

### **Final Application**

Type of Application

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

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

Project Titl	le	Upper Little Colorado River - Water Quality Improvement Project								
Project Description		Watershed area conservation project addressing water quality of the Upper Little Colorado River (ULCR) - an impaired water and ADEQ targeted watershed and its four(4) respective 10-digit sub-watersheds; Canero Creek-Little Colorado River (HUC 1502000104), Coyote Creek (HUC 1502000103), Nutrioso Creek (HUC 150200101), South Fork Little Colorado River-Little Colorado River (HUC 1502000102).  Specifically engaging landowners, managers, lessees and permittees within these watersheds in implementing conservation and rangeland health practices in order to significantly reduce over land flow and improve water infiltration to reduce soil erosion, turbidity and nutrient loading within the Little Colorado River watershed as well as sedimentation and nutrient loading of Lyman Lake. As a result of this project and in concert with ADEQ goals, the Upper Little Colorado River will be one step closer to being a waterway free of impairment and removed from the 303d list of impaired waterways.								
Authorizin	g Agency-	Name of agency/c	ompany/person/trib	oal authority who is app	lying for the grant.					
Name	Apache N	latural Resource Co	onservation District (	(ANRCD)						
Address	PO Box 3	29	19							
City	Springer	ville	State AZ	Zip Code 85938						
<b>uthorized</b> nust sign th			o will accept respon	sibility for the terms an	d conditions of the	Grant Agreemen	t. This person			
ast Name	Knight		FI	rst Name Daric		Initial	G			
itle	Chairman	1	Phone Number	+1 (928) 521-9897	Fax Number	+1 (928) 333-	2703			
-mail	dknight1	00@hotmail.com								
roject Ma	nager- Per	son who will have	the day-to-day know	ledge of the projects a	nd should be conta	cted if clarificatio	n is required.			
ast Name	Knight	First Name Daric Initial G								
	Chairman		Phone Number	+1 (928) 521-9897	Fax Number	+1 (928) 333-	2703			
	dknight1									

Project Period	C	0-1 year	6	2 years		
It is ADEQ's prefe awards are made	rence to a	award WIP in th will not ta	nplemen ke great	ntation projects that we er than one year to co	will be prepared to initiat omplete. If more than 1 y	e implementation activities shortly after year is needed, please provide justification.
are multiple per may lead to long	engineeri mits and/ ger projec	ng on large t or consultat tt completion	racts of ions that n times.	multi-jurisdictional la t must be obtained b	ands can often times take efore certain conservatio	ds, State owned lands, and Federal Land. longer than anticipated. Many times there in practises my be initiated. This in result from any public procurement activity?
C Yes @	No					
Project Costs						
Total	al Project	Cost			\$500,000.00	Maximum possible values
Fun	ds Reque	sted (max 60	% of tot	tal project cost)	\$300,000.00	\$300,000,00
Mat	ching Fu	nds (min. 409	% of tota	of project cost)	\$200,000.00	\$200,000.00

#### **Final Application Content**

#### **I. Desired Outcomes**

Describe the desired outcomes of this project

ultimate objective of this project is to reduce impairment of the Upper Little Colorado River. This will be accomplished through reased infiltration of over land flow, thus resulting in healthier upper range lands, less soil erosion, lower turbidity and nutrient loading f the Little Colorado River and less sedimentation and nutrient loading of Lyman Lake Reservoir.

of the Little Color	ado River and less sedimentation and nutrient l	oading of Lyman Lake Reservoir.	
II. Pollutant(s of C			
a. Select the poll	utant(s) of concern that this project will address.		
Primary Pollutant	Turbidity	Secondary Pollutant if any	lutrients
Other			
b. Will this projec	t be able to provide load reduction data?		
€ Yes C	No		
c. Provide estima	ated load reductions for projects.		
SEE ATTACHMEN	Т1		
III. Location and L	and Ownership		
City/Town	Apache Natural Resource District	County Apache	
Land Ownership	Multi-jurisdictional mixture of Private, State,	and Federal lands	
Provide Latitude a	nd Longitude for the main location of the project	ct	
Latitude	Longitude		
ackground Ir	formation		

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

The ULCR and its surrounding watersheds have long been blamed for the impairment of Lyman Lake Reservoir. Much work has been done over the years to help address these problems with positive results, however much is still to be accomplished.

Nutrioso Creek has had multiple successive projects implemented on it which has effectively removed it from the 303d list of impaired waterways.

Coyote Creek has been the focus of several projects beginning in the early 1980's and was the focus of a WQIG which completed last year. Coyote Creek also continues to be the focus watershed of the ANRCD. The Coyote Creek watershed is also the focal point of imminent gas production which could have a significant impact on erosion and turbidity within the watershed.

The Canero Creek watershed has had the least amount of work initiated in it with the exception of small amounts of brush work and limited grazing management practices.

South Fork-Little Colorado River watershed has been through fairly substantial brush management treatments on both State and Federal lands and also had private land brush treatments and grazing management practices implemented through various programs.

Through all the different efforts in working on the ULCR Watershed, it still remains an impaired water and is listed on the 303d list. It is improving and moving towards a healthier watershed, but much is still needed to reach our mutual goal of removing it from the impaired waters list.

#### V. Scope and Scale of Watershed

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

The project will encompass four 10 digit watersheds within the ULCR; Canero Creek, South Fork LCR, Nutrioso Creek, and Coyote Creek. Each of these watersheds impact the Little Colorado River, an impaired water. see attached map

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

Upper Little Colorado River - (HUC 15020001, Headwaters - Little Colorado River) see attached map

Vhat water body is being impacted by this nonpoint source issue?

Upper Little Colorado River, Lyman Lake Reservoir

d. Is this water body identified as impaired based on ADEQ's 2010 Status of Ambient Surface Water Quality in Arizona – Arizona's Integrated 305(b) Assessment and 303(d) Listing Report? Both reports can be found at <a href="https://www.azdeq.gov/environ/water/assessment/assess.html">www.azdeq.gov/environ/water/assessment/assess.html</a>

€ Yes € No

#### VI Scope of Work

a. Briefly describe the overall approach that will be taken to complete this project.

The ANRCD will meet with its cooperators, land managers and other land owners within the ULCR watershed to propose and implement conservation practices on lands under their control and management. These different individual conservation projects will include practices that will directly affect sediment and nutrients from getting into the LCR. These practices may include, but are not limited to: sediment basin repair, gully plugs, water spreaders, stream bank stabilization, grazing management, fencing, water developments, waterway access treatments, seeding, proper roadway drainage, and any other natural resource conservation practices that may be deemed prudent by professional technical advice.

b. What permits, if any, will need to be obtained in order to complete this project? Consider the need for Army Corps of Engineers 404 Permits and 401 Clearances for in-stream activities, Construction General Permit coverage for projects impacting an area greater than one acre, etc.

Permitting needs will be assessed by land jurisdiction. There is possibility of SHPO clearance and archeological surveys, State Land Improvement Permits, Section 7 Consultation, as well as possible 404 and 401 permits for channel work in waterways. All permitting will be on a case by case and project by project basis.

#### VII. Methods

Does this project propose activities that are specifically recommended by a WIP? If so, please identify the plan and recommendations. Be sure to include page numbers where applicable.

This project is not located within an officially recognized WIP, however; progress is being made on obtaining one. This project is located within an ADEQ identified impaired watershed and continues to work within an unofficial watershed plan that is currently in place. It is recognized that it will take continual work in order to eventually remove this watershed from the impaired list.

- b. If your location is not directly identified in a watershed plan, describe the methods that will be used to survey the watershed to determine critical sites for implementation. Include methods for:
  - Preliminary field modeling.
  - Actual physical surveys
  - Social/educational needs surveys
  - Pre- and post-implementation monitoring
  - Data analysis

n/a... Project is located in an identified ADEQ impaired watershed and is currently working under a watershed plan that highlights the LCR and its impairment.

c. What BMPs are likely to be used in the implementation portion of the project, and what criteria will be used to determine their locations and design specifications? What evidence supports the use of these BMPs?

Practices used in this project will be of sound science and on the advice of professional technical advisors. Advisment will be obtained from NRCS as well as professional engineering firms specializing in stream restoration and stabilization. For permitting purposes, many PMPs may be required to be approved to NRCS standards.

ife Epexctancy of BMPs: Identify the life expectancy of any BMPs implementd.

Life expectancy of BMPs would follow that of NRCS approved conservation practices.

Grant Reporting BMPs: select the BMPs that best describe your project

BMP 1	Sediment Basin	
BMP 2	Stream Channel Stabilization	
BMP 3	Prescribed Grazing	
Additional BMPs	Brush management and various others applicable to this project	
Long-term Mai	ntenance: Identify who will be responsible for the long-term maintenance of BMPs.	
Manager of the la	nds in which BMP is located shall be responsible for the applicable life expectancy.	

#### VIII. Education and Outreach

Describe the education and outreach component of this project. How will the public be educated about nonpoint source pollution? What are the desired outcomes and behavioral changes associated with education and outreach? How will this component of the project be measured for effectiveness?

The ANRCD will submit newspaper articles highlighting the project and the effects it is having on water quality in the LCR watershed and Lyman Lake. ANRCD will also build a power point presentation that will be available through our Environmental Education Center and highlight our accomplishments with that presentation in any public engagements in which we are involved. ANRCD will also initiate a web page that will incorporate the power point and also highlight and continually promote conservation and clean watersheds.

#### IX. Community Involvement

How will the community be involved in each of the major aspects of the project? Who makes up the community (who are the landowners/managers and other stakeholders)? Explain how they will be brought into the process and how they will participate in each of the methods identified in Part IV above.

The involved community will be made up of the private land owners and lessees of the different jurisdictional lands within the watershed. A large portion of the lands are owned by the State of Arizona and are administered by the Arizona State Land Department. Thus, the state land lessees will be a major stakeholder in this project as well as the State Land Department. Likewise, much of the work ich may take place closer to the river channel will be on privately owned or agency owned lands and those entities will be brought the mix independently as well. Any work which may be accomplished on either USDA Forest Service or BLM managed ground will require their engagement as well as the permittee. Any land owner which may have a vested interest in the actual "on the ground" project will be encouraged to investigate a potential project within this grant. Apache County facilitates hazardous fuels reduction programs and one significant result of forest thinning is watershed improvement. Apache County will help bring projects to the district through its stewardship plan activities with private property owners within the listed watersheds.

The ANRCD will actively solicit participation and promote the program through radio announcements, newspaper announcements, direct calls, and personal contact. It is our hope that there will be competition to be involved in this project. The ANRCD will give preference to interested participants who will be addressing upland watershed and upland range health.

#### X. Key Personnel & Partnerships

Describe the organization that is requesting funds as well as the key personnel and their expertise. Identify all partners including watershed groups, agencies, tribes, etc. and the duties they will be performing. Be sure to include personnel handling the following project aspects at a minimum:

a. <u>Project manager</u> (Responsible for making sure that the project is progressing in accordance with the approved scope of work and milestones, submitting quarterly and final reporting as well as budget and reimbursement request documents to ADEQ, providing additional load reduction and project information upon request, and serving as the day-to-day contact person regarding the project)

Daric Knight, Apache Natural Resource Conservation District Chairman

Technical expertise (Responsibilities may include BMP design and site evaluation, BMP implementation, volunteer coordination, monitoring, ...)

Technical expertise will be sought from various individuals and entities including but not limited to:

Natural Channel Design, Flagstaff AZ, USDA NRCS, Dr. Lamar Smith Cascabel Range Consultant SRM Certified Range Specialist #0027, Steve Barker range consultant, George Rulye, PhD University of Arizona, Walt Meyer, PhD range consultant

#### Qualifications

f individuals have not yet been identified to fill these positions, what qualifications will be used to determine who will fulfill these duties?

Professional Range Management credentials, Professional Erosion/Sedimentation and Stream Design Engineering firm.

#### XI. Conflict of Interest

What steps will be taken to ensure that hiring/personnel selection practices are carried out without the existence or appearance of bias? Provide a statement of policy for hiring if possible.

ANRCD is a subdivision of AZ State Government. We are administered through the Arizona State Land Department and are required bllow their policy and procedures in hiring and contracting.

#### XII. Smart Growth Scorecard

Is there a completed Smart Growth Scorecard for the municipality in which the project will take place? If so, please identify the community and Scorecard score below. If multiple completed Scorecards apply, the applicant may select the Scorecard with the highest score. The Smart Growth Scorecard information can be obtained at:

wwwa.azdot.gov/Scorecard/PublicScoreCard.aspx

N/A Apache County has not completed a Smart Growth Scorecard

#### XIII. Work Plan Steps and Milestones

Develop a work plan with a series of steps and associated dates that are necessary to complete the plans. Each step must have a milestone that provides a description of what will be accomplished. A form is provided below. Pre-defined work plan steps identified in the form are mandatory and must be addressed.

Work Plan Step	Milestone	Date to Complete	Grant Funds	Match Funds	Total
Execute contract with ADEQ	Signed contract	Aug 1, 2014	0	0	0
Execute contract with professional Engineering firm	Signed contract	Aug 29, 2014	1,000	250	1,250
<ol><li>Execute contract with Rangeland/Watershed consultant</li></ol>	Signed contract	Aug 29, 2014	1,000	250	1,250
<ol> <li>Public outreach and advertising for project participation to landowners, lessees, permitees and other stake holders</li> </ol>	Completed listing of all interested parties and their contact information	Sep 29, 2014	5,000	500	5,500
5. Final information session to get a concrete commitment to proceed with project	Finalized list of active participants and summary of each project.	Oct 20, 2014	5,000	500	5,500
<ol><li>Initiate analysis of projects and review permitting needs</li></ol>	Final review and consultation with watershed/rangeland consultant	Nov 14, 2014	5,000	2,000	7,000
<ol><li>Initiate project(s) engineering and design</li></ol>	Signed project engineering plans	Feb 2, 2015	100,000	4,500	104,500
<ol> <li>Initiate project construction including permitting, contracting and consulting.</li> </ol>	Signed project construction plans and instructions received by applicants	May 31, 2016	180,000	188,000	368,000
Initiate website for ANRCD outlining our different partnerships and conservation programs and efforts	Up and running website for ANRCD	Sep 1, 2014	3,000	500	3,500
<ol> <li>Conduct completed project tour to gather information and pictures for final reporting and documentation</li> </ol>	Newspaper story highlighting the conservation project completed with ADEQ funding and ANRCD leadership. A finalized power point presentation available and uploaded to the ANRCD web page	Jul 15, 2016	0	3,500	3,500

. Budget Narrative

Identify how costs were determined, including comparative quotes used to determine costs or worth where applicable as well as sources of all project match (funding and in-kind). Adequate justification should be provided to show that the cost of implementing the project is reasonable for the benefits anticipated toward improving water quality.

Costs for this WQIG were estimated as follows:

1. The project area is made up of four (4) 10 - digit sub-watersheds with in the Upper Little Colorado River watershed. Travel to extential project sites will be extensive and time consuming. Travel reimbursement allowed by the IRS is 55 cents per mile.

In surveying various watershed and rangeland management consulting companies, it has been found that costs vary from \$90 to \$125 per hour including travel and per diem.

- 3. In a survey of Professional Engineering firms, costs vary from \$115 to \$150 per hour including travel and per diem.
- Costs for volunteer and participation by interested parties has been valued at \$25 per hour with log-in sheets and attendance recorded.
- 5. On tours and in longer meetings, refreshments will be available for the comfort of attendees.
- A certain amount of technical equipment above what is already existing within ANRCD will be needed. ie. working projector, paper, printer ink, laptop computer, GPS ect.
- 7. Under some circumstances, participant personal time, money and equipment will be used in completing this project.
- Project success will rely on various County, State, and Federal Agencies and their in-kind contributions for training, advising, meeting rooms and other invaluable assets and expertise.
- 9. The ANRCD has a small but very limited equipment inventory for watershed related construction projects.
- 10. The ANRCD runs on a minuet budget and relies heavily on it board of supervisors who are unpaid to accomplish much of their work.

#### XV. Budget Form

Develop a budget based on the anticipated costs for completing the project within the proposed time schedule. The budget in can be downloaded at: <a href="https://www.azdeq.gov/environ/water/watershed/download/budget.xls">www.azdeq.gov/environ/water/watershed/download/budget.xls</a>. Be sure to attach your budget to your final application submission.

DK	Initials

#### XVI. SHPO Form

Any ADEQ action, including grant projects paid in-part with ADEQ funds, on state, federal, or private lands that may impact historic properties (i.e., any prehistoric or historic-period district, site, building, structure, or object included in, or eligible for inclusion in the State Register of Historic Places) require consultation with the State Historic Preservation Office (SHPO) pursuant to the State Historic Preservation Act (ARS 41-861 to 864).

In order to make informed decisions and facilitate consultation with SHPO, ADEQ requires applicants to provide the project related information requested in the SHPO form. Please complete the information requested in the SHPO form and submit with your final application. The SHPO form can be downloaded from the ADEQ website at: <a href="www.azdeq.gov/environ/water/">www.azdeq.gov/environ/water/</a> watershed/improvement.html

	7
DK	Initials

#### XVII. Abbreviated Monitoring Plan

If water quality data are to be collected and interpreted to determine effectiveness, a "sample analysis and quality assurance plan" (SAP/QAP) must be developed in accordance with state guidelines. Additional information for developing the abbreviated monitoring plan can be found in the Water Quality Improvement Grant Manual for Cycle 15.

DK	Initials		
Print F	orm		

### **Authority Signature Page**

undersigned hereby offers and agrees to perform in compliance with all terms, conditions, specifications, and scope in this grant lication. Signature certifies understanding and compliance with the application attached hereto. ADEQ may approve the grant application and modifications to scope, methodology, and schedule, final projects, and/or budget.

Authorized Signature:

Date:

6/5/2014

Printed Name:

### **Attachment 1**

There is no way to estimate load reduction, although it is very logical to expect that the activities proposed will have an impact in decreasing nutrient load and turbidity. Sediment load and turbidity are constantly changing by location and timing of weather events. Quality is heavily influenced by acts of nature such as rain water runoff and post wildfire events. Collection of data before and after projects will substantiate the expectations.

#### Abbreviated Monitoring Plan

#### 1- Background and monitoring objectives

- A- Pollutants of concern are: overland flow of turbidity and sedimentation as well as nutrient loading in the Little Colorado River and Lyman Lake.
- B- Monitoring should be able to demonstrate health and an upward trend.
- C- General method of data analysis will be dated to photo comparisons at specific GPS coordinates.

#### 2- Photo Sites

- A- Photos will be taken of before and after practice implementation sites.
- B- Photos will be taken at established historical photo plots within the project area.

#### 3 Schedule

- A- Historic dated photos will be referenced.
- B- Before and after photos of the project will be taken.
- C- Water sampling may be conducted by ADEQ personnel in years following conclusion of finished project

#### 4 Protocols, Equipment and Training

- A- GPS equipment will be utilized in locating recorded historical photo plots.
- B- Digital photos will be archived for all current monitoring plots and practices.
- C- Many photo plots exist throughout the project area and are archived within NRCS cooperator files.

### ADEQ Project Budget

	ADEQ Grant Award #	]	Project Title:	ULCR- Wate	r Quality Imp	rovement Project
	Time Period From:	08/01/14	To:	07/15/16		
Line Item #	Grant Expenditures	- C	Prior Expenditures		Cumulative Expenditure s	_
Admin. Costs (10% Max)						
Apache NRCD	Apache NRCD Administrative staff	\$20,500.00			\$0.00	\$20,500.00
SUB TOTAL		\$20,500.00			\$0.00	\$20,500.00
Personnel		\$20,500.00				\$20,500.00
Project Management	Salaries	\$50,000.00			\$0.00	\$50,000.00
Project engineering/design	project construction, plans & specs	\$81,500.00				\$81,500.00
SUB TOTAL	Natural Channel Design	\$131,500.00				\$131,500.00
Direct Costs						
Equipment	lap top computer, wireless air card	\$2,500.00			\$0.00	\$2,500.00
Supplies	misc. office supplies, postage	\$1,000.00			\$0.00	\$1,000.00
Project contruction	permitting, equipment, supplies	\$130,000.00			\$0.00	\$130,000.00
Construction Supervision	Natural Channel Design	\$10,000.00				\$10,000.00
SUB TOTAL		\$143,500.00				\$143,500.00
Education and Outreach						
Advertising	radio, newspaper ads, direct contact w/ participants and stakeholders	\$1,000.00				\$1,000.00
Travel	site tours w/potential participants	\$1,500.00				\$1,500.00
Web page	site building and assoc. fees	\$2,000.00				\$2,000.00
SUB TOTAL	Totals	\$4,500.00			\$0.00	\$4,500.00
	Sub-Total Grants	\$300,000.00	\$0.00	\$0.00	\$0.00	\$300,000.00
	Verify Totals (This number		-	_	-	\$300,000.00
	Totals	Original Budget	Prior Expenditures	Current Expenditure s	Cumulative Expenditure s	· ·
	Sub-Total Match	\$200,000.00	\$0.00	\$0.00	\$0.00	\$200,000.00
	Grand Total	\$500,000.00	\$0.00	\$0.00	\$0.00	\$500,000.00

	А	В	С	D	Е	F	G	
			Original	Prior	Current	Cumulative	Budget	
			Budget	Expenditure	Expenditure	Expenditure	Remaining	
1	Line Item #	Match Expenditures		s	s	s		
2	Admin. Costs (10% Max)							
3	Apache NRCD	Administrative staff	\$10,000.00			\$0.00	\$10,000.00	
4	SUB TOTAL		\$10,000.00			\$0.00	\$10,000.00	
5	Personnel							
6	Apache NRCD staff, non-admin	Salaries	\$2,000.00			\$0.00	\$2,000.00	
7	SUB TOTAL		\$2,000.00				\$2,000.00	
8	Direct Costs							
9	Construction							
10	Equipment	equip. rental	\$50,000.00			\$0.00	\$50,000.00	
11	Supplies	construction supplies	\$25,000.00			\$0.00	\$25,000.00	
12	ANRCD Equip.		\$5,000.00				\$5,000.00	
13	Labor	participant time	\$75,000.00			\$0.00	\$75,000.00	
14	SUB TOTAL		\$155,000.00			\$0.00	\$155,000.00	
15	Education and Outreach							
16	Participant time and travel	informational meetings	\$21,000.00			\$0.00	\$21,000.00	
		meeting prep. &	\$10,000.00			\$0.00	\$10,000.00	
	Stakeholders time & facilities	advisement, background						
18	Office Supplies	refreshment & printing	\$2,000.00			\$0.00	\$2,000.00	
19	SUB TOTAL		\$33,000.00				\$33,000.00	
20		Sub-Total Match	\$200,000.00	\$0.00	\$0.00	\$0.00	\$200,000.00	
21		Verify Totals (This number	should be the sam	ne as the Sub-Total	Match Budget Res	maining cell above)	\$200,000.00	
22								
23		I certify that this report and supp	porting documenta	tion has been exan	nined by me, and to	the best of my kno	owledge and belief,	
24		the reported expenditures are valid, based upon our official accounting records (books of account) and are consistent with the						
25		terms of the Grant. It is also understood that no Federal Government funds and/or in-kind services have been used to meet						
26		the requirements of Match funds	s shown above.					
27								
28		Signature			Date			
29								
30		File name:						

Task Description/Deliverables	Completion Date	Percent Complete
Execute contract with ADEQ	8/1/2014	
Execute contract with professional Engineering firm	8/29/2014	
Execute contract with Rangeland/Watershed consultant	8/29/2014	
Public outreach and advertising for project participation to landowners, lessees, permitees and other stake holders	9/29/2014	
Final information session to get a concrete commitment to proceed with project.	10/20/2014	
Initiate analysis of projects and review permitting needs	11/14/2014	
Initiate project(s) engineering and design	2/2/2015	
Initiate project construction including permitting, contracting and consulting.	5/31/2016	
Initiate website for ANRCD outlining our different partnerships and conservation programs and efforts	9/1/2014	
Conduct completed project tour together information and pictures for final reporting and documentation	7/15/2016	

#### Appendix D. State Historic Preservation Office (SHPO) Form

Any ADEQ action, including grant projects paid in-part with ADEQ funds, on state, federal, or private lands that may impact historic properties (i.e., any prehistoric or historic-period district, site, building, structure, or object included in, or eligible for inclusion in the State Register of Historic Places) require consultation with the State Historic Preservation Office (SHPO) pursuant to the State Historic Preservation Act (ARS 41-861 to 864). ADEQ is legally responsible for making determinations and findings.

In order to make informed decisions and facilitate consultation with SHPO, ADEQ requires applicants to provide the project related information requested below. By working together, we can seek out ways that "the historical and cultural foundations of this state can be preserved as a living part of our community life and development" (State Historic Preservation Act).

#### For Each On-the-ground Project Site

Please prepare and answer the following questions pertaining to historic properties and preservation. Use multiple forms as needed. Add map(s), drawings and pictures where appropriate. When complete, copy and paste this information into your grant application in the requested area.

NOTE:UPPÉR LITTLÉ COLORADO RIVER — WATER QUALITY IMPROVEMENT PROJECT is comprised of multiple smaller projects. We will conduct site specific cultural resources surveys prior to any ground disturbance.

#### 1. Project Location

Indicate the location of the project sites, including:

- County,
- Township, range and section
- Nearest Town or City

Describe the conditions of the land in the project area. Attach a copy a USGS topographic map with the project area clearly marked. On the map, please specify the area(s) where impacts will occur.

Provide project location information (use as much space as needed)	٦

#### 2. Project Description:

Describe the buildings or structures within project area and their age. Describe any ground-disturbing activities. Indicate whether the proposed project could impact historical properties, should they be present.

Provide project description (use as much space as needed)					

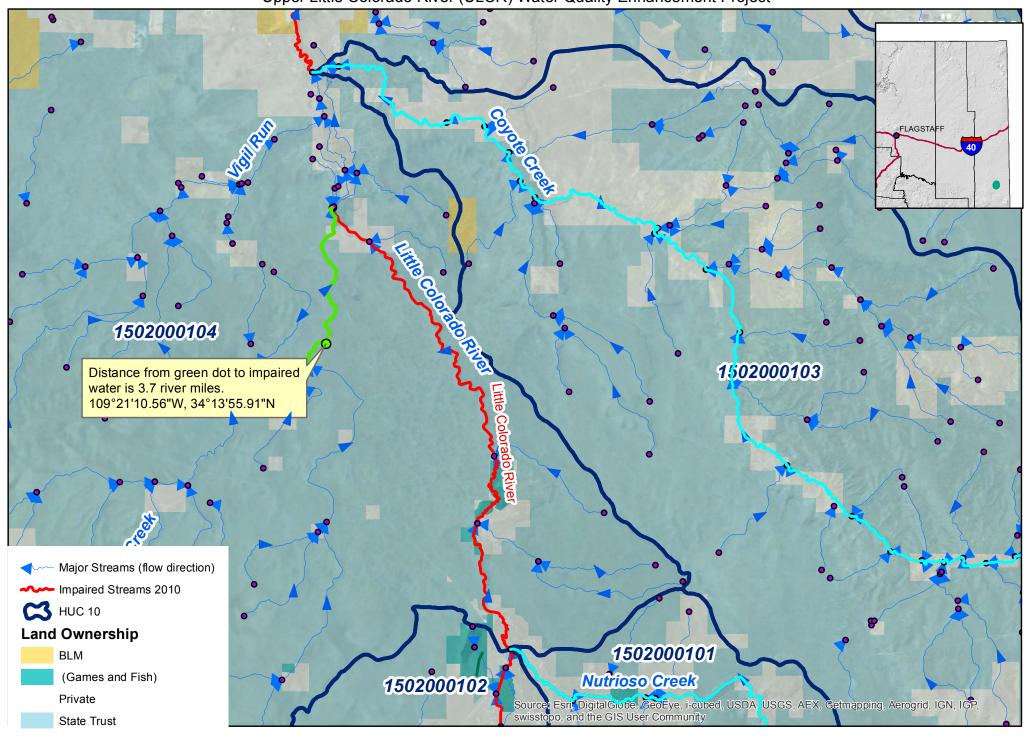
#### 3. Steps Taken to Identify Historic Properties

- Indicate whether the project area has been previously surveyed to determine the presence or absence of historic properties? If it has, attach a report.
- Are buildings, structures, or objects 50 years old or older present in the project area? If yes, include description.
- Are any prehistoric or historic-period archaeological sites present? If yes, please list and briefly describe.
- What does the state or federal land manager, if any, say about historic properties present in the project area? Attach letter, if applicable.
- What efforts, if any, would be reasonable to determine the presence or absence of historic properties?

- 1	
П	
П	Provide synopsis of steps taken to identify historic properties (use as much space as needed)
П	priovide symposis of steps taken to identify historic properties (use as much space as needed)
П	
П	
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<b>4. Potential for Historic impacts</b> In the applicant's opinion, which determination listed below is appropriate for this project based on the information presented above:			
		No impacts/ historic properties not present	
		No impacts/ historic properties present. Describe how historic properties will be avoided or protected.	
		Negative impacts to historic properties. Suggest treatment measures.	
		Positive impacts to historic properties. Describe any positive impacts to historic properties that could be attributed to the proposed project.	
Describe how any negative impacts to historic properties will be avoided and describe potential positive impacts (use as mu space as needed)			
For SHPO Use Only - Record of Consultation  SHPO advises ADEQ on the completeness of identification effort, determination of effect, and any proposed treatment measures. Concur with determinationDo not concur with determination Request More Information			
 		Recommend that the project area be surveyed to determine the presence or absence of historic properties by a qualified professional Additional comments attached	
l Signe	d:	Date:	

Upper Little Colorado River (ULCR) Water Quality Enhancement Project



Malena Bazurto P.O. Box 428 St. Johns, AZ 85936 Grants Administrator

# BOARD OF SUPERVISORS OF APACHE COUNTY



DELWIN P. WENGERT, MANAGER-CLERK P.O. BOX 428 ST. JOHNS, ARIZONA 85936

> TELEPHONE: (928) 337-7503 FACSIMILE: (928) 337-2003

June 4, 2015

Apache Natural Resource Conservation District Via Email

RE: Arizona Department of Environmental Quality Water Quality Improvement Grant Program

### To Whom It May Concern:

On behalf of Apache County, I would like to submit a letter of support for the Apache NRCD's Water Quality Enhancement Project on the Upper Little Colorado River Watershed. Apache County is a partner agency with ANRCD and values the district's efforts to protect and improve natural resources in the county. As the grants manager for Apache County, I work on forest health improvement programs within the watersheds of the Upper Little Colorado River. Improvements to forest health and prevention of large scale wildfires are crucial to lessen negative impacts to already threatened watersheds. Apache County partners with Federal, State, and local agencies alongside private property owners to create and implement projects that decrease wildfire risk, improve watershed, enhance riparian habitat, and support local economic drivers.

Apache County looks forward to continued natural resource conservation efforts with the ANRCD through the award of this Water Quality Improvement Project grant. Please feel free to contact me for more information. Thank you for your time and interest in watershed improvements in Apache County.

Sincerely,

Malena Bazurto

Apache County, Grants Manager

cc: Barry Weller, Apache County Supervisor Delwin Wengert, Apache County Manager Ryan Patterson, Finance Director

# Pioneer Irrigation Company Inc.

P.O. Box 681

Eagar Arizona 85925 pioneerirrigation@yahoo.com 928-333-5604 Fax 928-333-5610

June 5, 2014

RE: Arizona Department of Environmental Quality Water Quality Improvement Grant Program

To Whom It May Concern:

On Behalf of Pioneer Irrigation Company, I would like to submit a letter of support for the Apache NRCD's Water Quality Enhancement Project on the Upper Little Colorado River Watershed.

The Pioneer Irrigation Company is very appreciative for all the hard work that the Apache NRCD provides the local community and surrounding area. They are a very supportive conservation agency. We look forward to continually working with them on the Upper Little Colorado River Watershed.

Thank you,

Debra Seeley

Janice K. Brewer Governor



Vanessa P. Hickman State Land Commissioner

> Mr. Daric Knight Chairman, Apache Natural Resource Conservation District 823 E. Main Street Springerville, AZ 85938

June, 3, 2014

RE: Proposed Upper Little Colorado River (ULCR) Water Quality Enhancement

Dear Daric,

Project

As the Arizona State Land Department (ASLD) Range Resource Area Manager (RRAM) for Apache County, I am providing this letter as documentation of my support for the proposed Upper Little Colorado Water Quality Enhancement Project. I have reviewed the pre-proposal application provided to the Arizona Department of Environmental Quality and strongly feel that the project description "to implement watershed area conservation practices and land use management projects on the Upper Little Colorado River Watershed and sub-watersheds, specifically addressing pollutants of concern including: sediment, turbidity, and nutrient loading" supports the ASLD mission:

To manage State Trust lands and resources to enhance value and optimize economic return for the Trust beneficiaries, consistent with sound stewardship, conservation, and business management principles supporting socioeconomic goals for citizens here today and generations to come. To manage and provide support for resource conservation programs for the well-being of the public and the State's natural environment.

As I know you are aware, the ASLD requires submission of the appropriate Application to Place Improvement or Land Treatment Application, for review and approval, prior to implementing any new projects on State Trust land. I look forward to working with you and State land grazing lessees in the Upper Little Colorado River Watershed in acquiring approval for implementation of watershed improvement projects and development of grazing management plans on State Trust rangelands.

Sincerely,

Denis Humphrey

Range Resource Area Manager

Arizona State Land Department

Pinetop Field Office

3048 E. White Mountain Blvd.

Pinetop, AZ 85935

(928) 367-0313

#### THE STATE OF ARIZONA

## GAME AND FISH DEPARTMENT

5000 W. CAREFREE HIGHWAY PHOENIX, AZ 85086-5000

(602) 942-3000 • WWW.AZGFD.GOV

REGION I. 2878 E. WHITE MOUNTAIN BLVD., PINETOP, AZ 85935

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DIRECTOR

LARRY D. VOYLES

DEPUTY DIRECTOR

TY E. GRAY



June 6, 2014

Arizona Department of Environmental Quality Water Quality Improvement Grant Program

RE: Upper Little Colorado River (ULCR) Water Quality Enhancement Project

To whom it may concern:

On behalf of the Arizona Game and Fish Department I would like to express my support for the 2014 Water Quality Improvement Grant application submitted by Daric Knight. This project seeks to implement watershed area conservation practices and land use management projects on the Upper Little Colorado River Watershed, specifically implementing measures to reduce turbidity and sedimentation within the Little Colorado River watershed and Lyman Lake. The Department supports the concepts outlined in the proposal and looks forward to cooperating with the Apache Natural Resource Conservation District to improve conditions within this important watershed.

Sincerely,

Chris Bagnoli

Pinetop Regional Supervisor

Arizona Game and Fish Department

This Beynoti

# Lyman Mutual Ditch Co.

June 5, 2014

To whom it may concern:

On behalf of the Lyman Mutual Ditch Company I hereby express our support for efforts that are being made and planned for to help reduce the causes, sources and problems with sedimentation buildup and water turbidity in Lyman Lake located here in Apache County, Arizona.

Sincerely,

Norman Brown, Board Member, Lyman Mutual Ditch Co.

Box 1860, St. Johns, AZ 85936