The grantee shall complete a quarterly Media Report that will include a description development of media material, copies of finished material, copies tapes or photos of print or broadcast media, dates the selected media occurred, copies of invoices.
Task Purpose/Objective: To ensure the success of media efforts associated with the project
Deliverable Description:

a. Copies of media material
b. Media Plan Report
c. Summary of media activities
d. Copies of invoices

Deliverable Due Date: July 2011
AWPF Reimbursable Cost: $39,669.00 (includes 5% administrative costs)
Matching Cost: $10,000

Task #3: Implementation of the School Education Plan
Task Description: The grantee will implement the School Education Plan as described in Task #1.
Task Purpose/Objective: To ensure the success of the school education efforts associated with the project
Deliverable Description:

a. Criteria for school and class selection
b. List of included schools
c. List of included classes
d. Schedule of school presentations
e. Selection of water conservation curriculum materials

Deliverable Due Date: July 2011
AWPF Reimbursable Cost: 10,909.50 (includes 5% administrative costs)
Matching Cost: $4,760

Task #4: Implementation of the Water Audit Program
Task Description: The grantee will implement the Water Audit Program as described in Task #1. The grantee will complete a Water Audit report that will evaluate the success of the water audits, the success of the information offered and the number and percentage of the conservation techniques adopted, and the GPCD reduction of the participating entity.
Task Purpose/Objective: To ensure the success of water audit efforts associated with the project
Deliverable Description:

- Description of water audit objectives and descriptions
- Water audit target audience

- Material to be produced
- Supplies and tools needed
- Schedule
- Before and after audit results
- Copies of invoices

Deliverable Due Date: June 2011
AWPF Reimbursable Cost: $56,427 (includes 5% administrative costs)
Matching Cost: $80,390

Task #5: Implementation of the Event Plan
Task Description: The grantee will implement the Event Plan as described in Task #1. The grantee will complete the Event Plan to ensure it engages the target audience successfully.
Task Purpose/Objective: To ensure the success of event efforts associated with the project
Deliverable Description:

- List of events attended
- Description and number of event attendees
- Description of activity outcomes
- Description of each activity's attendees
- A copy of informational material produced
- Event schedule
- Copies of invoices

Deliverable Due Date: June 2011
AWPF Reimbursable Cost: $9,786 (includes 5% administrative costs)
Matching Cost: $22,445

Task #6: Implementation of the Xeriscaping Plan
Task Description: The grantee will implement the Xeriscaping Plan as described in Task #1. The grantee will complete the Xeriscaping Plan to
Task Purpose/Objective: To ensure the success of Xeriscaping efforts associated with the project
Deliverable Description:

- List of xeriscaping activities
- Description and number of xeriscaping activities
- Description of the success of the activity objectives
- List of implemented xeriscaping activities
- A description of informational material produced
- List of supplies and tools used
- Copies of invoices

Deliverable Due Date: June 2011
AWPF Reimbursable Cost: $23,530.50 (includes 5% administrative costs)
Matching Cost: $22,445

Task #7: Final Report

Task Description: The Grantee will prepare and submit a comprehensive final report. The final report shall include a summary of all projects and programs, outcomes of all tasks, analysis of all water conservation data, suggestions for any changes or future actions, and an evaluation of the success of meeting project objectives.
Task Purpose/Objective: To describe the goals and accomplishments of the project.
Deliverable Description: Final Project Report
Deliverable Due Date: June 2011
AWPF Reimbursable Cost: $3,342.15 (includes 5% administrative costs)
Matching Cost: $0

GILA RIVER WATER CONSERVATION EDUCATION PROGRAM

DETAILED BUDGET BREAKDOWN

Task 1				
Development of Implementation Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Gila Watershed Coordinator	40	hrs	$ 65.00	$ 2,600.00
Program Coordinator	40	hrs	$ 45.00	$ 1,800.00
Clerical Support	40	hrs	$ 25.00	$ 1,000.00
Subtotal				**$ 4,400.00**
Other Direct Costs				
Mileage	400	miles	$ 0.45	$ 180.00
Printing	200	pages	$ 0.15	$ 30.00
Covers	20	pages	$ 0.15	$ 3.00
Postage	20	mailings	$ 5.00	$ 100.00
Subtotal				**$ 313.00**
Task Subtotal				**$ 4,713.00**
Administration Costs (5%)				**$ 235.65**
Task Total				**$ 4,948.65**

Task 2				
Implementation of Media Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Gila Watershed Coordinator	20	hrs	$ 65.00	$ 1,300.00
Program Coordinator	20	hrs	$ 45.00	$ 900.00
Clerical Support	40	hrs	$ 25.00	$ 1,000.00
Advertising Artist	20	hrs	$ 75.00	$ 1,500.00
Copywriter	40	hrs	$ 75.00	$ 3,000.00
Subtotal				**$ 7,700.00**
Other Direct Costs				
Mileage	400	miles	$ 0.45	$ 180.00
Print Media Placement	26	each	$ 400.00	$ 10,400.00
Broadcast Media Placement	52	each	$ 375.00	$ 19,500.00
Subtotal				**$ 30,080.00**
Task Subtotal				**$ 37,780.00**
Administration Costs (5%)				**$ 1,889.00**

Task Total				$ 39,669.00

Task 3				
Implementation of the School Education Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Gila Watershed Coordinator	10	hrs	$ 65.00	$ 650.00
Program Coordinator	160	hrs	$ 45.00	$ 7,200.00
Clerical Support	40	hrs	$ 25.00	$ 1,000.00
Subtotal				**$ 8,850.00**
Other Direct Costs				
Mileage	1200	miles	$ 0.45	$ 540.00
Materials	800	each	$ 0.25	$ 200.00
Supplies	32	each	$ 25.00	$ 800.00
Subtotal				**$ 1,540.00**
Task Subtotal				**$ 10,390.00**
Administration Costs (5%)				**$ 519.50**
Task Total				**$ 10,909.50**

Task 4				
Implementation of the Water Audit Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Gila Watershed Coordinator	40	hrs	$ 65.00	$ 2,600.00
Program Coordinators	600	hrs	$ 45.00	$ 27,000.00
Clerical Support	80	hrs	$ 25.00	$ 2,000.00
Subtotal				**$ 29,600.00**
Other Direct Costs				
Mileage	1200	miles	$ 0.45	$ 540.00
Printed Materials	2400	ea	$ 0.25	$ 600.00
Supplies - dye tablet pkgs	1000	ea	$ 1.50	$ 1,500.00
Supplies - toilet flappers, faucet emiters, etc	1000	ea	$ 1.50	$ 1,500.00
Toilet Rebates	1000	ea	$ 20.00	$ 20,000.00
Subtotal				**$ 24,140.00**
Task Subtotal				**$ 53,740.00**
Administration Costs (5%)				**$ 2,687.00**

Task Total				**$ 56,427.00**

Task 5				
Implementation of the Event Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Gila Watershed Coordinator	20	hrs	$ 65.00	$ 1,300.00
Program Coordinator	100	hrs	$ 45.00	$ 4,500.00
Clerical Support	40	hrs	$ 25.00	$ 1,000.00
Graphic artist	15	hrs	$ 35.00	$ 525.00
Subtotal				**$ 6,800.00**
Other Direct Costs				
Mileage	600	miles	$ 0.45	$ 270.00
Material	5000	each	$ 0.15	$ 750.00
Supplies	20	each	$ 25.00	$ 500.00
Equipment - Display	1	each	$ 1,000.00	$ 1,000.00
Subtotal				**$ 2,520.00**
Task Subtotal				**$ 9,320.00**
Administration Costs (5%)				**$ 466.00**
Task Total				**$ 9,786.00**

Task 6				
Implementation of the Xeriscaping Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Gila Watershed Coordinator	40	hrs	$ 65.00	$ 2,600.00
Program Coordinator	300	hrs	$ 45.00	$ 13,500.00
Clerical Support	40	hrs	$ 25.00	$ 1,000.00
Subtotal				**$ 16,100.00**
Other Direct Costs				
Mileage	400	miles	$ 0.45	$ 180.00
Material	500	each	$ 0.26	$ 130.00
Supplies	20	each	$ 50.00	$ 1,000.00
Incentives	500	each	$ 10.00	$ 5,000.00
Subtotal				**$ 6,310.00**
Task Subtotal				**$ 22,410.00**
Administration Costs (5%)				**$ 1,120.50**

Task Total				**$ 23,530.50**

Task 7				
Final Report	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Gila Watershed Coordinator	40	hrs	$ 65.00	$ 2,600.00
Program Coordinator	10	hrs	$ 45.00	$ 450.00
Clerical Support	10	hrs	$ 25.00	$ 250.00
Subtotal				**$ 3,050.00**
Other Direct Costs				
Printing	200	pages	$ 0.15	$ 30.00
Covers	20	pages	$ 0.15	$ 3.00
Postage	20	mailings	$ 5.00	$ 100.00
Subtotal				**$ 133.00**
Task Subtotal				**$ 3,183.00**
Administration Costs (5%)				**$ 159.15**
Task Total				**$ 3,342.15**

Total Requested AWPF	**$ 148,612.80**

DETAILED MATCHING BREAKDOWN

Task 1				
Development of Implementation Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Cooperative Extension Director (Coop Ext Match)	80	hrs	$ 65.00	$ 5,200.00
Cooperative Ext Coordinator (BOR Match)	40	hrs	$ 45.00	$ 1,800.00
Subtotal				**$ 7,000.00**
Task Total				**$ 7,000.00**

Task 2				
Implementation of Media Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Cooperative Extension Director	10	hrs	$ 65.00	$ 650.00
Subtotal				**$ 650.00**
Other Direct Costs				

Print Media Placement (Freeport McMoRan Donation)	25	each	$ 400.00	$ 10,000.00
Subtotal				**$ 10,000.00**
Task Total				**$ 10,000.00**

Task 3				
Implementation of the School Education Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Cooperative Extension Director	14	hrs	$ 65.00	$ 910.00
Program Coordinators	80	hrs	$ 45.00	$ 3,600.00
Subtotal				**$ 4,510.00**
Other Direct Costs				
Vehicle Use	1	each	$ 250.00	$ 250.00
Subtotal				**$ 250.00**
Task Total				**$ 4,760.00**

Task 4				
Implementation of the Water Audit Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Program Coordinators	990	hrs	$ 45.00	$ 44,550.00
Cooperative Extension Director	120	hrs	$ 65.00	$ 7,800.00
Subtotal				**$ 52,350.00**
Other Direct Costs				
Vehicle Use	1	each	$ 250.00	$ 250.00
Mileage	1	total	$ 3,600.00	$ 3,600.00
Supplies & Materials	1	total	$ 24,190.00	$ 24,190.00
Subtotal				**$ 28,040.00**
Task Total				**$ 80,390.00**

Task 5				
Implementation of the Event Plan	**Amount**	**Unit**	**Cost per Unit**	**Total Cost**
Direct Labor				
Cooperative Extension Director	80	hrs	$ 65.00	$ 5,200.00
Program Coordinators	400	hrs	$ 45.00	$ 18,000.00
Volunteers	40	hrs	$ 25.00	$ 1,000.00
Water Provider Volunteers	40	hrs	$ 25.00	$ 1,000.00

Subtotal				**$ 25,200.00**
Other Direct Costs				
Vehicle Use	1	each	$ 250.00	$ 250.00
Subtotal				**$ 250.00**
Task Total				**$ 25,450.00**

Task 6				
Implementation of the Xeriscaping Plan	**Amount**	**Unit**	**60**	**Total Cost**
Direct Labor				
Program Coordinators	281	hrs	$ 45.00	$ 12,645.00
Water Provider Volunteers	94	hrs	$ 25.00	$ 2,350.00
Subtotal				**$ 14,995.00**
Other Direct Costs				
Software	4	each	$ 550.00	$ 2,200.00
Coupons	500	each	$ 10.00	$ 5,000.00
Vehicle Use	1	each	$ 250.00	$ 250.00
Subtotal				**$ 7,450.00**
Task Total				**$ 22,445.00**

Total Match	**$ 150,045.00**

BOR Match				**$ 100,000.00**
Freeport Mac MoRan Match				**$ 10,000.00**
Cooperative Extension Match				**$ 40,045.00**

Total AWPF and Matching Funds	**$ 298,657.80**

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: Gila River Water Conservation Education Program
3. Applicant Name and Address: Gila Watershed Partnership, 711 S. 14th Avenue, Safford, AZ 85546
4. Current Land Owner/Manager(s): n/a - this is a water conservation education program
5. Project Location, including Township, Range, Section: n/a - this is a water conservation education program
6. Total Project Area in Acres (or total miles if trail): 4,703,215
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: n/a - this is a water conservation education program.
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: n/a

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.

[signature] 6/10/08 JAY HOLDER

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. n/a - this is a water conservation education program
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.

Project Site Photographs

Bonita Creek – Location of the pipeline for the municipal water supply

SIGNIFICANCE

To be eligible for the National Register, a property must represent an important part of the history or architecture of an area. The significance of a property is evaluated within its historic context, which are those patterns, themes, or trends in history by which a property occurred or gained importance. Describe the historic and architectural contexts of the property that may make it worthy of preservation.

A. HISTORIC EVENTS/TRENDS – *Describe any historic events/trends associated with the property:* _____

B. PERSONS – *List and describe persons with an important association with the building:* _____

C. ARCHITECTURE – Style: _____ ☐ no style

Stories: _____ ☐ Basement Roof Form: _____

Describe other character-defining features of its massing, size and scale: _____

INTEGRITY

To be eligible for the National Register, a property must have integrity (i.e. it must be able to visually convey its importance). The outline below lists some important aspects of integrity. Fill in the blanks with as detailed a description of the property as possible.

Location - ☐ Original Site ☐ Moved: Date: _____ Original Site: _____

DESIGN

Describe alterations from the original design, including dates: _____

MATERIALS

Describe the materials used in the following elements of the property:

Walls (structure): _____

Walls (sheathing): _____

Windows: _____

Roof: _____

Foundation: _____

SETTING

Describe the natural and/or built environment around the property: _____

How has the environment changed since the property was constructed? _____

WORKMANSHIP

Describe the distinctive elements, if any, of craftsmanship or method of construction: _____

NATIONAL REGISTER STATUS (*if listed, check the appropriate box*)

☐ Individually Listed; ☐ Contributor; ☐ Non-contributor to _____ Historic District

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: _____

Project Timeline

Upper Gila Water Conservation Education Program												
Timeline												
TASK		2009				2010				2011		
1	Implementation Plan											
2	Media Plan											
3	School Education Plan											
4	Water Audit Plan											
5	Event Plan											
6	Xeriscaping Plan											
8	Final Report											

Key Personnel

Jan Holder Ms Holder has over 25 years experience in advertising and marketing prior to joining the Gila Watershed Partnership in 2002. She has written, managed, and administrated over two million dollars in grants over the past ten years. She has eight year of experience in solving environmental challenges throughout the Upper Gila Watershed. She is the Program Manager for The Gila Watershed Partnership, which is the oldest watershed group in Arizona. Ms. Holder will be administrating the grant, writing the grant reports, and supplying oversight to the program.

William Brandau Mr. Brandau has recently been hired the University of Arizona Graham County Extension Director and Area Agent. He recently retired as the Safford Field Manager for the Bureau of Land Management, and has lived and worked in Graham County since 1976.Mr. Brandau is a community leader, who has worked to improve environmental conditions and foster agreements between widely divergent positions. He assisted in the formation of the Gila Watershed Partnership, and has been active in addressing water quality and quantity issues since that time. Mr. Brandau will assist in developing program content, writing the implementation plans, and providing all oversight for the program.

Cindy Pearson Cindy Pearson is the assistant to the University of Arizona Graham County Extension Director. Ms. Pearson will be coordinating the project, assisting in the writing of the implementation plans, writing and editing program materials, coordinating the water audits, and coordinating events.

Amy Herbert Ms. Herbert is the Administrative Assistant, Bookkeeper, and Education Coordinator for the Gila Watershed Partnership. She will be providing administrative assistance, including editing and printing written materials, placing media orders and helping to coordinate the school education for the program. She will also be assisting with the reports.

Project Site Photographs

Bonita Creek -- Location of the pipeline for the municipal water supply

Status of TMDLs in the Upper Gila Watershed

AZ	HASSAYAMPA RIVER AB BLIND CREEK	CADMIUM	JAN-01-2002	EPA APPROVED	UNLISTED BUT IMPAIRED	None Reported	1
AZ	HASSAYAMPA RIVER COPPER	COPPER	JAN-01-2002	EPA APPROVED	COPPER	1998, 1996	1
AZ	HASSAYAMPA RIVER ZINC	ZINC	JAN-01-2002	EPA APPROVED	UNLISTED BUT IMPAIRED	None Reported	1
AZ	LITTLE COLORADO RIVER NUTRIOSO CK TO CARNERO CK	TURBIDITY	JAN-01-2002	EPA APPROVED	TURBIDITY	1998, 1996	1
AZ	LITTLE COLORADO RIVER WATER CYN TO NUTRIOSO CK	TURBIDITY	JAN-01-2002	EPA APPROVED	TURBIDITY	1998	1
AZ	VERDE RIVER (SYCAMORE CREEK) TURBIDITY/SEDIMENT	TURBIDITY	JAN-01-2002	EPA APPROVED	TURBIDITY	1998, 1996	1
AZ	VERDE RIVER AB WEST CLEAR CK	TURBIDITY	JAN-01-2002	EPA APPROVED	UNLISTED BUT IMPAIRED	None Reported	1
AZ	VERDE RIVER ABOVE RAILROAD DRAW	TURBIDITY	JAN-01-2002	EPA APPROVED	UNLISTED BUT IMPAIRED	None Reported	1

EPA's 2002 REPORT ON APPROVED TMDLS FOR THE STATE OF ARIZONA -- note that nothing is approved for the Upper Gila Watershed

The following is copied from the ADEQ "Arizona's 2007 Nonpoint Source Annual Report Nonpoint Source Program - July 1, 2006 to June 30, 2007"

Goal: Develop TMDLs for 303(d) listed waterbodies.
Milestone & Progress Summary Project or Program Completion
Progress Summary –
The Turkey Creek Copper and Lead TMDLs were submitted to and approved by USEPA Region IX in October 2006. These were the only TMDLs approved by Region IX in FY07. Six other TMDLs are near completion, including the Alamo Lake and Lake Mary Regional mercury TMDLs. These mercury TMDLs have been delayed due to two main issues; adoption of the Implementation Procedures for the Fish Consumption Advisory Program and determining the watershed natural background mercury concentrations. Additional soil sampling is planned on both projects so that the draft TMDLs can be released for public comment and submitted for approval once the implementation procedures have been adopted.

For Pinto Creek, a site specific standard (SSS) for dissolved copper at 42µg/L is being proposed and is hardness independent. The SSS is included in the Triennial Review of Water Quality Standards rules package and final submittal of the TMDL can not occur until the rules are adopted.

Sampling to determine the Mule Gulch SSS has been delayed due to low rainfall amounts over the past year; however, automated equipment has been deployed throughout the watershed in anticipation of the summer monsoon season. Additional automated equipment has also been deployed along Queen Creek to fill data gaps needed for hydrologic modeling efforts to move forward.

Significant progress has been made on the upper Gila River and Parker Canyon Lake TMDL projects. Sampling summer storm runoff will complete the Parker Canyon Lake data needs with sampling along the upper Gila continuing through the fall. New studies include Watson, Lyman, and Crescent lakes, East Verde River, and the lower San Pedro River.

Hold public meetings to involve local and affected stakeholders.
Progress Summary –
Stakeholder meetings were held during the last year for Pinto Creek, Queen Creek, and the upper Gila River.

Receive and evaluate comments.

Progress Summary –
ADEQ received and addressed comments for the Alamo Lake and Turkey Creek TMDLs.

1. Title Page

MATCHING GRANT

Water Conservation Education Program

Graham County Arizona

Notice of Funding Opportunity
08SF320001

University of Arizona
Graham County Cooperative Extension Office
2100 South Bowie Ave
P.O. Box 127
Solomon, AZ 85551

February 2008

FACE SHEET – PAGE ONE

Please note: Questions 1-4 will auto-fill for Grants.gov applicants and are not required for paper applicants.

5. Applicant information

a. Legal Name: **University of Arizona Graham County Cooperative Extension**

b. Address:

Street1: **2100 South Bowie Ave**
Street2: **P.O. Box 127**
City: **Solomon,**
County: **Graham**
State: **AZ**
Province: **N/A**
Country: **USA**
Zip+4/Postal Code: **85551**

c. Web Address: http://

d. Type of Applicant (check one):

- ☐ State Government
- ☐ County Government
- ☐ City or Township Government
- ☐ Special District Government
- ☐ Regional Organization
- ☐ U.S. Territory or Possession
- ☐ Independent School District
- XX Public/State Controlled Institution of Higher Learning
- ☐ Indian/Native American Tribal Government (Federally Recognized)
- ☐ Indian/Native American Tribal Government (Other than Federally Recognized)
- ☐ Indian/Native American Tribally Designated Organization
- ☐ Public/Indian Housing Authority
- ☐ Nonprofit with 501(c)3 IRS Status (Other than Institution of Higher Education)
- ☐ Nonprofit without 501(c)3 IRS Status (Other than Institution of Higher Education)
- ☐ Private Institution of Higher Education
- ☐ Individual
- ☐ For-Profit Organization (Other than Small Business)
- ☐ Small Business
- ☐ Hispanic-serving Institution
- ☐ Historically Black Colleges and Universities (HBCU's)
- ☐ Tribally Controlled Colleges and Universities (TCCUs)
- ☐ Alaska Native and Native Hawaiian Serving Institutions
- ☐ Nondomestic (non-U.S.) Entity
- ☐ Other (specify)

e. Employer/Taxpayer Number (EIN/TIN): 1-86-6004791-a6
f. Organizational DUNS: 80-634-5617

6. Project Information

a. Project Title: **Water Conservation Education Program**

b. Project Description: **Demonstrate and Teach Water Conservation methods to Water Consumers in Graham County**

c. Proposed Project Start Date: 2/18/2008
End Date: 2/18/2010

7. Project Director

a. Social Security Number: **N/A**

b. Prefix: **Mr**
c. First Name: **William (Bill)**
d. Middle name: K
e. Last Name: **Brandau**
f. Suffix:
g. Title: **Graham County Director/Natural Resources Agent**
h. E-mail: wbrandau@cals.arizona.edu
i. Telephone Number: 928-428-2611
j. Fax Number: 928-621-7023

FACE SHEET – PAGE TWO

7. Project Director (continued)

k. Address

Street1: Street2:

City: County:

State: Province: **N/A**

Country: Zip+4/Postal Code:

8. Primary Contact/Grants Administrator

XX☐ Same as Project Director (skip to next item) a. Social Security Number: **N/A**

b. Prefix: c. First Name d. Middle name:

e. Last Name f. Suffix

g. Title: h. E-mail:

i. Telephone Number: j. Fax Number:

k. Address

Street1: Street2:

City: County:

State: Province: **N/A**

Country: Zip+4/Postal Code:

9. Authorized Representative

*By signing the application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001).

**The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the IMLS guidelines for the program to which application is made.

a. ☐ *I Agree

b. Prefix: c. First Name: d. Middle name:

e. Last Name: f. Suffix:

g. Title: h. E-mail:

i. Telephone Number: j. Fax Number:

k. Signature of Authorized Representative: _____

l. Date Signed: _____

Executive Summary:
Graham County has no comprehensive unified program to educate our domestic water users on water conservation. This project would unite all providers of domestic water and other partner under a water conservation program that would educate the consumer and provide positive solutions for water conservation. The providers of water in Graham County, which include the City of Safford, Graham County Utilities Cooperative, Eden and Ash Creek Water Companies, have agreed to participate in and support this program. These providers service approximately 8000 meters and use approximately 6000 acre-feet of water. Gila Watershed Partnership, Town of Thatcher, Graham County, Eastern Arizona College, Graham County Chamber of Commerce have agreed to partner in the effort.

Program Highlights:

1. The program will be name branded to provide a common community wide water conservation effort.
2. The program will provide a coordinated water conservation education program directed at the general population, youth school programs and community organizations. This program will be coordinated with all domestic water providers in the community to provide a common and credible conservation message.
3. The program will include home visits where upon request a trained individual audits a home's water usage and provides to owner a specific list of water conservation steps they could implement.
4. The program will provide planned water conservation events at four major community events to present the program to the community.
5. The program would be available to all water consumers with the exception of those on meters and those that use domestic wells.

WATER CONSERVATION FIELD SERVICES PROGRAM PROJECT BENEFITS

Applicant's Name: University of Arizona Graham County Cooperative Extension
Date January 29, 2008

Please check the appropriate water management benefits for agricultural or urban measures that you anticipate addressing in you proposal. Where available, please provide an estimate of the benefit to units (i.e. Acre Feet, Dollars, and Percentages)

It is essential to establish benefits of the Program. Please help us with your best estimate for each benefit (direct and indirect) that applies.

____Reduces Leaks and Seepage	_____ Acre Feet/Year
____Reduces System Spills	_____ Acre Feet/Year
____Makes More Water Available	_____ Acre Feet/Year
____Reduces Operation Costs	_____ $ /Year
____Reduces Energy Costs	_____ $ /Year
____Reduces Waste Treatment Costs	_____ $ /Year
____Improves Crop Yield	_____ Percent/Year
____Reduces On-Farm Costs	_____ $ /Year
____Reduces Per Capita Use	_____ Gallons/Capita/Day
____Provides Technical Training	_____ # of People
__X__Provides Water Conservation Education	8,782 # of People/Households

_____Improves Water Supply Reliability _____ Frequency (Years)*
* Estimate of how often the improvement will occur (i.e. 1 = each year)

_____Delays Construction of New Supplies _____ Years

_____Reduces Drainage/Erosion _____ Tons

_____Improves Water Quality _____ % reduction of _____

_____Enhances Aquatic/Riparian Habitat Describe: _____

_____Protects/Assists endangered species efforts Describe: _____

OTHER:

Background Data:

Graham County is located in Eastern Arizona, in the Upper Gila Watershed. The primary communities in the county are Safford, Thatcher, Pima, Ft Thomas, Soloman and Bonita. The county is experiencing a rapid growth period and the population is nearing 40,000. There are approximately 47 subdivisions under construction, approved, plated or proposed. The Newport McMoRan mine is nearing completion and starting production. Another factor that will have a major impact on the expected growth is the proposal that is expected to pass this year, which would turn Eastern Arizona into a four-year college. With these factors added to the current population expansion rate, the population is anticipated to reach 100,000 in ten years.

Project/Activities Description & Outcomes:

This program will be a partnership with all domestic water providers in Graham County and University of Arizona Cooperative Extension to implement a Water Wise program in Graham County. The program will be directed at all domestic water consumer in the county.

Year One Program Strategies:

1. We will inform the community of the upcoming program and the benefits through our local newspaper. We will insert three, one eighth-page advertisement. In addition, we will work with the local radio station to produce two public service announcements announcing the program.
2. We will provide education and awareness through inserts in water utility bills to all water metered consumers. There are approximately 9,000 metered water consumers in Graham County. We will produce one insert per quarter, for a total of four inserts per year.
3. We will educate our youth through the schools utilizing the Water Wagon. Through these In-school visits, water conservation materials will be supplied for the students to take home.
4. County Extension staff, our partners (employees of the water providers), and volunteers (200 volunteer hours @ $17.75 per hours for a total of $3,550.00) will participate in four high-visibility events during the year where the water conservation program can be presented, explained and materials provided. These events include the annual Gardening and Landscaping Conference, the Gila Valley Family Festival, Safford City's Harvest Festival, the Project Wet event, and Graham County Fair.
5. In-home visits will be scheduled where "water audits" will be performed. We will provide feedback to the family with recommendations for water-saving measures.

Year Two Program – We will continue the fist year program and add the following:

1. Working with homeowners on planning water efficient homes and xeriscape landscaping that will include both existing homes and new construction.
2. Expanding the water audits to include industrial, commercial, and institutional users.
3. Expansion of the school visits and event education to Greenlee County.

Supplemental Questions

Phoenix Area Office
Notice of Funding Opportunity
Supplemental Information Questionnaire
Fiscal Year 2008

On a separate sheet of paper, please briefly answer all of the following questions that apply **ONLY** to the activity of your proposed grant.

III. Water Management/Conservation Education, Training or Research Activity

1. To which Reclamation project in the PXAO service area do you have a connection? Salt River Project (SRP), Central Arizona Project (CAP)

a) Salt River Project (SRP):

- In 2005, The U.S. Bureau of Reclamation and the Salt River Project partnered on the purchase of property along the Gila River in the Safford area. The land purchase mitigated effects to the endangered Southwestern Willow Flycatcher by the modification and operation of Roosevelt Dam, as specified in the Salt River Project Habitat Conservation Plan. Central Arizona Project (CAP):
- On June 28, 2007 the USFWS issued a Biological Opinion for Restoration of Native Fishes in Lower Bonita Creek and Implementation of a Memorandum of Understanding (MOU) and 10-Year Operation Plan between the Bureau of Land Management (BLM) and the City of Safford. The proposed action also includes maintaining a healthy native fishery in Bonita Creek consistent with existing uses and the BLM's ongoing management of the area within the Gila Box National Riparian Conservation Area and construction of a fish barrier. The Bureau of Reclamation is party to this as the fish barrier is mitigation for the Central Arizona Project. The proposed action also includes water withdrawal by the City of Safford (Safford), which is considered an interrelated action with the BLM action of allowing the delivery of water from Bonita Creek to the City. Safford operates and maintains the Bonita Creek Municipal Water System (Bonita water system) within the BLM Gila Box Riparian National Conservation Area (RNCA). The Bonita water system provides drinking water for Safford and the surrounding communities. Currently, Safford and BLM refer to the 1986 Memorandum of Understanding (MOU) for system management guidelines and actions. Safford and BLM have developed a new MOU, no. AZ-410-0608, and the Bonita Creek Water Production and Delivery System 10-Year Operation and Maintenance Plan (10-year plan) to provide future management (see Appendix in U.S. Bureau of Reclamation 2007a). The MOU allows operation, maintenance, and expansion of the water system to meet full capacity of the Safford water right, to the extent allowed under their right-of-way issued prior to 1976. Currently, Safford is utilizing approximately 60 percent of their water right. The proposed action includes operation, maintenance, and expansion of the Bonita water system within Safford's existing right-of-way under the 10-year operation and maintenance plan. The native fish restoration project cannot occur without Safford's approval, as a substantial portion of lower Bonita Creek flows through Safford lands.
- The Arizona Water Settlements Act, adopted by Congress: finalizes an agreement between the U.S. and Arizona for Central Arizona Project repayment obligations. Settles water disputes between the Gila River Indian Community and all parties (including New Mexico parties); and Settles pending litigation by the Tohono O'odham Nation. Graham County communities are the epicenter of much of the settlement because the Gila River flows through the county. City of Safford is the primary domestic water provider in Graham County and is entitled to 5,300 acre

feet of water from Bonita Creek through the Arizona Water Settlement Act. Community water supplies, agricultural water and industrial water are all part of the settlement. Threatened and Endangered species are located in the watershed of the county. The three primary species are Southwest Willow Flycatcher, Razor Back Sucker, and the Gila Chub. The Gila Chub resided in Bonita Creek and this program should have a positive effect, since the majority of the domestic water in the county comes from Bonita Creek.

2. Why is financial assistance from Reclamation needed to complete this project/activity?
   Even with the rapidly-expanding population, Graham County is still a relatively poor area. The water providers do not have the financial resources necessary for conservation education.
3. What is the need for this education/training activity with relation to good water management, efficient use of water, and water conservation?
   This program is directed at the domestic water consumption. The area's population currently uses 200 gallons of water per capita per day (GPCD). Compared with other communities in Arizona such as Flagstaff, who has a GPCD of 160, Cottonwood, who has a GPCD of 110, Prescott Valley, with a GPCD of 116, or Payson with a GPCD of 86, our community has a high per capita water use rate. Before our population reaches the projected 100,000 mark that we anticipate, we have a window of opportunity to build a partnership within the community that act upon a new water conservation ethic.

   The educational program planned for Graham County will help water consumers learn to conserve water through:
   a. Blue tablets for toilet tanks
   b. Toilet tank flaps
   c. On-site water audit

   Or

   What new research project are you proposing and what immediate water savings will it produce in both the short term and the long term?

4. How do you intended to disseminate your message or findings?
   a. On-site water audits
   b. School Education
   c. Water Conservation Displays
   d. Mailings to utility users
   e. Community Events
   f. Local newspaper, Courier
5. What is the composition and number/size of your target audience?
   City of Safford water meters
   Graham County Utilities water meters
   Eden Water Company
   Ash Creek Water Company
6. Can you measure the impact of your message upon good water management, efficient use of water, and water conservation?
   We plan on utilizing a quantitative sampling to measure our effectiveness, based on measuring the change in behavior of our consumers. We will measure:
   - The GPCD of homes before their water audit and after they implement the recommended changes
   - The GPCD of the average home before and after the program

   Although the overall change may be slight, or may not be measurable at the end of two years, we intend to evaluate the GPCD over time. Even a 1% or 2% lowering of the GPCD will have a major impact over time.
7. Who are the partners in this activity and what is their contribution?

City of Safford water meters
Graham County Utilities water meters
Eden Water Company
Ash Creek Water Company

NEPA Questions

(2) Any endangered or threatened species in the project area?

Threatened and Endangered species are located in the watershed of the county. The three primary species are Southwest Willow Flycatcher, Razor Back Sucker, and the Gila Chub. The Gila Chub resided in Bonita Creek and this program should have a positive effect, since the majority of the domestic water in the county comes from Bonita Creek.

Needs Statement:

Graham County currently has no formal unified program to educate water consumers on conservation. Resources for homeowners and businesses wishing to learn more about water conservation are inadequate. There is no organized resource for dissemination of appropriate information on the subject. Therefore, the Graham County Cooperative Extension and partners' would like to follow the examples of some of our neighboring counties and start a Water Conservation program. The Gila River Water Settlement has been signed and is being implemented in 2008. It is critical that our whole community to be aware and practice water conservation so the water resources are better used.

This program would attempt to unite the whole community around a water conservation ethic. It would be directed at the whole community providing awareness of the issue and need, as well as providing specific measures they can use to conserve water in their homes and businesses. The program would include; general public, schools, homeowners, and businesses by providing resources for those wishing to learn more about and how to implement water conservation.

Measurable Objectives:

1. Number of schools visited and children educated with water wagon
2. Number of events covered
3. Number of adults provided information on water conservation
4. Number of blue tablet provided and response cards returned that report a leak was fixed
5. Number of homes audited
6. Quantitative sampling to measure our effectiveness, based on measuring the change in behavior of our consumers. We will measure both the GPCD of homes before their water audit and after they implement the recommended changes and the GPCD of the average home before and after the program. Although the overall change may be slight, or may not be measurable at the end of two years, we intend to evaluate the GPCD over time. Even a 1% or 2% lowering of the GPCD will have a major impact over time.

Staffing and Personnel:

Staffing for the program will come from existing University of Arizona, Graham County Cooperative Extension staff. The programs will also rely on partnerships with the City of Safford, Graham County Utilities Cooperative, Ash Creek and Eden Water Companies, Gila Watershed Partnership, Graham County Chamber of Commerce, Graham County and Eastern Arizona College and trained volunteers.

BUDGET INFORMATION - Non-Construction

OMB Approval No. 0348-0044

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal e)	Non-Federal (a	Total (g)
1. Managing Water in the West.	#: 08SF320001	$	$	$50,000.00	$	$50,000.00
2.						
3.						
4.						
5. Totals		$	$	$50,000.00	$	$50,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Managing Water in the West (2)		(3)	(4)	
a. Personnel	$15,660.00	$	$	$	$15,660.00
b. Fringe Benefits	6,985.00				6,985.00
c. Travel	1,800.00				1,800.00
d. Equipment					
e. Supplies	14,395.00				14,395.00
f. Contractual					
g. Construction					
h. Other					
i. Total Direct Charges *(sum of 6a-6h)*	39,683.00				39,683.00
j. Indirect Charges	10,317.00				10,317.00
k. TOTALS *(sum of 6i and 6j)*	$50,000.00				$50,000.00
7. Program Income	$	$	$	$	$ 00.0

SECTION C - NON-FEDERAL RESOURCES				
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.Recipient Employee funding	18,214.00	$	$	18,214.00
9.Fringe Benefits	6,726.00			6,726.00
10. Insertion of Education & Outreach Materials in Utility bills: See letters from City of Safford and Graham County Utilities, and others			15,410.00	15,410.00
11. E&O from donation from Freeport McMoRan Inc.			10,000.00	10,000.00
12. TOTAL *(sum of lines 8-11)*	$24,940.00	$	$25,410.00	$50,350.00

SECTION D - FORECASTED CASH NEEDS					
13. Federal	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
	$50,000.00	$	$	$	$
14. Non-Federal	00.0				
15. TOTAL *(sum of lines 13 and 14)*	$50,000.00	$ 00.0	$ 00.0	$ 00.0	$ 00.0

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT				
(a) Grant Program	FUTURE FUNDING PERIODS (Years)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16. Managing Water in the West -- 2008	$50,000.00	$	$	$
17. Managing Water in the West -- 2009		50,000.00		
18.				
19.				
20. TOTAL *(sum of lines 16-19)*	$50,000.00	$50,000.00	$ 00.0	$ 00.0

SECTION F - OTHER BUDGET INFORMATION	
21.. Indirect Charges:	22. Indirect Charges: at 26% equals $10,317.00 for 2008
23. Remarks:	

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GRAHAM COUNTY BOARD OF SUPERVISORS
921 THATCHER BOULEVARD · SAFFORD, ARIZONA 85546
PHONE: (928) 428-3250 · FAX: (928) 428-5951

James A. Palmer, Chairman
Mark C. Herrington, Member
Drew John, Member

TERRY COOPER, COUNTY MANAGER/CLERK

June 3, 2008

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

Dear Representatives of the Arizona Water Protection Fund:

We are writing this letter to express our support for the Gila Watershed Partnership and their application for grant funding for the Gila River Water Conservation Education Program. This program is important to our area as we take our water directly from the Gila River and its tributaries. The increasing pressures upon our water supply, from the new mine, the increased population, and the Gila River Indian Water Right Settlement makes it critical that we protect our riparian areas by reducing our water consumption.

We support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner. These efforts will protect the health of our riparian areas, which will have lifelong benefits for all of us.

Thank you for your consideration in this matter.

Sincerely,

James A Palmer

Chairman Graham County Board of Supervisors

Thatcher
HOME OF EASTERN ARIZONA COLLEGE

PO BOX 670
3700 W. MAIN STREET
THATCHER, ARIZONA 85552

Office 928-428-2290
Fax 928-428-7061

Web Site: thatcheraz.com

TOWN COUNCIL
Robert Rivera, Mayor
William Mulleneaux, Vice Mayor
Douglas Hoopes
Eric Merriman
Charles Morris
Donald Innes
Kenneth Larson

Terry Hinton, Town Manager

June 3, 2008

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

Dear Representatives of the Arizona Water Protection Fund:

We are writing this letter to express our support for the Gila Watershed Partnership and their application for grant funding for the Gila River Water Conservation Education Program. This program is important to our area as we take our water directly from the Gila River and its tributaries. The increasing pressures upon our water supply, from the new mine, the increased population, and the Gila River Indian Water Right Settlement makes it critical that we protect our riparian areas by reducing our water consumption.

We support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner. These efforts will protect the health of our riparian areas, which will have lifelong benefits for all of us.

Thank you for your consideration in this matter.

Sincerely,

Terry Hinton

Terry Hinton
Town Manager

MT. GRAHAM REGIONAL MEDICAL CENTER

TOGETHER FOR HEALTH

June 3, 2008

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

Dear Representatives of the Arizona Water Protection Fund:

We are writing this letter to express our support for the Gila Watershed Partnership and their application for grant funding for the Gila River Water Conservation Education Program. This program is important to our area as we take our water directly from the Gila River and its tributaries. The increasing pressures upon our water supply, from the new mine, the increased population, and the Gila River Indian Water Right Settlement makes it critical that we protect our riparian areas by reducing our water consumption.

We support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner. These efforts will protect the health of our riparian areas, which will have lifelong benefits for all of us.

Thank you for your consideration in this matter.

Sincerely,

Patrick J. Peters
President & CEO

1600 20th Avenue • Safford, Arizona 85546 • (928) 348-4000 • Fax (928) 348-5701 • www.mtgraham.org

GRAHAM COUNTY ELECTRIC COOPERATIVE, INC.
GRAHAM COUNTY UTILITIES, INC.
P.O. Drawer B
Pima, Arizona 85543

Serving The Beautiful Gila Valley
In Southeastern Arizona

Telephone (928) 485-2451
Fax (928) 485-9491

June 3, 2008

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

Dear Representatives of the Arizona Water Protection Fund:

We are writing this letter to express our support for the Gila Watershed Partnership and their application for grant funding for the Gila River Water Conservation Education Program. This program is important to our area as we take our water directly from the Gila River and its tributaries. The increasing pressures upon our water supply from the new mine, the increased population, and the Gila River Indian Water Right Settlement makes it critical that we protect our riparian areas by reducing our water consumption.

We support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner. These efforts will protect the health of our riparian areas, which will have lifelong benefits for all of us.

Thank you for your consideration in this matter.

Sincerely,

Steve Lines

Steve Lines
General Manager
Graham County Electric Cooperative, Inc.
Graham County Utilities, Inc.

THE UNIVERSITY OF ARIZONA.

Water Resources Research Center
Agriculture and Life Sciences

350 N Campbell Ave.
P.O. Box 210437
Tucson, AZ 85721
(520)792-9591
Fax: (520)792-9591
http://cals.arizona.edu/AZWATER

ARIZONA COOPERATIVE EXTENSION

June 4, 2008

Arizona Department of Environmental Quality
319 Grant Program
1110 W. Washington Street
Phoenix, AZ 85007

RE: *Gila River Water Conservation Education Grant*

I am writing this letter to express my support for the Gila Watershed Partnership and their application for grant funding for the *Gila River Water Conservation Education Grant*. The project will implement a much needed comprehensive water education program in Graham and Greenlee Counties, and reduce GPCD in those counties. Arizona NEMO supports the goals of this project because it is consistent with the program objectives of our educational outreach to watershed groups across the State, but, more importantly, will educate the community on the link between water quality and watershed health. In addition, this project will improve and restore the health of this watershed, which will have lifelong benefits for all of us.

Arizona NEMO [Nonpoint Education for Municipal Officials] is tasked with educating land-use decision makers to make voluntary actions that will mitigate water pollution. NEMO is a non-regulatory, research-based educational program using geospatial information and other advanced technologies for outreach education, analysis, and research addressing water quality and sustainability concerns in Arizona.

NEMO looks forward to collaborating with the Gila Watershed Partnership and will provide access to watershed planning tools, GIS maps, and outreach support, consistent with our Watershed Plan outreach. Please contact me if you have any questions or if you are in need of additional information.

Sincerely,

Terry Sprouse
www.ArizonaNEMO.org

City of Safford
A great place to live, work, and visit

June 3, 2008

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

Dear Representatives of the Arizona Water Protection Fund:

The City of Safford is the largest provider of water in the Gila Valley and we are members and supporters of the Gila Watershed Partnership. I am writing this letter to express our continuing support for the Gila Watershed Partnership and their application for grant funding for the Gila River Water Conservation Education Program. This program is important to our area as we take the majority of our water directly from the Gila River and its tributaries. The increasing pressures upon our water supply, from the new mine, the increased population, and the Gila River Indian Water Right Settlement makes it critical that we protect our riparian areas by reducing our water consumption.

The City of Safford supports their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner. These efforts will protect the health of our riparian areas, which will have lifelong benefits for all of us.

Thank you for your consideration in this matter.

Sincerely,

Jay W. Howe

Jay W. Howe
City of Safford
Utilities Director

Desert Fishes Council
Consejo de los Peces del Desierto
Dedicated to the Conservation of North America's Arid Land Ecosystems

June 5, 2008

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

Re: Gila River Watershed Partnership Funding Application

Dear Administrators of the Arizona Water Protection Fund:

The Desert Fishes Council is an international group of university researchers, governmental agency scientists and resource managers, and members of private organizations dedicated to the conservation of North America's arid land ecosystems. As such, we share the many expressed concerns relating to water use in areas such as the Gila River drainage.

We are keenly aware of the demands on our water resources brought about by burgeoning human populations in the American Southwest and Northern Mexico. Perhaps the most efficient way to address this problem is through education of residents within the areas of use and demand. Consequently, we strongly support the grant application of the Gila River Conservation Education Program. The public must be made fully aware that each time they turn on a tap in their homes and businesses they are depleting a natural stream or aquifer that supplies the life requirements of plants, animals, riparian areas and all life forms therein.

Please consider the grant request thoughtfully and thoroughly. Doing so is surely in the best interests of the Gila River and the State of Arizona.

Sincerely,

Edwin P. Pister
Executive Secretary

P.O. Box 337 • Bishop, CA 93515-0337 • (760) 872-8751 Voice & Fax
E-mail: dfc@desertfishes.org • www.desertfishes.org

Charlie Ester
Water Resource Operations
P.O. Box 52025-2025, PAB 120
Phoenix, AZ 85072-2025
E-mail: ceester@srpnet.com

June 9, 2008

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 Gila River Water Conservation Education Program. This program is important to our area as we take our water directly from the Gila River and its tributaries. The increasing pressures upon our water supply, from the new mine, the increased population, and the Gila River Indian Water Right Settlement makes it critical that we protect our riparian areas by reducing our water consumption.

I support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner. These efforts will protect the health of our riparian areas, which will have lifelong benefits for all of us.

Thank you for your consideration in this matter.

Sincerely,

Charles Ester

Charles Ester
Manager
Water Resource Operations
Salt River Project

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

June 10, 2008

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

Dear Representatives of the Arizona Water Protection Fund:

I am writing this letter in support for the Gila Watershed Partnership (GWP) and their application for grant funding for the Gila River Water Conservation Education Program. This program is important to the Upper Gila River in Graham and Greenlee Counties, as our water come from the Gila River and its tributaries.

The pressures upon our water supply from the increased population, rapid increase in subdivisions, new industry and expansion of old industry and the Gila River Indian Water Right Settlement makes it critical that we conserve and protect our water supplies and all the associated benefits of a sustainable water supply.

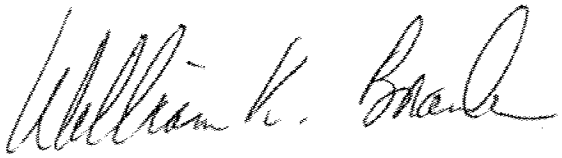
The Gila River and it tributaries represent some of the most important riparian areas in Arizona. The Gila Box National Riparian Conservation Area is within both counties. Bonita Creek an Arizona designated Unique Water is in Graham County. It is important that both of these riparian systems and all their associated values be maintained. A water conservation program will help in that effort.

Water conservation has been identified as part of my program needs assessment in Graham and Greenlee counties. There has not been comprehensive continuous water conservation program in either county with the goal of changing our conservation ethic and reducing our water consumption. I have applied for a water conservation grant through the Bureau of Reclamation. I have not received written confirmation of approval. My grant coupled with this funding if approved will be the beginnings of a sustainable program that has wide support in both Counties.

I support GWP's efforts to secure these grant funds and I will be a primary contributor to the match for this grant. I am confident that funds will be used in a very worthwhile and efficient manner. This effort will conserve our water supply while protecting the health of our riparian areas, which will have lasting benefits for all of us.

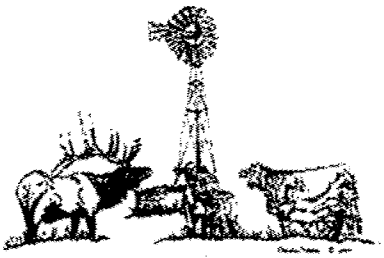
Thank you for your consideration in this matter.

Sincerely,



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

UPPER EAGLE CREEK WATERSHED ASSOCIATION



June 10, 2008

Chase Caldwell
President

Nick Ewing
Vice President

Darcy Ely
Secretary

Shirley Winkle
Treasurer

Gary Ely

Pamela Ewing

Twig Winkle

Executive Director
Carol Hayes

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 Gila River Water Conservation Education Program. This program is important to our area as we take our water directly from the Gila River and its tributaries. The increasing pressures upon our water supply, from the new mine, the increased population, and the Gila River Indiana Water Right Settlement makes it critical that we protect our riparian areas by reducing our water consumption.

I support their efforts to secure these grant funds, and are confident that they will be used in a very worthwhile and efficient manner. These efforts will protect the health of our riparian areas, which will have lifelong benefits for all of us.

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

RIGHT OF WAY DEED

STATE OF ARIZONA, }
} ss.
COUNTY OF GREENLEE. }

Before me, _____ a Notary Public in and for the County of Greenlee State of Arizona, on this day personally appeared B. F. Billingsley and Eleanor A. C. Billingsley known to me to be the persons whose names __ subscribed to the foregoing instrument, and acknowledged to me that they executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this 10 day of March, A. D. 1934.

J. T. Dees,
Notary Public.

(Notarial Seal)
My commission expires Jan. 14, 1937.

Filed for record at request of Mrs. Carlie A. Day, March 26th, 1934, at 1 P. M.

Mrs. Boyd W. Shannon
County Recorder.

RIGHT OF WAY DEED

This deed made this 30th day of January, 1934, between Mrs. Elizabeth S, DeMoss, of Lordsburg, New Mexico, grantor, and the United States of A merica, grantee,

WITNESSETH: That for and in consideration of the construction by grantee of the hereinafter mentioned highway, grantor does hereby grant, bargain, sell, convey and confirm unto the United States of America, its successors and assigns, an easement and right of way in gross over the following tract, lot, piece or parcel of land, situated, lying and being in the County of Greenlee, State of A rizona, and bounded and partifularly descrived as follows: N.E 1/4 of the SW 1/4, SE 1/4 of the NW 1/4, SW 1/4 of the NE 1/4, NW 1/4 of the NE 1/4, NE 1/4 of the NW 1/4 of Section 19, Twp. 1 N. Range 28 E. G.&.S.R.B. & M., said property being included in the lands being known as the P Bar Ranch.

The said right of way hereby granted is for the maintenance, and full free and quiet use and enjoyment by the United States of America for any and all purposes by it desired or deemed necessary or beneficial for on in connection with the control, administration, or use of the National Forests, or the resources thereof, and so far as may be with that enjoyment compatible, by the general public as a public highway, of a certain road or way, being 66 feet in width, traversing the above described premises.

This grant shall be effective only so long as said easement shall be actually used as a highway and all rights hereunder shall revert to grantor as soon as the said use thereof shall be abandoned and discontinued.

The grantee shall at all reasonable times have the right to enter for the purpose of constructing, repairing, and patrolling said right of way, doing as little damage as possible.

IN WITNESS WHEREOF, the grantor has hereunto subscribed her name and affixed her seal, the day and year first above written.

Signed, sealed and delivered in the presence of _____

Mrs. E. S. DeMoss, (Seal)
Ed Ellis (Seal)