

ARIZONA WATER PROTECTION FUND COMMISSION

Business Meeting – June 11, 2019
Arizona Department of Water Resources
Middle Verde River Conference Room
1110 W. Washington St., Ste. 310
Phoenix, AZ 85007

Final Meeting Minutes

ATTENDANCE

Commission Members Present

Paul Brick
Lucinda Earven
Pat Jacobs
Michael Macauley
Charles Paradzick
Roy Pierpoint
William Schock

Arizona Water Protection Fund Staff

Reuben Teran

Public Present

Kimberly Drahota
Melissa McMaster (via telephone)
Kim McReynolds
Lynne Smith
Linda Searle
Melanie Tluczek

CALL TO ORDER

Chairman Charles Paradzick called the meeting of the Arizona Water Protection Fund (AWPF) Commission to order at 10:01 a.m., and welcomed recently appointed Commissioner Lucinda Earven and Arizona Department of Water Resources Deputy Director Lynne Smith.

COMMISSION MEMBER ROLL CALL

Mr. Reuben Teran called the roll of the AWPF Commission. Six voting members were in attendance, and a quorum of the Commission was present. Mr. Teran stated that Commissioner Bill Schock was running late, but should be in attendance in about 45 minutes.

CALL TO THE PUBLIC

Chairman Paradzick made a call to the public to address the Commission. No public comments were made.

REVIEW APPROVAL OF THE MARCH 26, 2019 MEETING MINUTES

Commissioner Roy Pierpoint made a motion to approve the meeting minutes, with a second from Commissioner Pat Jacobs. Chairman Paradzick asked if there were any comments or questions on the draft meeting minutes. Chairman Paradzick stated he did find one typo on page 9 which was corrected by Mr. Teran. Chairman Paradzick asked if there was a motion to approve the minutes as amended. Commissioner

Paul Brick made a motion to approve the meeting minutes as amended, with a second from Commissioner Pierpoint. The motion passed unanimously.

**GRANT 17-192WPF: LOWER VERDE RIVER RIPARIAN RESTORATION PROJECT
PROJECT PRESENTATION**

Mr. Teran stated that a letter was provided from the Ft. McDowell Yavapai Nation requesting a grant award contract increase of \$20,675. This was due to a mistake found in the Task #6 budget that was initially submitted in the grant application where only some of the budget line items were included in the subtotal, and some were accidentally omitted. The letter included an attachment of the proposed project budget and highlighted the mistake. Ms. Melissa McMaster stated that on behalf of the Ft. McDowell Yavapai Nation that she apologizes for this oversight and they were surprised that no one had caught it previously since it was a twenty-thousand-dollar difference. She also stated that at this point all items have been completed for Task #6 and was inquiring if the Commission would be able to approve an increase in the grant award contract amount. Otherwise, the Fort McDowell Yavapai Nation will have to re-evaluate the scope of work and available funding.

Chairman Paradzick stated that he had previously asked Mr. Teran if this type of request has ever come up in the past since this type of issue has not come before this Commission. Mr. Teran responded that requests for funding increases had come up before previous Commissions in the past, and in this instance, there was not a change in the scope of work and the funding request was included in the original grant application but was inadvertently missing from the total grant fund request and grant award contract. Chairman Paradzick commented that unless there was any other discussion necessary, a motion from the Commission is needed to act on this request. Commissioner Pierpoint made a motion to approve the increase to the grant award contract, with a second from Commissioner Brick. The motion passed unanimously. Mr. Teran stated that this action will require a grant award contract amendment and that he will work with the Ft. McDowell Yavapai Nation and the Commission Chair to get this completed. Ms. McMaster thanked the Commission.

**PROJECT PRESENTATION. AWPf GRANT 17-190WPF: RIVER RESTORATION THROUGH
HAZARDOUS FUELS AND INVASIVE SPECIES REMOVAL**

A presentation on this grant award contract was given by Ms. Melanie Tluczek, Executive Director and Ms. Bethany Drahota, Habitat Restoration Manager of the Gila Watershed Partnership. A copy of the presentation is attached.

Commissioner Michael Macauley stated that fire stimulates tamarisk seeds, and asked if there were any issues with regrowth of tamarisk in areas where there was burning of the tamarisk after it was cut down. Ms. Drahota responded that she went back and retreated both sides where the fire burned, one side with chemicals and the other with hand loppers. She found that the area treated with chemicals had minimal regrowth of tamarisk, but the area with hand treatments had many re-sprouts. She also stated that if you go back and retreat the re-sprouts quickly while they are green and just emerging, you do get great results of tamarisk removal. She further stated that the area treated with chemicals now has many secondary weeds.

Commissioner Macauley asked if there are any plans for measuring increases or decreases in soil moisture as a result of removing the tamarisk. Ms. Drahota stated that they are currently measuring groundwater levels in the area every three months. They do see variations of groundwater levels based on the farming in the area, but it does give them an idea of areas to plant and when to plant. She commented that soil moisture information would be great, but it is currently outside of the capacity of what they can do right now. Commissioner Macauley asked if they have checked with the New Mexico State Association of

Conservation Districts (NMSACD) as they have done a lot of treatment of tamarisk through Albuquerque, and through those treatments they were able to increase the soil moisture content by 5%. He commented that that he was not clear how they measured it. Ms. Drahota stated that they had not contacted the NMSACD, but indicated that they plan to collect soil samples this next season and they may be able to measure soil moisture content.

Commissioner Brick commented that during the presentation it was stated that work was going to be continuing next year, and asked if there were plans to apply for Water Protection Fund funds or if there were other funding sources that will be used to implement this project. Ms. Melanie Tluczek responded that the Gila Watershed Partnership would like to apply for funding specifically for the planting and monitoring as those are going to be important components of the project. She also stated that they have one more year of funding with the Walton Foundation that has been a big source of match for this project, in addition to available funds from the Arizona Department of Forestry and Fire Management.

Chairman Paradzick asked if they have seen any natural recruitment in the open areas as a result of recent floods through the area. Ms. Drahota responded that they will be starting their summer monitoring next month, but most of the recruitment they had seen last summer was cottonwood basal and seedlings recruitment post-fire, and she is hoping they will have a good cottonwood germination year. Ms. Tluczek commented that Ms. Drahota has done an amazing job coordinating a difficult project and that they have a pretty strong team now, especially since they had a lot personnel turnover and a lull administratively. She also stated the Gila Watershed Partnership is now in a good position to continue work.

Mr. Teran stated that this project will be closed out when the grant award contract expires at the end of August. The Commission thanked the Gila Watershed Partnership for coming to the meeting and for their presentation.

Commissioner Bill Schock joined the meeting.

**PROJECT PRESENTATION. AWPf GRANT 15-186WPF: PHASE II GILA RIVER CORRIDOR
INVASIVE WEED CONTROL**

A presentation on this grant award contract was given by Ms. Linda Searle from the Coronado Resource, Conservation & Development Area, Inc., and Ms. Kim McReynolds from the University of Arizona Cooperative Extension. Mr. Teran stated that the project final report has been submitted and the grant award contract is in the process of being closed out. A copy of the presentation is attached.

Commissioner Macauley commented that the presentation seems to indicate that there is a need for groups that are implementing related projects in the same area to communicate or coordinate on their activities, and asked how the AWPf Commission would be able to help facilitate that. Ms. Searle stated that they have invited the public and other partners to their meeting and outreach activities, and they have presented the weed problem to the Gila Watershed Partnership. She also stated that if there were grants that were covering the same watershed with projects in close proximity it would be good to be able to exchange contact information with those entities to share information on project activities. Since the Gila Watershed Partnership mentioned that weeds are starting to become an issue at their project site, this would be a good opportunity for them to engage with the steering committee that is addressing weed issues. Ms. Searle commented that the steering committee is a non-profit group and is not able to apply for grants so they would need to have another organization such as the county or extension office apply for grants. Commissioner Macauley commented that the local Natural Resource Conservation District may also be

able to provide support in that role. Ms. Searle and Ms. Reynolds both commented on the continued need to address the prevalence and spread invasive weeds in Arizona.

Commissioner Bill Schock commented that the outreach materials presented identified the herbicide milestone, and asked if that was the primary herbicide used and stated that an applicators license was not necessary for that particular herbicide. Ms. Reynolds responded that all herbicides used for this project were general use did not require an applicator license, and that Milestone was used for Russian knapweed, yellow star thistle, and Malta star thistle because that was what worked best in test plot trials at Kansas Settlement in Cochise County and in Duncan, AZ. They also used the chemical Escort to treat whitetop, but ran into a problem with soil pH because the chemical binds in soils with a pH greater than 7.9. They also found that it was harder on some of the crops where they were using it to treat weeds. This year they used Weed Master and it appears that is working well on whitetop. They also found that the chemical Habitat works very well, and you can use it up to the water's edge. Ms. Reynolds commented that another concern is the potential for weeds to build up resistance to herbicide, so having a few alternatives can help minimize that resistance.

Commissioner Schock asked if the test plot treatments were conducted by the University of Arizona Cooperative Extension. Ms. Reynolds responded that it was a University of Arizona weed specialist and herself that implemented the test plot treatments. Commissioner Schock asked if they were using backpack sprayers or ATVs. Ms. Reynolds responded that for the test plots they used backpack sprayers, and also stated that there is a shed at the Cooperative Extension office that BLM purchased years ago where the chemicals are currently stored, and they have 3 or 4 2-gallon hand sprayers, a few 5-gallon backpack sprayers, and a few ATV sprayers. People who are farming use their own spray equipment.

Commissioner Schock asked if they were reseeding after herbicide application, and Ms. Reynolds responded that they have not yet done any reseeding, but that is something they are working on right now with Freeport McMorran. Ms. Reynolds stated that she has native grass mixes available based on soil ecological sites, developed in coordination with the Natural Resource Conservation Service. Commissioner Jacobs recommended that if a site visit was going to be done in that area, that it may be a good idea to invite other interested parties with grants in the watershed to discuss treatments and reseeding options.

The Commission thanked Ms. Searle and Ms. Reynolds for their presentation.

ARIZONA WATER PROTECTION FUND PROGRAM UPDATES

Mr. Teran reminded the Commission members that the financial information he will be going over is in the Commissioner's notebooks and will also be displayed on the screen. Handouts were also available on the table in the meeting room.

Financial Report

Mr. Teran stated that the entire \$650,000 appropriated to the Water Protection Fund for fiscal year 2019 is documented in the financial records as being deposited. The current fund balance as of June 6, 2019 is \$2,698,432, and the current unobligated fund balance is \$804,021. There is \$1,894,411 currently obligated to existing grant award contracts, but Mr. Teran stated that total does not include approximately \$230,000 of funds that were awarded by the Commission in November 2019 that are still in the contract negotiation phase. With those funds included, the total unobligated fund balance would be approximately \$574,000. Commissioner Macauley asked if the obligated fund balance total includes the \$20,000 added to grant award contract 17-192WPF discussed today, and Mr. Teran responded that it does not. With those funds subtracted, the unobligated balance would then be approximately \$554,000.

Commissioner Lucinda Earven asked where the funds for the program come from since she is new to the Commission. Mr. Teran stated that for fiscal year 2019 the Water Protection Fund received an appropriation from the Legislature for \$400,000, and that \$250,000 was appropriated by the Legislature to the ADWR budget specifically for the Water Protection Fund. He also stated that interest from the fund balance is credited to the fund, and described that the Water Protection fund has 2 accounts. One for grant project expenditures and one for administration. Chairman Paradzick added that the Commission has granted funds back to ADWR for program administration. Chairman Paradzick also stated that in-lieu tax fees from Central Arizona Project water sales are also deposited into the Water Protection Fund. Commissioner Jacobs commented that there are no current plans for entities to store Colorado River water in Arizona, and that there is only 1 more outstanding in-lieu tax fee payment anticipated for the near future.

Legislation Update

Mr. Teran stated that at the last Commission meeting he provided an update on House Bill 2013 which was a bill to appropriate \$1,00,000 to the Water Protection Fund, but the bill was never made it through the entire Legislative session. He then referenced House Bill 2747 which is the General Appropriations bill, also known as the Feed bill for the entire state. Mr. Teran stated that Section 100 on page 76 identifies ADWR's budget and highlighted that there is a line item for a \$750,000 Water Protection Fund deposit for fiscal year 2020. Commissioner Brick asked when those funds will be available. Deputy Director Lynne Smith stated that those funds will be available July 1, 2019, but will be deposited into the Water Protection Fund quarterly unless the Commission has a need to have it all earlier, in which case an approval process would be necessary. Mr. Teran stated that he worked with ADWR finance each quarter to ensure that the appropriated funds were deposited into the Water Protection Fund account, and he will do the same for the coming fiscal year. He also stated that the Water Protection Fund will also be receiving a deposit of in-lieu fee funds for fiscal year 2020 in the amount of \$655,965. Commissioner Schock asked if this was going to be the last in-lieu tax fee deposit. Commissioner Jacobs stated that there has been no out-of-district water storage for 2 years and this is the last in-lieu tax fee payment for the foreseeable future. Mr. Teran stated that total deposits for fiscal year 2020 will total \$1,405,965. Chairman Paradzick commented that there should be approximately \$1.9 million available in the Water Protection Fund as we plan for the next grant cycle. Chairman Paradzick commented that in the past the Commission has planned any allocation of grant funds along with the allocation of administrative funds.

Mr. Teran provided an update on House Bill 2753 which was a Session Law also passed this Legislative session. Deputy Director Smith stated that this is also known as a budget reconciliation bill, and because you cannot legislate in the General Appropriations Act, these types of bills identify changes that go along with the General Appropriations Act to implement the budget. Mr. Teran stated that under Section 7 in House Bill 2753 it states that the Commission may grant up to \$336,000 of the unobligated balance to ADWR to pay for administrative costs in fiscal year 2019-2020. He also stated that during the grant award selections in November 2018 the Commission was projecting out 2 years of administrative costs to coincide with the new grant awards and approved \$323,440 for program administration. Given that there is both Legislative and Commission approval for the use of administrative funds for fiscal year 2020, Mr. Teran stated that the plan is to continue to budget and make requests for administrative costs each year as the need arises. Chairman Paradzick added that any administrative funds requested cannot exceed the amount authorized by the Legislature in any one year.

Commissioner Schock inquired how the details of the administrative costs ended up in the bill like that, and asked if that language was put in there by ADWR, or by a member of the Legislature. Deputy Director Smith responded that the Legislature develops those details. In this case, she stated that the language for Water Protection Fund administration has been in previous bills for several years. She further stated that

each year the Governor's Budget Office staff may ask ADWR if any changes may be necessary budget related items. Commissioner Schock asked who in ADWR is contacted by the Governor's Budget Office staff. Deputy Director Smith replied Mr. Scott Selin, Chief Financial Officer. Commissioner Jacobs commented on that being a common scenario for the beginning of the development of the state budget where the Governor's Office will go through last year's budget for each state agency and inquire if any changes are needed. Commissioner Schock stated that he is currently working with the State Land Department on something very similar, and he was very appreciative to learn how the overall process works. Deputy Director Smith also stated that there is a Statutory due date of September 1st for every state agency to turn in their budget request for the next fiscal year. Commissioner Schock asked if for example the Commission wanted to request \$1 million in the next budget session how would that process work. Deputy Director Smith replied that the most common way would be for each Commission member to work independently with members of the Legislature.

Mr. Teran then provided a brief update on House Bill 2753/Senate Bill 1556 which establishes the Nonnative Vegetation Species Eradication Fund consisting of legislative appropriations for specific nonnative vegetation invasive species eradication projects that will be administered by the Arizona Department of Forestry and Fire Management (ADFFM). Commissioner Macauley stated this may be an opportunity for the AWPf to meet with them to coordinate some of these grants since the AWPf's issues are watershed issues with noxious and invasive species that affect water, and the types of projects solicited for the ADFFM program may generally be the same. Commissioner Brick commented that ADFFM funds could be used as matching funds for AWPf funds. Chairman Paradzick suggested that the AWPf ask where the AZDFFM are in their program development and see what their target goals and objectives are going to be after their program is up and running. Commissioner Jacobs commented that since all AWPf and AZDFFM funds are taxpayer dollars, that anything we do should try to be done in the most effective way.

Triennial Grant Application Guidelines Review Process (A.R.S. § 45-2105)

Mr. Teran stated that a Triennial Grant Application Guidelines review process for the AWPf should be taking place this year, and that an update was initially provided at the March 2019 Commission Meeting. Due to the potential that the Commission may decide to move forward with a grant cycle for fiscal year 2020, Mr. Teran requested guidance from the Commission if it would be applicable to begin soliciting input from the public at this point in time. Mr. Teran stated that it may be confusing to the public for the Commission to be requesting grant applications based on the current grant application guidelines that will be discussed today, and at the same time soliciting input and feedback on revising those same guidelines.

Commissioner Roy Pierpoint suggested that the Commission should wait to solicit comments regarding grant application revisions, but have any new guideline ready for fiscal year 2021. Chairman Paradzick commented that during the last guidelines revision process the Commission solicited input from all the various stakeholders, and while there were a few minor updates made, the major change was identifying a set of overall objectives under the capital projects category that included the addition of projects that improve watershed conditions using forestry treatments near rivers or streams to improve water quality or increase water quantity. Chairman Paradzick stated that the Commission needs to get this process completed to adhere to the statute, but recommended any work to solicit changes to the grant application guidelines be tabled at this time. Commissioner Jacobs requested that soliciting input for the Triennial Grant Application Guidelines process be added to the November 2019 Commission meeting agenda.

FISCAL YEAR 2019 ARIZONA WATER PROTECTION FUND ANNUAL REPORT

Mr. Teran stated that the AWPf annual report is due to the in the Governor, President of the State Senate and, Speaker of the House of Representatives on July 1, 2019, and a copy of the draft report has been provided to Commission members for review and comment. Mr. Teran stated that he updated the executive summary and conclusions sections, and added in content to better describe some of the successes the program had this last year. He also stated that the cover page and Chairman letter need to be incorporated after the body of the text is finalized. Mr. Teran asked for any comments or clarification needed, and direction from the Commission on how to proceed. Commissioner Pierpoint stated he read the draft and it looked good, and Chairman Paradzick stated he did not have any comments on the document. Commissioner Jacobs asked if the funded projects table in the report is available electronically in a format that can be searched. Mr. Teran responded that the final document is typically in a .pdf format, but that it can be searched for key words. The table itself could also be copied and placed into an excel spreadsheet if further analysis is necessary. Commissioner Jacobs made a motion to approve the FY 2019 Annual Report, with a second from Commissioner Pierpoint. The motion was passed unanimously.

GRANT APPLICATION MANUAL & FISCAL YEAR 2020 GRANT CYCLE

Mr. Teran stated that the latest version of the fiscal year 2020 grant application manual is provided in the Commissioner's notebook. Chairman Paradzick asked all Commissioners to refer to page 7 of the manual where it refers to the grant application schedule and wanted to make sure the presentation schedule and grant award selection dates proposed for November 19 – 20, 2019 still work for everyone. Commission Earven asked if Commissioners are supposed to attend the grant application workshop. Mr. Teran responded that this workshop is provided for members of the public or potential applicants that interested in applying for a grant from the AWPf. He also stated that staff does offer pre-application consultations to potential grant applicants to discuss their project and to review draft application content.

Commissioner Jacobs made a motion to approve the fiscal year 2020 grant application manual and move forward with the fiscal year 2020 grant cycle, with a second from Commissioner Macauley. The motion passed unanimously.

ELECTION OF COMMISSION CHAIR AND VICE-CHAIR OFFICER POSITIONS

Chairman Paradzick stated that these elections take place annually, and he is currently serving as Chairman and Commissioner Jacobs is currently serving as Vice-Chair. Commissioner Macauley made a motion to keep the current officers in place, with a second from Commissioner Pierpoint. The motion passed unanimously.

FINAL CALL TO THE PUBLIC

Chairman Paradzick made a final call to the public to address the Commission. No public comments were made.

FUTURE MEETING DATE(S)

Mr. Teran stated that the next full commission meeting dates are November 19 – 20, 2019 based on the approval of the grant application manual and fiscal year 2020 grant cycle. He also stated that Executive Committee meetings may be held as necessary to address any business or contract issues that may come up. Chairman Paradzick stated that a minimum of 3 Commission members are needed for an Executive Committee meeting. This would include the Chair, Vice-Chair, and any other Commission member that is

interested and available to attend that meeting. Mr. Teran stated that any meetings scheduled will need to follow the Open Meeting Law, and be noticed a minimum of 24 hours in advance.

ADJOURN

With no other agenda items Chairman Paradzick asked if there is a motion to adjourn. Commissioner Jacobs made a motion to adjourn, with a second from Commissioner Schock. The motion passed unanimously, and the meeting adjourned at 12:39p.m.

ARIZONA WATER PROTECTION FUND COMMISSION

Business Meeting – March 26, 2019

Camp Verde Community Library – Terracotta Room
130 Black Ridge Road
Camp Verde, AZ 86322

DRAFT Meeting Minutes

ATTENDANCE

Commission Members Present

Paul Brick – via telephone
Pat Jacobs – via telephone
Michael Macauley
Charles Paradzick
Roy Pierpoint
William Schock – via telephone

Arizona Water Protection Fund Staff

Reuben Teran

Public Present

(Identified on the attached public sign-in sheet)

CALL TO ORDER

Chairman Charles Paradzick called the meeting of the Arizona Water Protection Fund (AWPF) Commission to order at 10:02 a.m.

COMMISSION MEMBER ROLL CALL

Mr. Reuben Teran called the roll of the AWPF Commission. Six voting members were in attendance, and a quorum of the Commission was present.

CALL TO THE PUBLIC

Chairman Paradzick made a call to the public to address the Commission. No public comments were made.

REVIEW APPROVAL OF THE NOVEMBER 6 & 7, 2018 MEETING MINUTES

Commissioner Roy Pierpoint made a motion to approve the meeting minutes, with a second from Commissioner Michael Macauley. Chairman Paradzick asked if there were any comments or questions on the draft meeting minutes. There was none, and the motion passed unanimously.

GRANT 17-189WPF: EROSION CONTROL TO STABILIZE SOILS AND RESTORE HISTORIC GRASSLANDS IN THE UPPER VERDE RIVER WATERSHED

Chairman Paradzick stated that the Commission did receive the letter from the Grantee dated March 6, 2019 that highlighted work completed on the project and described the challenges that have delayed its implementation. Ms. Lora Lee Nye, Town of Prescott Valley Vice Mayor stated that it has been difficult and frustrating trying to obtain the applicable permits for this project, as was described in the letter. Mr. John Munderloh stated that the Town of Prescott Valley (Town) is requesting a 1-year contract extension, and feels that they have done their due diligence in trying to comply and obtain all the required permits for

the project, but has had difficulty with obtaining the necessary permits from the Arizona State Land Department (ASLD). Mr. Munderloh explained the various partnerships and funding involved with the project, and further explained that the ASLD did not accept the cultural resources determination made by the State Historic Preservation office and has required an archaeology survey to be conducted for the project area. In addition, the ASLD stated that the temporary access permit has expired and required that permit to be obtained before the archeologist could access the site. The access permit was obtained, and the archeologist is currently on site. The Town is also in the procurement process for hiring a contractor to implement the project.

Commissioner Macauley stated that the Town is working with the Barney York Ranch, and asked why the Barney York Ranch did not apply for the improvement permit. Mr. Munderloh stated that the Barney York Ranch did apply. Commission Macauley asked if the permit was denied by the State. Mr. Munderloh stated the application was never considered. Mr. Munderloh also stated a major frustration has been a lack of response from the ASLD, and being passed to several ASLD programs during the process.

Commissioner Macauley asked if they have gotten the local Natural Resource Conservation District involved. Mr. Munderloh replied yes, and commented that he believes they are on the cusp of getting through this with ASLD. He also commented that the Town has already expended a lot of money on this project.

Chairman Paradzick stated that while the Commission will consider the request for a contract extension, he suggested that staff follow up with the Town in a month or so to see how things are progressing. At that point if things are not moving forward as expected, then further action from the Commission could be considered to see how they may be able to help the process move along.

Commissioner Macauley asked if the juniper treatments were being implemented through an agra-axe. Mr. Munderloh stated that work was being done by hand crews with chainsaws. He also stated that a challenge with the implementation is that there are no suitable rocks on site to help stabilize the cut junipers within the channel, and that is why obtaining access to the site is critical for being able to bring in rocks, in addition to access for follow up monitoring.

Mr. Munderloh stated than a primary goal of this project is to demonstrate a practice in Arizona where you can use juniper in as many ways as possible and create beneficial uses of cut juniper on State Trust Lands. Vice Mayor Lora Lee Nye commented that the Town wants to use the cut juniper to help heal and improve the land. Mr. Munderloh stated that the Town is moving forward and appreciates the Commission's consideration for extending the grant award contract.

Mr. Teran stated that a contract extension has been requested through September 2020, and notified the Commission that current grant award contract expires on April 30, 2019. Commissioner Macauley made a motion to extend the grant award contract to September 2020, with a second from Commissioner Pierpoint. Chairman Paradzick asked the Commission if there were any comments or questions. There were none, and the motion passed unanimously.

ARIZONA WATER PROTECTION FUND PROGRAM UPDATES

Mr. Teran reminded the Commission members that all information he will be going over is in the Commissioner's notebooks and will also be displayed on the screen. Handouts were also available on the table.

Financial Report

Mr. Teran reported that the AWPf fund balance as of February 28, 2019 was \$2,559,738; the current outstanding encumbrances are \$1,423,903; and the current fiscal year 2019 uncommitted fund balance is \$1,135,835. He also stated that the current fund amount does not yet include an additional \$100,000 that is to be deposited from the legislative appropriation made in fiscal year 2018, or \$75,000 to be deposited from the Arizona Department of Water Resources (ADWR) budget. Deposits from the legislative appropriation and ADWR budgets are made to the AWPf fund account on a quarterly basis, with these last deposits anticipated for April 1, 2019.

Chairman Paradzick asked if there are sufficient administrative funds available currently, because the Commission did approve an administrative grant during the last meeting. Mr. Teran responded that currently there are enough administrative funds to get through the current fiscal year. He also clarified that those funds, approximately \$323,000, have not yet been encumbered and are not reflected in the fund amounts described previously. Mr. Teran stated that he is working with ADWR finance staff on developing an administrative fund agreement.

Mr. Teran also reported that the AWPf will be receiving a deposit in July 2019 in the amount of \$655,965 from in-lieu fees from the Central Arizona Project water deliveries. Commissioner Pierpoint asked what the fund balance was after the Commission awarded grants last meeting. Mr. Teran replied that the projected fund balance after all grants are encumbered would be approximately \$1.3 million.

Legislative Update

Mr. Teran stated that in the current legislative session, House Bill (HB) 2013 was introduced to appropriate monies to the AWPf in the amount of \$1,000,000 from the State general fund for fiscal year 2020. The bill has passed all House of Representative Committees, recently passed the Senate Water and Agricultural Committee, and is headed to the Senate Committee of the Whole.

Status of Current Grant Award Contracts and Fiscal Year 2019 Grant Awards

14-182WPF: Arundo Eradication & Riparian Restoration of Sabino and Bear Creek, Tucson, AZ.

Grantee: University of Arizona

AWPF Grant Amount: \$51,262.00

Total Paid to Date: \$47,982.47

Contract Expiration Date: May 31, 2020

In 2016, the surveyor hired to conduct wildlife monitoring for the project quit, and the Grantee had issues trying to fill that vacancy. By the end of 2016 that vacancy was not able to be filled, and in 2018 it was requested to move funds from the wildlife monitoring budget to implement more invasive species removal and site maintenance work. In 2018 the Grantee requested a contract extension, and the agreement now has contract expiration date of May 31, 2020. The project is currently on track.

15-186WPF: Phase II Gila River Corridor Invasive Weed Control

Grantee: Coronado Resource Conservation & Development Area AWPf

Grant Amount: \$133,338.42

Total Paid to Date: \$ 90,267.89

Contract Expiration Date: April 30, 2019

The Grantee is currently implementing the final weed treatments and mapping activities for the project. The next deliverable is the project Final Report, and the grant award contract expires April 30, 2019.

17-188WPF: Apache & Navajo County Focal Area Watershed Improvement Project

Grantee: Arizona Association of Conservation Districts

AWPF Grant Amount: \$303,975.00

Total Paid to Date: \$ 77,175.00

Contract Expiration Date: July 31, 2019

A grant award contract extension was executed in November 2017 extending the expiration date to July 31, 2019. Phase I & Phase II of the juniper removal treatments on State Trust Lands have been completed. The Grantee is still awaiting permits from State Land Department to begin implementing treatments on State Trust lands for Phase III & Phase IV. However, archaeological clearances have been obtained on privately owned lands for Phase III & Phase IV, and treatments are currently being implemented on Phase III.

17-189WPF: Erosion Control to Stabilize Soils and Restore Historic Grasslands in the Upper Verde River Watershed

Grantee: Town of Prescott Valley

AWPF Grant Amount: \$138,183.00

Total Paid to Date: \$ 0.00

Contract Expiration Date: April 30, 2019

The Grantee has experienced significant permitting delays that have been out of their control, which has delayed the overall implementation of this project. On March 6, 2019 the Grantee submitted a detailed letter with a timeline outlining the progress and delays for the project, and has requested a contract extension until September 2020. The AWPf grant award contract currently has a contract expiration date of April 30, 2019.

17-190WPF: River Restoration Through Hazardous Fuels and Invasive Species Removal

Grantee: Gila Watershed Partnership

AWPF Grant Amount: \$94,903.00

Total Paid to Date: \$ 0.00

Contract Expiration Date: August 31, 2019

A grant award contract extension was executed in October 2018 extending the expiration date to August 31, 2019. In August 2018 staff has requested final copies of necessary permits, authorizations, and agreements necessary for the project, and clarification and/or updates on project work plans. In March 2019 another phone call and follow-up e-mail message was sent to the Grantee requesting an update on the project status and missing deliverables requested in August 2018, but the Grantee has not yet responded. To date, no deliverables/reports have been submitted to document implementing treatments, restoration, or monitoring activities. The final report for the project is due June 30, 2019.

Commissioner Macauley commented that a grant contract extension was requested, and asked if any work has been done on the project. Mr. Teran stated that he is not clear if any work has been done because there have been no deliverables submitted during the grant timeframe, with the exception of a few permits. He tried to contact the grantee by phone and e-mail in July and August 2018, and again in December 2018 and January 2019 following the last grant cycle. The only response he had was that they apologized for being late on the deliverables and that they would be working to submit deliverable documents by the end of this week.

Chairman Paradzick stated that the grant award contract expires on June 30, 2019, and if there as been no progress on this project then some action may need to be taken at the next Commission meeting. Commissioner Macauley commented we may need to take action now, and Chairman Paradzick suggested that since Mr. Teran indicated that deliverables are to be submitted this week that the Commission wait to take any action. Commissioner Macauley commented that they may not have done any work yet because they have not requested any reimbursements.

17-191WPF: Verde River Habitat Improvement Project

Grantee: Friends of the Verde River
AWPF Grant Amount: \$246,448.00
Total Paid to Date: \$163,111.10
Contract Expiration Date: October 31, 2019

A contract extension was executed in October 2018 extending the expiration date to October 2019. The Grantee has hired contractors to assist in implementing vegetation monitoring and invasive vegetation removal activities within the project site, and the has hosted 2 volunteer events. All 297-acres of the project area have been retreated for invasive species. The project is currently on track with the next report deliverable due July 2019.

17-192WPF: Lower Verde River Riparian Restoration Project

Grantee: Ft. McDowell Yavapai Nation
AWPF Grant Amount: \$113,896.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: October 31, 2020

A grant award contract extension was executed in October 2018 extending the expiration date to October 31, 2019. The Grantee has recently completed the permitting and site analysis phase of the project, and will be starting the invasive species removal activities in March 2019. Plans for the pilot-site restoration and project monitoring activities are currently being reviewed by AWPF staff.

19-193WPF: Verde River-Oak Creek Confluence Habitat Improvement Project

Grantee: Friends of the Verde River
AWPF Grant Amount: \$ 292,451.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: December 31, 2021

The grant award contract was executed in February 2019. The grantee is in the permitting phase of the project.

*19-194WPF: Davis Cattle Co. Grassland Restoration

Applicant: Arizona Association of Conservation Districts
AWPF Grant Award: \$341,626.00

The grant award contract is currently being negotiated. It is anticipated that an agreement will be executed in early April 2019.

19-195WPF: Gila Valley Irrigation District Rapid Appraisal for Modernization

Grantee: Gila Valley Irrigation District AWPF Grant Amount: \$32,982.50
Total Paid to Date: \$ 0.00
Contract Expiration Date: June 30, 2020

The grant award contract was executed in February 2019. The final AWPF grant amount was reduced from \$63,932.50 to 32,982.50 because the Grantee was able to secure a grant from the Bureau of Reclamation for this project. Prior to executing the AWPF agreement, the Grantee used external funds to hire California Polytechnic State University to complete the initial rapid appraisal of the Gila Valley Irrigation District's infrastructure. AWPF funds will be used to complete the next phase of the appraisal and for public outreach activities.

*19-196WPF: Do Native Fish Facilitate the Persistence of Endangered Spikedace by Resuspending Food Particles

Applicant: Northern Arizona University
AWPF Grant Award: \$32,496.00

The grant award contract has not yet been developed. Clarification is necessary regarding the applicant's control and tenure to implement the project since research activities were going to be taking place on USDA Forest Service (USFS) managed lands. The application stated that coordination had taken place with USFS staff, and that a research permit for the project would be obtained in the fall of 2018. Per the staff review of the application, it was stated that a grant award contract would not be developed until the applicant provided a letter of support or other documentation that the project was supported by the USFS. Staff followed-up with the applicant again in February & March 2019 by telephone and e-mail to get an update.

Per response from the applicant on March 18, 2019, letters of support are to be submitted by the USFS the Bureau of Land Management (BLM). Please note that the grant application did not identify BLM managed lands as part of the grant application, but it appears that these lands may now be considered as part of the project area.

Mr. Teran stated that although the Commission has awarded funding for the project, a grant award contract will not be developed until there are assurances from the land management agencies that there is support for the project and the research sites have been identified.

19-197WPF: Bill Williams Mountain Forest and Watershed Restoration Project

Grantee: National Forest Foundation

AWPF Grant Amount: \$315,000.00

Total Paid to Date: \$ 0.00

Contract Expiration Date: June 30, 2021

The grant award agreement was executed March 8, 2019. No other information to report at this time.

19-198WPF: Granite Creek Corridor Enhancement Master Plan

Grantee: City of Prescott

AWPF Grant Amount: \$79,401.00

Total Paid to Date: \$ 0.00

Contract Expiration Date: October 30, 2020

The grant award agreement was executed March 5, 2019. No other information to report at this time.

*19-99WPF: Headwater Stream Restoration: Coyote Springs, Museum of Northern Arizona, Flagstaff

Applicant: Museum of Northern Arizona / Springs Stewardship

AWPF Grant Award: \$31,846.00

Review of the grant application identified that the surface water rights for the project may not be applicable for the intended purpose of the project. The staff review stated that a grant award contract would not be drafted until the applicable surface water right(s) and ownership information was clarified. Upon further review from ADWR and their discussions with the grant applicant, it was determined that severance and transfer of Certificate of Water Right No. 2919 would be necessary. On March 1, 2019 staff was informed that the Museum of Northern Arizona Board of Directors approved moving forward with a sever and transfer option for changing the use of Coyote Springs from domestic to wetland purposes. This process could take up to one calendar year.

A draft of the grant award contract is currently in development, and it will include a provision that the severance and transfer of Certificate of Water Right No. 2919 be complete before any other grant related actions take place. If the severance and transfer is not successful, the matter will be brought forth to the Commission for further discussion.

*19-200WPF: American Gulch Channel and Riparian Enhancement

Applicant: Town of Payson

AWPF Grant Award: \$202,556.00

The grant award contract is currently being negotiated. It is anticipated that an agreement will be executed in early April 2019.

*19-201WPF: Webber Creek Sediment Control Project

Applicant: Boy Scouts of America - Grand Canyon Council

AWPF Grant Award: \$166,057.50

Following the grant award selection meeting, staff was notified that the applicant received a grant from the Arizona Department of Environmental Quality (ADEQ) for a very similar scope of work as the AWPF

application in the same project area. Because the scope of work is similar for both projects, the site assessment and master plan phase of the project in the AWPf application was able to be started with ADEQ funds. With both grants, the applicant may expand the existing scope of the project to complete more erosion control activities in the project area that originally anticipated. A draft of the grant award contract was sent to the applicant for review in January 2019. Based on the site assessment and master plan development, updates to the existing scope of work may be proposed to identify what would be implemented with AWPf funds.

CURRENT AWPf POLICY RESOLUTIONS

Mr. Teran presented AWPf Policy Resolution “The Arizona Open Meeting Law and Posting of Notices and Information Regarding the Meetings and Activities of the Commission” and stated that this was developed by the first AWPf Commission in 1995. He highlighted that the previous Commission felt that public meeting notice requirements of the Open Meeting Law represented a minimalist approach which would not fully meet the needs of the Commission, and that notices of Commission business activities should be posted in appropriate locations within 12 cities in Arizona, at a minimum.

Mr. Teran also presented the “Noticing the Affected Public” Policy developed by the Commission in 1995 and highlighted that notices be provided to the primary newspaper serving each County, and full copies of each proposal will be available to the public from a contracted printing business for a fee.

Mr. Teran also presented the Arizona Department of Water Resources requirements regarding the Open Meeting Law notices, which includes provisions for the AWPf, Groundwater Users Advisory Councils, and the Arizona Water Banking Authority Commission. He stated that this document provides the legal requirements for the Open Meeting Law, and that Commission policies go above and beyond this as was presented.

Mr. Teran stated that 25 years later, information technology has expanded the ability to share and access information, and wanted to bring these existing policies to the Commission’s attention and to seek guidance if this is still the desired intent of the Commission to continue in this manner. Chairman Paradzick commented that he is open to any comments or suggestions the Commission may have on the current policies, and stated that Commission members forward any comments they may have directly to Mr. Teran. He also stated that a recommendation from AWPf legal staff was that the policies should not be rescinded, but that they should be updated by the Commission as applicable. Chairman Paradzick stated that since we have the ability to post information on the internet and also have a good external e-mail list available for the program that it may be applicable to move forward with updating the policies. Chairman Paradzick recommended that he and Mr. Teran work together to develop language to update the policies and that they be brought back to the Commission for further discussion and the next business meeting. Commission Macauley commented that back in 1995 newspapers were a common way of disseminating information but it is not as widely used today. Chairman Paradzick stated it would be good to have some updated policies in place prior to the next grant cycle, and asked if any Commission members had any thoughts or concerns about moving forward as he proposed. Commissioners Paul Brick and Pat Jacobs both expressed their support.

TRIENNIAL GRANT APPLICATION GUIDELINES REVIEW PROCESS (A.R.S. § 45-2105)

Mr. Teran described the statutory language, and stated that as part of the AWPf statutes there are provisions that the Commission gather public input on guidelines for funding to include:

- Delineation of geographic areas in this state where protection and restoration will be emphasized.

- Identification of issues of concern.
- Types of measures needed to address issues of concern.
- A requirement that the applicant include a description of the relationship between the proposed project and existing plans, reports and information that are relevant to the proposed project.

Chairman Paradzick stated that the Commission when through this process a few years ago, and one result was the addition of watershed restoration projects being added to the type of projects supported by the Commission. He also stated that this process will most likely not be done before a grant cycle this year, but the Commission could start the process now to meet the spirit of the regulations, and have new guidelines ready for a future grant cycle.

Commissioner Macauley stated that it may be time to review all AWPf projects to see where the Commission has been doing work in the same general areas. He also commented that invasive species or other resource issues may not be getting addressed higher up in the watershed that may be contributing to work being done in these same areas.

Chairman Paradzick recommended staff move forward with drafting a letter to solicit comments and input from the public and natural resource agencies on the current grant application guidelines, and then the Commission will review those comments and take applicable action at a future business meeting.

Commissioner Macauley commented that the State Land Commissioner and ADWR Director are ex-officio members of this Commission, and based on the issues with the State Land Department he stated that it would be helpful if representatives from the State Land Department and ADWR could attend the AWPf Commission meetings if their leadership were not able to. He also commented that the Legislative advisors on the Commission have not attended any meetings. Mr. Teran stated that the Legislative appointments have been vacant since the previous members were elected to different branches of the Legislature, and that he is currently working with ADWR leadership and Legislative staff to get those vacancies filled, along with the current vacancies that need to be filled by the Governor's Office and Intertribal Council.

GRANT CYCLE PLANNING

Mr. Teran stated that it was approximately this same time last year that the Commission decided to move forward with the fiscal year (FY) 2019 grant cycle, and suggested that if the Commission decides to move forward with a grant cycle for FY 2020 now is the time to start planning that out. He displayed a potential schedule for FY 2020 and asked if the Commission had any comments or suggestions.

Chairman Paradzick stated that unless there is any opposition from the other Commissioners at this point, he feels that overall, they are supportive of moving forward with another grant cycle for FY 2020. He also asked if the Commission formally approved moving forward with a grant cycle last year. Mr. Teran responded that the Commission did make a formal decision to implement a grant cycle at the June 2018 Commission meeting, which included approving the grant application manual.

Chairman Paradzick stated the dates that will affect the Commission most are the applicant presentations and grant selections tentatively identified for November 20 & 21, 2019. Commissioner Jacobs stated that a Central Arizona Project board meeting may be taking place on November 21st, and suggested having a 2-day meeting scheduled for November 19 & 20, 2019. Chairman Paradzick recommended Commission members save those 2 days, and tentatively keep November 18th reserved just in case.

Mr. Teran stated that as part of a new grant cycle, a few minor updates to the grant application manual may be necessary to correct typos or provide additional clarification, but no major changes to content or format will be done. Any major revisions will be done following the Triennial review process discussed earlier.

Commissioner Pierpoint asked if there was something that could be done to limit the size of the grant applications. Mr. Teran responded that this is something the Commission can discuss and address during the triennial grant application review process. Chairman Paradzick stated that any objectives recommended by the Commission and input gathered from the public should help to drive any updates made the next version of the grant application manual.

Chairman Paradzick asked if there was a motion to move forward with planning a FY 2020 grant cycle. Commissioner Jacobs made the motion, with a second from Commissioner Brick. The motion passed unanimously.

FUTURE MEETING DATE(S)

Commissioner Jacobs stated that he would need to be leaving soon and requested that the future meeting date agenda item be moved up. Chairman Paradzick approved, and asked the Commission members if they had any suggested dates for the next business meeting. Mr. Teran stated that the AWPf annual report is due by July 1st, and if there are any revisions or additional clarifications necessary for the grant application manual that all those would have to be approved before July 2019. Chairman Paradzick suggested to schedule the next full Commission meeting for June 11, 2019 in Phoenix, AZ. Commissioner Pat Jacobs left the meeting.

PROJECT PRESENTATION. AWPf GRANT 15-187WPF: UPPER VERDE HABITAT IMPROVEMENT PROJECT – FRIENDS OF THE VERDE RIVER

Mr. Ben Kowalewski from Friends of the Verde River (Friends) gave a presentation on the grant award project and results. Slides of the presentation are attached to the meeting minutes.

Commissioner Macauley asked if any invasive species issues were identified upstream from the project site or higher up in the watershed. Mr. Kowalewski responded that some work had been done on Granite Creek, but that was as far upstream that they worked, mostly based on funding, time, and opportunity.

Chairman Paradzick commented there were several gaps in the work areas identified. Mr. Kowalewski stated that those were private land owner parcels, and some of those areas were used for access but no work was done.

Chairman Paradzick recalled a statement from the Friends that they may possibly be looking to work on erosion issues within the Verde watershed in the future, and asked their opinion on what they see as issues or threats in the watershed. Mr. Kowalewski stated that Friends and other restoration coalition partners are finishing up their 5-year strategic plan, and part of that will include identifying and working on erosion control issues. Other issues include sedimentation and water quality. In their 2015 strategic plan invasive species removal were the focus. Ms. Nancy Steele stated through the development of their upcoming 5-year strategic plan the Friends have done some modeling to help identify areas with erosion and invasive

species problems, with the next step to include ground truthing the model. They will also be working with ADEQ to assess water quality issues, existing data, and data needs to see where they may be able to assist. Chairman Paradzick stated it would be interesting know the approach the Friends use to identify what the concern are because the Commission has had a lot of discussions on how to prioritize projects for funding, and wanting grants to be coordinated with other partners, looking at the big picture, identifying the greatest issues and threats, and having long-term planning. He further stated that having all that information may help the Commission when evaluating grants. Ms. Steele stated that if the Commission would like further information in the future that she or Ms. Tracy Stephens would be happy to inform the Commission.

Commissioner Macauley asked if there has been any measuring for the increase or decrease of water volume due to the invasive plant treatments they have implemented. Ms. Steele responded that is a really tough question because the climate and rainfall affect a lot of what they have been doing. She also stated that there is long term monitoring data and modeling being done by The Nature Conservancy. She stated that she cannot answer the question if they have seen increases in river flow as a result of habitat improvements because the data is not yet good enough to provide that information.

The Commission thanked the Friends of the Verde River for their presentation.

FINAL CALL TO THE PUBLIC

Chairman Paradzick made a final call to the public to address the Commission. No public comments were made.

ADJOURN

With no other agenda items Chairman Paradzick asked if there is a motion to adjourn. Commissioner Macauley made a motion to adjourn, with a second from Commissioner Pierpoint. The motion passed unanimously, and the meeting adjourned at 12:18 p.m.

Field Trip. AWPF Grant 17-191WPF: Verde River Habitat Improvement Project – Friends of the Verde River

Staff from the Friends of the Verde River guided a field trip to show invasive species removal work completed on the Verde River Greenway at Dead Horse Ranch State Park. Members attendance included Chairman Paradzick, Commissioner Macauley, Commissioner Pierpoint, Reuben Teran, Elaine Nichols, Tracy Stevens, and Ben Kowalewski.

Arizona Water Protection Fund Commission Meeting

Meeting Location:

Camp Verde Community Library – Terracotta Room
130 Black Ridge Road
Camp Verde, AZ 86322



Meeting Date:

March 26, 2019

Arizona Water Protection Fund Commission		
Name	Signature	Participating by Telephone
Charles Paradzick		
Pat Jacobs		✓
Paul Brick		✓
Michael Macauley		
Roy Pierpoint		
William Shock		✓



ARIZONA WATER PROTECTION FUND
 1110 West Washington Street, Suite 310
 Phoenix, AZ 85007
 602-771-8528

Location: Camp Verde Community Library – Terracotta Room
Date: March 26, 2019
Time: 10:00am

COMMISSION METING PUBLIC SIGN-IN

(NOTE: Sign-in is not required for the meeting, only if you would like to receive information or be contacted by AWPFF in the future.

NAME	AFFILIATION	PHONE NUMBER	E-MAIL
JOHN MUNDERLOW	TOWN OF PV VICE MAYOR	928 848 1379	JMUNDERLOW@PVAE.NET
LORA LEE NYE	TOWN OF PRESCOTT VALLEY	928-759 3100	LNYE@PVAZ.NET
Ben Kowalewski	Friends of the Verde River	928-301-4934	benk@verderiver.org
Elaine Nichols	FOVR	919-817-7514	elainen@verderiver.org
Tracy Stephens	FovR	307 690 8084	tracy.s@verderiver.org
Nancy Steele	FVR	2133937407	



7501 E. Skoog Blvd.
Prescott Valley
Arizona 86314

March 6, 2019

Arizona Water Protection Fund
c/o Arizona Department of Water Resources
P.O. Box 36020
Phoenix, AZ 85067

Re: Request for Contract Extension AWPf Grant # 17-189WPF Erosion Control to Stabilize Soils and Restore Grasslands in the Upper Verde River Watershed

Dear Mr. Teran:

The Town of Prescott Valley (Town) respectfully requests a contract extension from the Arizona Water Protection Fund (AWPF) for grant #17-189WPF until September, 2020, due to delays in project permitting that were beyond our control. Although numerous delays have occurred, significant progress has been made on the project and the Town has incurred considerable expenses. The following timeline outlines the progress and time delays, additional materials are attached as proof of progress as noted below:

- April 13, 2017 - Town Council approves the grant contract #17-189WPF (Contract) with the AWPf for \$138,183.00 to utilize native cut materials for Erosion Control to Stabilize Soils and Restore Grasslands in the Upper Verde River Watershed (Project) (attached: RFCA_UVRWPC_AWPf Grant Agreement_20170413, AWPf Agreement _Scanned)
- April 13, 2017 - Town Council approves the Professional Services contract with Civiltec Engineering, Inc. for \$53,733.00 to complete Task 2 in the Contract. In addition, an optional task was approved for "Additional Scope of Services" totaling \$37,792.00 to complete Army Corps of Engineers permit applications. (attached: RFCA_UVRWPC_Civil Tech Prof Svc Agreement_20170413, Civiltech Contract)
- On May 15, 2017, the Town received a Temporary Access Permit from the Arizona State Land Department (ASLD) to access the project site, place survey markers and collect other measurements necessary to complete the Task 2 requirement. (attached: Letter Right of Entry Prescott Valley 20170504, ASLD Temp ROE)
- On June 6, 2017, stakeholders and representatives of various agencies visited the Perrin Ranch to review existing Juniper and rock erosion control structures as a condition of the Contract. Personnel included in the visit included the ranch owner, project site permittee and owner of Barney York Ranch LLC., Civiltec Engineering, Arizona State Land Department (ASLD), Natural Resources Conservation Service (NRCS), Arizona Department of Forestry and Fire Management (ADFFM), and Town Staff (attached: Picture Site Visit Perrin Ranch 1 and 2,)

- Between May and December, 2017, Civiltec Engineering completed the aerial surveys, hydrologic modelling and preliminary design plans for the improvement (attached: Picture X-SECT 101 (9), Picture X-SECT 115 (3)).
- In June, 2017, Juniper trees were cut as part of the USDA NRCS Environmental Quality Incentive Program. The Contract for this Project was programmed to take advantage of this existing work and to utilize the already downed material for the erosion control structures. Trees are actually lying across channel and simply need to be rotated 90 degrees, cut and anchored into place. (attached: Pictures – Cut Juniper on Site 1 and 2).
- In December, 2017, ADFFM notified the Town that it would provide financial assistance, sourced from the US Department of Agriculture Forest Service, to help complete this Project. Project work was delayed because of the complexity involved in combining federal funds to an existing, State-funded project.
- On March 22, 2018, the Town Council approved the grant agreement with ADFFM. The funds will offset some of the Town's commitments to the AWPFC Contract and expand the scope of the project to include using Juniper-chip wattles for erosion control on nearby private property on the Barney York Ranch. (attached: RFCA UVRWPC - Approve ADFFM Grant Agreement - Juniper Silt Dams, LSR 17-502 Signature Pages Final 20180330, LSR 17-502 Grant Final 20180330)
- On April 5, 2018, Stakeholders from the Town, ASLD, the Barney York Ranch (the Permittee) and Civiltec met to finalize construction plans. (attached: W433 - Juniper Silt Dams – Plans, see also subdirectory "Civiltec Invoices")
- On April 5, 2018, Town staff contacted the ASLD permitting section in Phoenix to request guidance on the type of permit required to construct the erosion control structures. Construction plans were submitted on April 6, 2018 along with project description. Several additional attempts were made to contact ASLD personnel to obtain an answer. These additional communications (email or phone) were made on 4/11, 4/20, 4/24, 5/01, 5/24, 6/11, 6/12, 6/18, 6/19, 7/05, 7/11, 7/23, & 8/13 without a determination from ASLD on which application type to apply for.
- In first quarter of 2018, Town made inquiries to AWPFC regarding status of document submission for Archaeological Clearance with State Historic Preservation Office (SHPO). AWPFC Interim Director was unaware of status, or if previous AWPFC Director Stephanie Smallhouse had forwarded the grant information to SHPO according to procedures. Town Consultant took on task to determine status directly with SHPO.
- On April 30, 2018, after about ten attempts at contact including phone messages, SHPO staff (J. Roth) finally answered the telephone. When asked about the status of the SHPO clearance, he confirmed that typically they receive project information from the Water Protection Fund when grants are awarded. He checked, but did not have the information. The SHPO forms included in the original grant application were forwarded to him via e-mail the same day by Consultant.
- On May 21, 2018, growing frustrated with a lack of response from ASLD, the Permittee, Barney York Ranch, LLC, applied for a Land Treatment Application permit, typical for this type of project and recommended by a range specialist with ADFFM who was working on an erosion control

project in southern Arizona. The application check was cashed, but ASLD did not issue the permit. (attached: Land Treatment Application signed 20180517, Application check cashed)

- June 2018, after six weeks passed with no response or action from SHPO, Town Staff reached out to Karen Modesto, interim director for the Water Protection Fund, for help.
- On June 8, 2018, an e-mail was received from David Jacobs at SHPO assigning Mary-Ellen Walsh to the project.
- On June 11, 2018, a call was received from Mary Ellen Walsh and the project information that had previously been forwarded to J. Roth was sent to Ms. Walsh.
- On July 25, 2018 SHPO documents were forwarded to Ruben Teran, the new director of the Water Protection Fund. There have been approximately three discussions with Mr. Teran outlining project difficulties.
- On August 29, 2018, ASLD issued an email response stating that they had determined the Town should apply for a Right-of-Way (ROW) permit. Follow up calls or emails from Town staff were made to clarify issues on 9/4 and 9/17. Communications were returned by ASLD on 9/19/2018.
- On September 9, 2018, the State Historic Preservation Office (SHPO) granted clearance to complete the site work - SHPO 2018-1677 (145067) (attached: SHPO-2018-1677(145067)-ADWR).
- On September 19, 2018, the US Army Corps of Engineers (ACOE) approved the 404 Nationwide Permit - SPL 2018-00400 (attached: 20180919_2018-00400_NWP43_SIGNED).
- On October 4, 2018, the Town submitted the completed application for a ROW permit. This included the determination from SHPO and the 404 Permit from ACOE. ASLD required issued permits from SHPO and ACOE as submittals for the ROW permit application #018-120427-00-100. (attached: ROW Applic Payment 20181004 signed, \$500 check scanned)
- On October 21, 2018, believing that the ASLD ROW permit would be issued in a timely fashion, the Town advertised the project for public bid in conformance with State and Town policy. Bid process included two weeks of advertisement in newspaper (10/21 and 10/28/2018), posting plans and bid documents on Town and several plan websites, pre-bid meeting and site visit with contractors on November 6, 2018 and bid submission and bid opening on November 26, 2018. (attached: W433 - Juniper Silt Dams - Bid Packet – see “Bid” subdirectory for the numerous prepared bid documents).
- On November 26, 2018, Town received five (5) qualified bids for the project. All bid amounts exceeded the project budget for construction (attached: W433 - Juniper Silt Dams - Bid Summary).
- On December 20, 2018, Town Council formally rejected all bids. Town staff and Civiltec Engineers began redesign of the project to reduce costs. (attached: RFCA 20181220 - W433 - Juniper Silt Dams - Reject Bids)
- On January 8, 2019, Town staff and Consultants met with ASLD ROW staff to clarify their questions on the permit application. ASLD notified Town personnel that this project is a priority for ASLD.
- On January 15, 2019, ASLD sent email notification that the previous SHPO clearance for the work was insufficient and the Town would have to conduct an Archaeological Survey of the project

site. Because the Town's Temporary Access Permit (see May 15, 2017 above) had expired, ASLD required the Town to obtain a new permit for the Archaeologist to enter the site for the survey.

- On January 16, 2019, Biozone, Inc. was contracted to complete the archaeological survey, but had to wait for reissuance of the Temporary Right of Entry Permit from ASLD.
- On February 15, 2019, the Town received an unsigned copy of the Temporary Right of Entry Permit. Recent rain and snow have made physical access difficult due to muddy conditions, or snow cover has made the survey impossible to conduct.

As demonstrated, the Town has actively moved the project forward and has been delayed primarily due to lack of responsiveness by the various State agencies involved in issuing permits along with other events outside of our control. To-date, the Town has expended all of the project costs under Task 2 of the Contract. The Town Consultant had discussed reimbursement with AWPf and was notified that the request would not be honored until all permitting processes were complete. Because of this, the Town has not submitted a request for reimbursement and has focused efforts on acquiring these permits.

Other project costs outside of the AWPf obligation have also been incurred by the Town. In addition to direct costs, town staff and consultants have dedicated more than 300 hours to project management and implementation. This does not include the dedication of the permittee and neighboring landowners, Barney York Ranch LLC., to completing the project by providing valuable input and access to the site through their property for the various technical personnel and contractors. As a result of the significant effort and the fact that another grant contract from ADFfM is supplementing costs and expanding the scope of the project, the Town respectfully requests this contract extension.

Please contact me for any additional questions.



Sincerely,
John Munderloh
Water Resources Manager
Town of Prescott Valley

Department of Water Resources
Water Protection Fund
FY19 Fund Activity
For the period July 1, 2018, through February 28, 2019

Description	1302 WPF - Grants	1303 WPF - Administration	Total
Beginning Fund Balance - 7/1/2018	\$ 2,521,310.06	\$21,257.24	\$2,542,567.30
Revenues:			
4600 Interest Income	\$5,526.46	\$29,207.91	\$34,734.37
4699 Interstate Water Sales (In Lieu Fee Funds)			\$0.00
4901 Receipts and Donations	\$425,000.00	\$80,221.27	\$505,221.27
Total - Revenues	\$430,526.46	\$109,429.18	\$539,955.64
Expenditures:			
Personal Services		\$75,963.60	\$75,963.60
Employee Related Expenditures		\$32,569.53	\$32,569.53
P & O (Grantee Payments & PY Expenses)	\$333,544.07		\$333,544.07
Travel - In-State			\$0.00
Travel - Out-of-State			
Other Operating Expenditures		\$485.76	\$485.76
Non-Capital Equipment			\$0.00
Indirect Costs			\$0.00
Operating Transfers - Out (Administrative)	\$80,221.27		\$80,221.27
Total - Expenditures	\$413,765.34	\$109,018.89	\$522,784.23
Fund Balance - March 31,2019	\$2,538,071.18	\$21,667.53	\$2,559,738.71
Less: Outstanding Encumbrances	(\$1,423,903.46)		(\$1,423,903.46)
FY 19 Uncommitted Balance	\$1,114,167.72	\$21,667.53	\$1,135,835.25

State of Arizona
House of Representatives
Fifty-fourth Legislature
First Regular Session
2019

HOUSE BILL 2013

AN ACT

APPROPRIATING MONIES TO THE ARIZONA WATER PROTECTION FUND.

(TEXT OF BILL BEGINS ON NEXT PAGE)

1 Be it enacted by the Legislature of the State of Arizona:

2 Section 1. Appropriation; Arizona water protection fund

3 The sum of \$1,000,000 is appropriated from the state general fund in
4 fiscal year 2019-2020 to the Arizona water protection fund established by
5 section 45-2111, Arizona Revised Statutes.

Bill History for HB2013

Sponsors	GRIFFIN	P	TOWNSEND	C								
Keywords	APPROPRIATIONS, APPROPRIATING MONIES, ARIZONA WATER PROTECTION FUND											
Short Title	appropriation; Arizona water protection fund											
House Committees	Assigned Date	Committee	Report Date	Action	Vote							
	1/15/2019	NREW	1/22/2019	DP	13-0-0-0-0-0							
	1/15/2019	APPROP	1/30/2019	DP	11-0-0-0-0-0							
		Notes	01/23/19 - HELD									
	1/15/2019	RULES	2/4/2019	C&P	8-0-0-0-0-0							
House First Read	1/15/2019											
House Second Read	1/16/2019											
Consent Calendar	2/4/2019	Object	No									
Majority Caucus	2/5/2019 Yes											
Minority Caucus	2/5/2019 Yes											
House Third Reading	Date	Ayes	Nays	NV	Exc	Vac	Emer	Amended	RFE	RFEIR	2/3 Vote	Action
	2/11/2019	60	0	0	0	0						PASSED
Transmit to Senate	2/11/2019											
Senate First Read	2/25/2019											
Senate Committees	Assigned Date	Committee	Report Date	Action	Vote							
	2/25/2019	APPROP		None	0-0-0-0-0-0							
	2/25/2019	WAG	3/7/2019	DP	7-0-0-0-0-0							
	2/25/2019	RULES		None	0-0-0-0-0-0							
Senate Second Read	2/26/2019											

SUMMARY OF ACTIVE GRANTS PROGRESS
March 26, 2019

14-182WPF: Arundo Eradication & Riparian Restoration of Sabino and Bear Creek, Tucson, AZ.

Grantee: University of Arizona
AWPF Grant Amount: \$51,262.00
Total Paid to Date: \$47,982.47
Contract Expiration Date: May 31, 2020

In 2016, the surveyor hired to conduct wildlife monitoring for the project quit, and the Grantee had issues trying to fill that vacancy. By the end of 2016 that vacancy was not able to be filled, and in 2018 it was requested to move funds from the wildlife monitoring budget to implement more invasive species removal and site maintenance work. In 2018 the Grantee requested a contract extension, and the agreement now has contract expiration date of May 31, 2020. The project is currently on track.

15-186WPF: Phase II Gila River Corridor Invasive Weed Control

Grantee: Coronado Resource Conservation & Development Area
AWPF Grant Amount: \$133,338.42
Total Paid to Date: \$ 90,267.89
Contract Expiration Date: April 30, 2019

The Grantee is currently implementing the final weed treatments and mapping activities for the project. The next deliverable is the project Final Report, and the grant award contract expires April 30, 2019.

17-188WPF: Apache & Navajo County Focal Area Watershed Improvement Project

Grantee: Arizona Association of Conservation Districts
AWPF Grant Amount: \$303,975.00
Total Paid to Date: \$ 77,175.00
Contract Expiration Date: July 31, 2019

A grant award contract extension was executed in November 2017 extending the expiration date to July 31, 2019. Phase I & Phase II of the juniper removal treatments on State Trust Lands have been completed. The Grantee is still awaiting permits from State Land Department to begin implementing treatments on State Trust lands for Phase III & Phase IV. However, archaeological clearances have been obtained on privately owned lands for Phase III & Phase IV, and treatments are currently being implemented on Phase III.

17-189WPF: Erosion Control to Stabilize Soils and Restore Historic Grasslands in the Upper Verde River Watershed

Grantee: Town of Prescott Valley
AWPF Grant Amount: \$138,183.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: April 30, 2019

The Grantee has experienced significant permitting delays that have been out of their control, which has delayed the overall implementation of this project. On March 6, 2019 the Grantee submitted a detailed letter with a timeline outlining the progress and delays for the project, and has requested a contract extension until September 2020. The AWPF grant award contract currently has a contract expiration date of April 30, 2019.

17-190WPF: River Restoration Through Hazardous Fuels and Invasive Species Removal

Grantee: Gila Watershed Partnership
AWPF Grant Amount: \$94,903.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: August 31, 2019

A grant award contract extension was executed in October 2018 extending the expiration date to August 31, 2019. In August 2018 staff has requested final copies of necessary permits, authorizations, and agreements necessary for the project, and clarification and/or updates on project work plans. In March 2019 another phone call and follow-up e-mail message was sent to the Grantee requesting an update on the project status and missing deliverables requested in August 2018, but the Grantee has not yet responded. To date, no deliverables/reports have been submitted to document implementing treatments, restoration, or monitoring activities. The final report for the project is due June 30, 2019.

17-191WPF: Verde River Habitat Improvement Project

Grantee: Friends of the Verde River
AWPF Grant Amount: \$246,448.00
Total Paid to Date: \$163,111.10
Contract Expiration Date: October 31, 2019

A contract extension was executed in October 2018 extending the expiration date to October 2019. The Grantee has hired contractors to assist in implementing vegetation monitoring and invasive vegetation removal activities within the project site, and the has hosted 2 volunteer events. All 297-acres of the project area have been retreated for invasive species. The project is currently on track with the next report deliverable due July 2019.

17-192WPF: Lower Verde River Riparian Restoration Project

Grantee: Ft. McDowell Yavapai Nation
AWPF Grant Amount: \$113,896.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: October 31, 2020

A grant award contract extension was executed in October 2018 extending the expiration date to October 31, 2019. The Grantee has recently completed the permitting and site analysis phase of the project, and will be starting the invasive species removal activities in March 2019. Plans for the pilot-site restoration and project monitoring activities are currently being reviewed by AWPF staff.

19-193WPF: Verde River-Oak Creek Confluence Habitat Improvement Project

Grantee: Friends of the Verde River
AWPF Grant Amount: \$ 292,451.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: December 31, 2021

The grant award contract was executed in February 2019. The grantee is in the permitting phase of the project.

***19-194WPF: Davis Cattle Co. Grassland Restoration**

Applicant: Arizona Association of Conservation Districts
AWPF Grant Award: \$341,626.00

The grant award contract is currently being negotiated. It is anticipated that an agreement will be executed in early April 2019.

19-195WPF: Gila Valley Irrigation District Rapid Appraisal for Modernization

Grantee: Gila Valley Irrigation District
AWPF Grant Amount: \$32,982.50
Total Paid to Date: \$ 0.00
Contract Expiration Date: June 30, 2020

The grant award contract was executed in February 2019. The final AWPF grant amount was reduced from \$63,932.50 to 32,982.50 because the Grantee was able to secure a grant from the Bureau of Reclamation for this project. Prior to executing the AWPF agreement, the Grantee used external funds to hire California Polytechnic State University to complete the initial rapid appraisal of the Gila Valley Irrigation District's infrastructure. AWPF funds will be used to complete the next phase of the appraisal and for public outreach activities.

***19-196WPF: Do Native Fish Facilitate the Persistence of Endangered Spikedace by Resuspending Food Particles**

Applicant: Northern Arizona University
AWPF Grant Award: \$32,496.00

The grant award contract has not yet been developed. Clarification is necessary regarding the applicant's control and tenure to implement the project since research activities were going to be taking place on USDA Forest Service (USFS) managed lands. The application stated that coordination had taken place with USFS staff, and that a research permit for the project would be obtained in the fall of 2018. Per the staff review of the application, it was stated that a grant award contract would not be developed until the applicant provided a letter of support or other documentation that the project was supported by the USFS. Staff followed-up with the applicant again in February & March 2019 by telephone and e-mail to get an update.

Per response from the applicant on March 18, 2019, letters of support are to be submitted by the USFS the Bureau of Land Management (BLM). Please note that the grant application did not identify BLM managed lands as part of the grant application, but it appears that these lands may now be considered as part of the project area.

19-197WPF: Bill Williams Mountain Forest and Watershed Restoration Project

Grantee: National Forest Foundation
AWPF Grant Amount: \$315,000.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: June 30, 2021

The grant award agreement was executed March 8, 2019. No other information to report at this time.

19-198WPF: Granite Creek Corridor Enhancement Master Plan

Grantee: City of Prescott
AWPF Grant Amount: \$79,401.00
Total Paid to Date: \$ 0.00
Contract Expiration Date: October 30, 2020

The grant award agreement was executed March 5, 2019. No other information to report at this time.

***19-99WPF: Headwater Stream Restoration: Coyote Springs, Museum of Northern Arizona, Flagstaff**

Applicant: Museum of Northern Arizona / Springs Stewardship
AWPF Grant Award: \$31,846.00

Review of the grant application identified that the surface water rights for the project may not be applicable for the intended purpose of the project. The staff review stated that a grant award contract would not be drafted until the applicable surface water right(s) and ownership information was clarified. Upon further review from ADWR and their discussions with the grant applicant, it was determined that severance and transfer of Certificate of Water Right No. 2919 would be necessary. On March 1, 2019 staff was informed that the Museum of Northern Arizona Board of Directors approved moving forward with a sever and transfer option for changing the use of Coyote Springs from domestic to wetland purposes. This process could take up to one calendar year.

A draft of the grant award contract is currently in development, and it will include a provision that the severance and transfer of Certificate of Water Right No. 2919 be complete before any other grant related actions take place. If the severance and transfer is not successful, the matter will be brought forth to the Commission for further discussion.

***19-200WPF: American Gulch Channel and Riparian Enhancement**

Applicant: Town of Payson
AWPF Grant Award: \$202,556.00

The grant award contract is currently being negotiated. It is anticipated that an agreement will be executed in early April 2019.

***19-201WPF: Webber Creek Sediment Control Project**

Applicant: Boy Scouts of America - Grand Canyon Council
AWPF Grant Award: \$166,057.50

Following the grant award selection meeting, staff was notified that the applicant received a grant from the Arizona Department of Environmental Quality (ADEQ) for a very similar scope of work as the AWPF application in the same project area. Because the scope of work is similar for both projects, the site assessment and master plan phase of the project in the AWPF application was able to be started with ADEQ funds. With both grants, the applicant may expand the existing scope of the project to complete more erosion control activities in the project area that originally anticipated. A draft of the grant award contract was sent to the applicant for review in January 2019. Based on the site assessment and master plan development, updates to the existing scope of work may be proposed to identify what would be implemented with AWPF funds.

Arizona Department of Water Resources
Status of Active WPF Contracts
(as of February 28, 2019)

Grant Number	Grantee	Grant Amount	Payment Amount	Funds Obligated	Expiration Date
14-182	University of Arizona	51,262.00	47,382.47	3,879.53	5/31/2020
	AY 14 SUBTOTAL	51,262.00	47,382.47	3,879.53	
15-186	Coronado Resources Conservation & Development Area	133,338.42	90,267.89	43,070.53	4/30/2019
	AY 15 SUBTOTAL	133,338.42	90,267.89	43,070.53	
17-188	Az. Association of Conservation Districts	303,975.00	77,175.00	226,800.00	7/31/2019
17-189	Town of Prescott Valley	138,183.00	-	138,183.00	4/30/2019
17-190	Gila Watershed Partnership	94,903.00	-	94,903.00	8/31/2019
17-191	Friends of the Verde River Greenway	246,448.00	163,111.10	83,336.90	10/31/2019
17-192	Fort McDowell Yavapai Nation	113,896.00	-	113,896.00	10/31/2020
	AY 17 SUBTOTAL	897,405.00	240,286.10	657,118.90	
19-193	Friends of the Verde River	292,451.00	-	292,451.00	12/31/2021
19-195	Gila Valley Irrigation District	32,982.50	-	32,982.50	6/30/2020
19-197	National Forest Foundation	315,000.00	-	315,000.00	6/30/2021
19-198	City of Prescott	79,401.00	-	79,401.00	10/31/2020
	AY 19 SUBTOTAL	719,834.50	-	719,834.50	
TOTAL ACTIVE GRANTS		1,801,839.92	377,936.46	1,423,903.46	

**A POLICY RESOLUTION OF THE ARIZONA WATER
PROTECTION FUND COMMISSION REGARDING**

**THE ARIZONA OPEN MEETING LAW AND THE POSTING OF
NOTICES AND INFORMATION REGARDING THE MEETINGS AND
ACTIVITIES OF THE COMMISSION**

WHEREAS, The Arizona Open Meeting Law was passed by the legislature to insure that the work of public bodies was open to the public; and

WHEREAS, The Arizona Water Protection Fund Commission is a public Body subject to the provisions of the Open Meeting Law; and

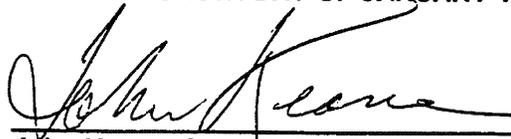
WHEREAS, The Arizona Water Protection Fund Commission is a public Body subject to the provisions of the Open Meeting Law; and

WHEREAS, The Arizona Water Protection Fund Commissions finds that the public notice requirements of the Arizona Open Meeting Law represent a minimalist approach which will not fully meet the needs of the Commission.

NOW, THEREFORE BE IT RESOLVED That all notices of commission meetings, hearings, or other deliberations as well as notices or information, relating to the availability of monies or the granting of monies for the purposes for which the commission was established shall at a minimum be posted and published in appropriate locations in the following cities in Arizona:

1. Cottonwood
2. Flagstaff
3. Havasu City
4. Kingman
5. Nogales
6. Phoenix
7. Prescott
8. Safford
9. Show Low
10. Sierra Vista
11. Tucson
12. Yuma

DATED THIS 19TH DAY OF JANUARY 1995



John Keane, Commission Chairperson

**ARIZONA WATER PROTECTION FUND COMMISSION
STATEMENT OF POLICY**

Noticing the Affected Public

The Commission decided that a copy of the one page summary and project location map for each proposal be provided to each county officer for public review. Notices listing applicant names, project descriptions and locations, and the requested funding will be provided. These notices will be sent to everyone on the AWPf mailing list and all the affected parties listed in the statutes governing the fund. A notice will also be provided to the primary newspaper serving each county. Full copies of each proposal will be available to the public from a contracted printing business for a fee. Information will be provided in the mailings and the newspapers on how these may be obtained.

ADOPTED by the Commission
at its public meeting of May 23,
1995.

Pursuant to A.R.S. § 38-431.02(A)(1), public notices of the meetings of the following public bodies will be posted at the locations indicated below.

Groundwater Users Advisory Councils:

All public notices of meetings of the Groundwater Users Advisory Councils (“GUAC”) for the Phoenix, Pinal, Prescott, Santa Cruz and Tucson Active Management Areas and any of their subcommittees will be physically posted at the Arizona Department of Water Resources, 1110 W. Washington, Phoenix, Arizona, in the first floor lobby on the buildings "Notices" board, which is open to the public Monday through Friday, 8:00 a.m. to 5:00 p.m., except legal holidays and state furlough days. Public notices of meetings of the GUACs and any of their subcommittees also will be electronically posted at the following location on ADWR’s website: www.azwater.gov/AzDWR/Legal/PublicMeetingNotices.htm.

Arizona Water Protection Fund Commission:

All public notices of meetings of the Arizona Water Protection Fund (“AWPF”) Commission and any of its subcommittees will be physically posted at the Arizona Department of Water Resources, 1110 W. Washington, Phoenix, Arizona, in the first floor lobby on the buildings "Notices" board, which is open to the public Monday through Friday, 8:00 a.m. to 5:00 p.m., except legal holidays and state furlough days. Public notices of meetings of the AWPF Commission and any of its subcommittees also will be electronically posted on AWPF’s website at www.azwpf.gov.

Arizona Water Banking Authority Commission:

All public notices of meetings of the Arizona Water Banking Authority (“AWBA”) Commission and any of its subcommittees will be physically posted at the Arizona Department of Water Resources, 1110 W. Washington, Phoenix, Arizona, in the first floor lobby on the buildings "Notices" board, which is open to the public Monday through Friday, 8:00 a.m. to 5:00 p.m., except legal holidays and state furlough days. Public notices of meetings of the AWBA Commission and any of its subcommittees also will be electronically posted on AWBA’s website at www.azwaterbank.gov

Notices of all other public meetings scheduled at the Arizona Department of Water Resources will be electronically posted at the following location on ADWR’s website: www.azwater.gov/AzDWR/Legal/PublicMeetingNotices.htm.

45-2105. Application guidelines

Before any monies are granted pursuant to section 45-2113, and by July 1, 1995, and every three years thereafter, the commission shall develop in conjunction with the department guidelines for applicants for funding. Guidelines shall include the following:

1. Delineation of geographic areas in this state where protection and restoration will be emphasized.
2. Identification of issues of concern.
3. Types of measures needed to address issues of concern.
4. A requirement that the applicant include a description of the relationship between the proposed project and existing plans, reports and information that are relevant to the proposed project.

45-2106. Public involvement

A. The commission is subject to the provisions of title 38, chapter 3, article 3.1 and title 39, chapter 1.

B. The commission shall develop and may amend the guidelines for applicants required by section 45-2105 after reviewing the recommendations submitted by the natural resource conservation districts developed pursuant to section 37-1054, subsections D and E and the information gathered during the public involvement process.

C. The commission shall gather information from the following:

1. The director of the department of water resources and the state land commissioner.

2. The federal and state fish, wildlife, recreation and natural resource agencies.

3. County and municipal entities.

4. The public.

D. The commission shall develop procedures to assure adequate public participation. At a minimum, public participation procedures shall prescribe public notice requirements including the content and publication of the notice, provide an opportunity for public hearings and specify the procedures governing the hearings and require the public availability of relevant documents. Public hearings shall be held at places and times which afford a reasonable opportunity to persons to participate.

E. The commission shall make available for viewing copies of the recommendations and supporting documents submitted pursuant to this section and may charge a reasonable fee for copying.

Arizona Water Protection Fund Commission

Fiscal Year 2020 PROPOSED Grant Application Process Schedule

FY2020 Proposed Grant Application Process Schedule*	Timeline
Applications available	July 8, 2019 (on-going)
Application workshop	July 24, 2019
Pre-application consultations (depending on staff availability)	July - August 2019
Final date and time to submit applications	September 6, 2019 at 3:00 PM
Public comment period for applications	September 18 – November 1, 2019
Staff review comments to applicants / Commission	No later than November 15, 2019
Applicant presentations / Commission grant selections	November 20 – 21, 2019
Applicants notified of funding status	December 2019
Staff begins writing grant contracts	December 2019 / January 2020

*The Commission reserves the right to adjust this schedule if necessary.

Upper Verde Habitat Improvement

Grant #15-187

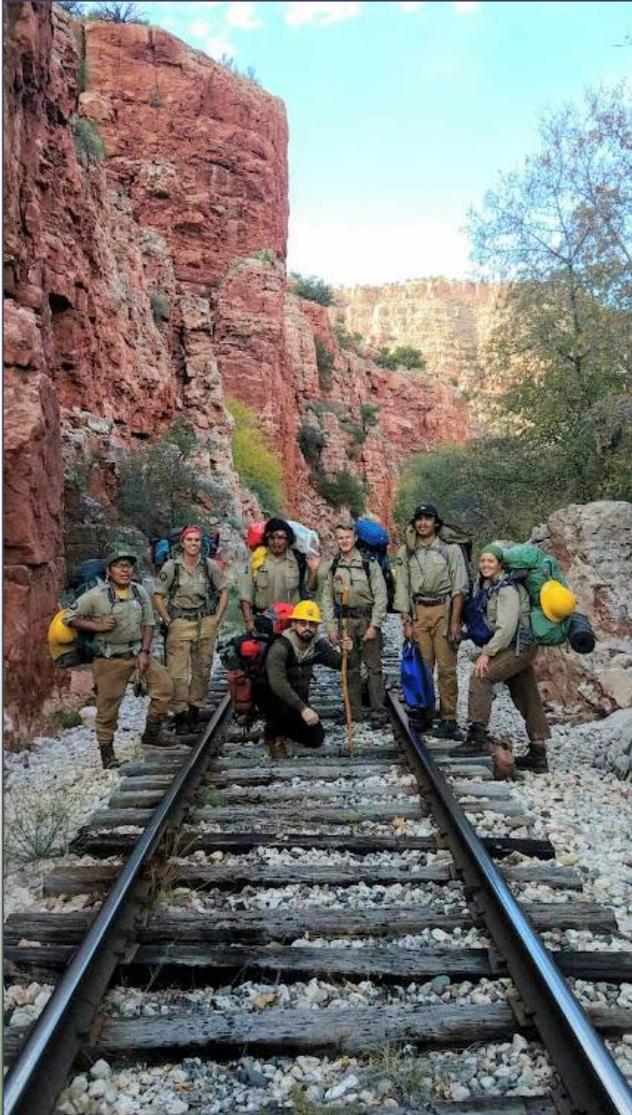
Tracy Stephens, Manager

Ben Kowalewski, Program Coordinator

Elaine Nichols, Field Supervisor

Upper Verde Habitat Improvement Project

- Grant #15-187, 2015 - 2018
- Retreatment of Invasive Plants in the Upper Verde
 - Granite Creek to Upper TAPCO
- Three-year cycle of monitoring, treatment and retreatment
- Over 1,500 acres along more than 20 river-miles





Russian Olive



Tree of Heaven



Tamarisk



Giant reed
Arundo donax
Photo by Ann Murray
© 1999 University of Florida

Arundo

Verde Watershed Restoration Coalition

- Since 2012, VWRC has been hard at work removing invasive plant species from the Verde River Watershed, an initiative led by Friends of the Verde River.
- Collaboration
 - Private landowners
 - Organizations
 - Municipalities
 - Tribal, State and Federal agencies

Treatment Process

- Coordination of Crews
- Very remote project area
- Invasive species inventory
- Hand Treatment
- Herbicide Application



Below Campbell Ranch

Public Outreach

VWRC Upper Verde Habitat Improvement Project

A Project Funded by Arizona Water Protection Fund

The Verde Watershed Restoration Coalition (VWRC) is a collaborative effort uniting landowners, organizations and agencies in their common interest of improving riparian health in the Verde River Watershed.

This project, funded by AZWPF, is working to remove woody invasive plants such as tamarisk and Tree of Heaven from the upper reaches of the Verde River in order to restore its important riparian habitat.

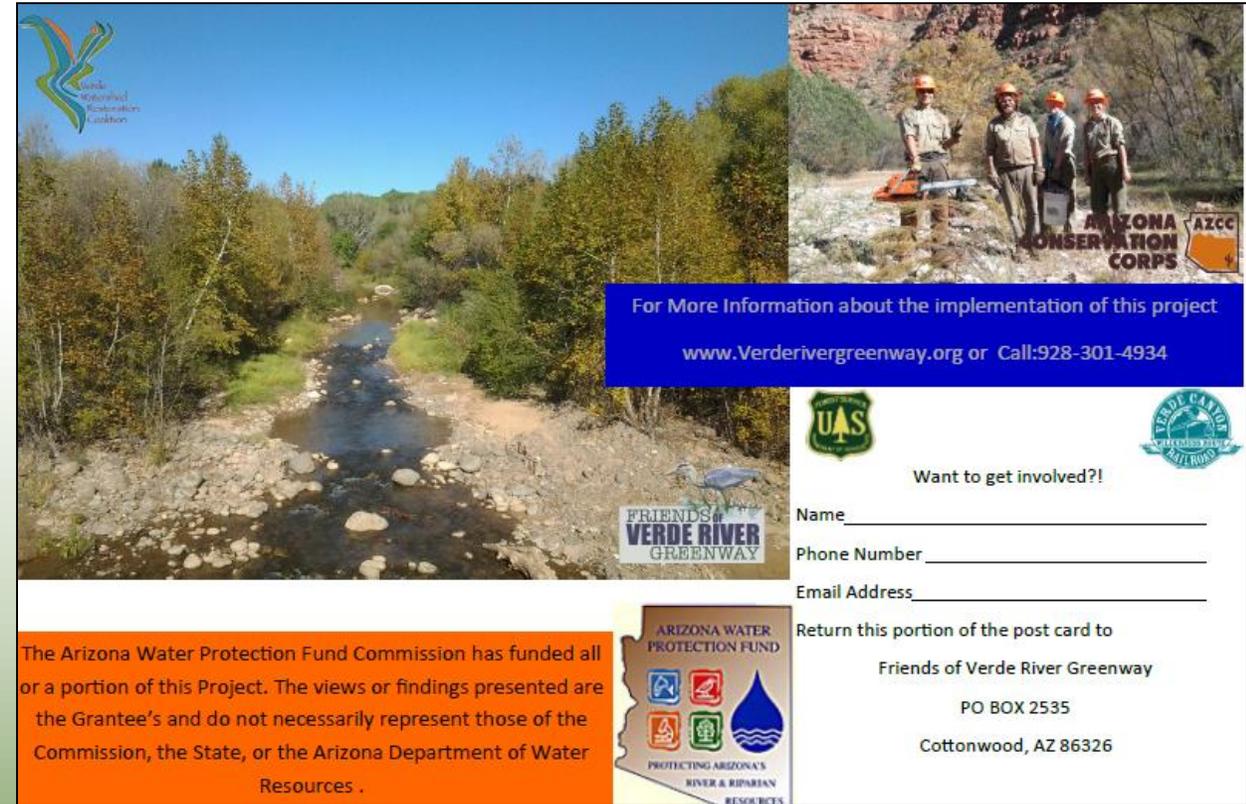
DID YOU KNOW?

- The Verde River is one of the most substantial free flowing rivers in Arizona
- It supports people, wildlife and biodiversity
- The river is a recreational and economic resource to our community

DID YOU KNOW?

Invasive plants are threatening this resource by

- Significantly altering habitat, soils, fire regimes and river geomorphology
- Outcompeting native plants
- Negatively affecting the health and sustainability of the river



For More Information about the implementation of this project
www.Verderivergreenway.org or Call: 928-301-4934

Want to get involved?!

Name _____
 Phone Number _____
 Email Address _____

Return this portion of the post card to
 Friends of Verde River Greenway
 PO BOX 2535
 Cottonwood, AZ 86326

ARIZONA WATER PROTECTION FUND
 PROTECTING ARIZONA'S RIVER & RIPARIAN RESOURCES

Front

Back

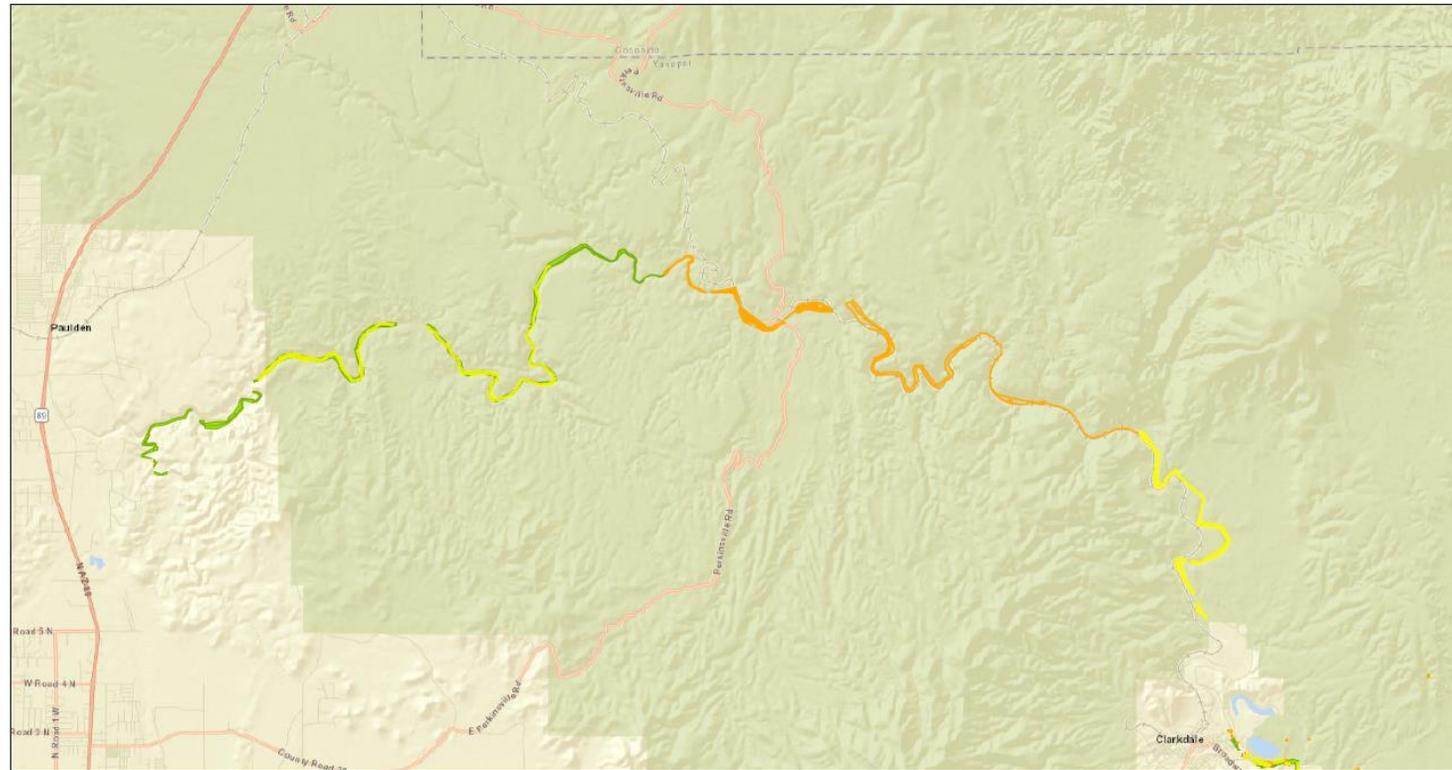
Partners (for this project)

- Prescott National Forest
- Coconino National Forest
- Crews
 - Arizona Conservation Corps
 - Vets 4 Hire
- Verde Canyon Railroad
- Arizona Game and Fish
- Little Thumb Butte Bed and Breakfast



Below Campbell Ranch

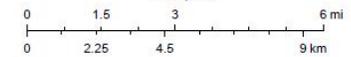
AZWPF Treatment Areas



March 25, 2019

- █ Treatments in 2015-2016
- █ Treatments in 2016-2017
- █ Treatments in 2017-2018

1:144,448



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community



Verde Ranch



Below Perkinsville

Challenges

- Communication
- Resupply
- Mapping Accuracy

Successes

- Entire project area complete
- Coordination with partners
- Outreach to public



Next Funding

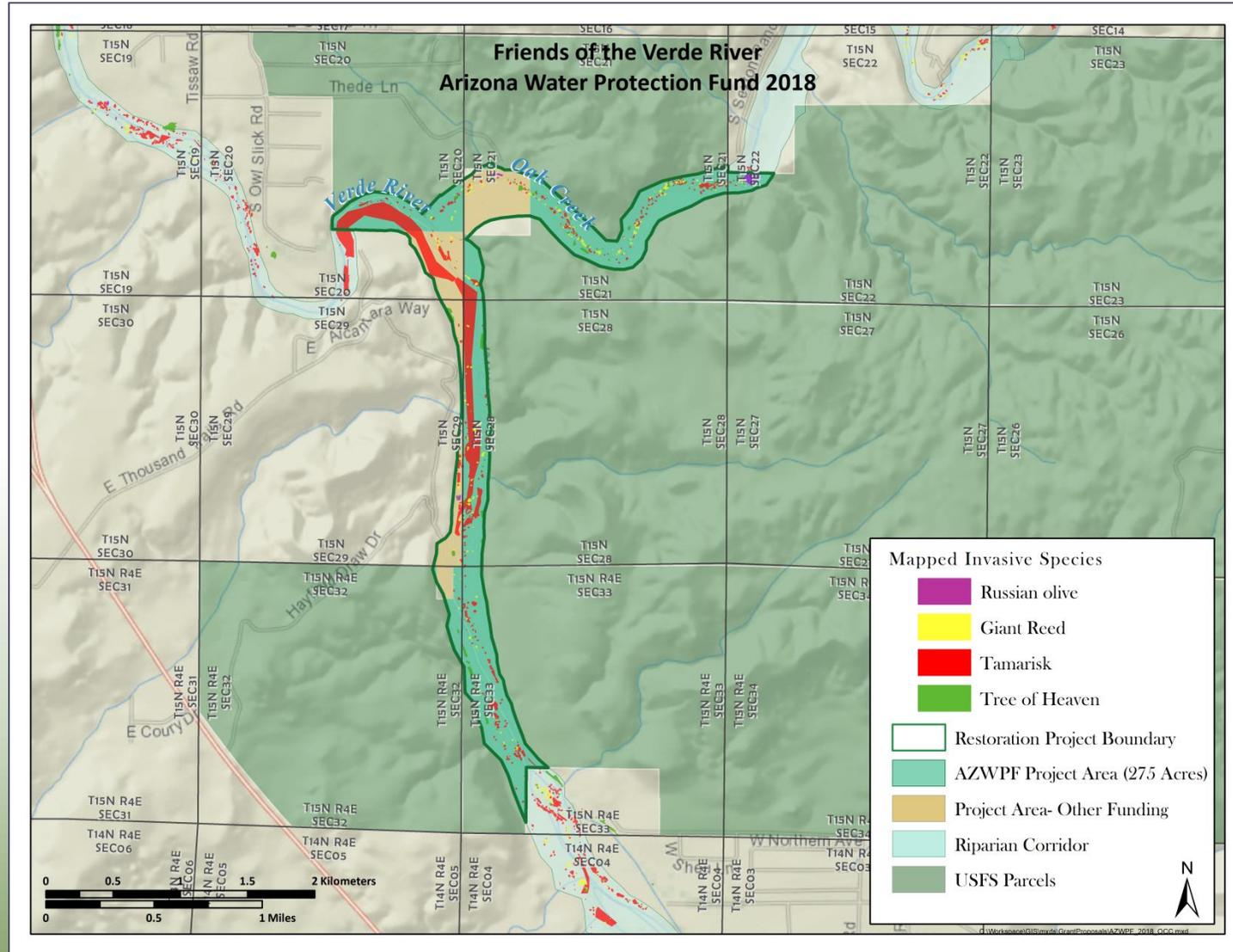
- AZWPF #19-193
- Oak Creek Confluence
- Coconino National Forest
- Alcantara Vineyards
- Private Residence
- Thousand Trails RV Park

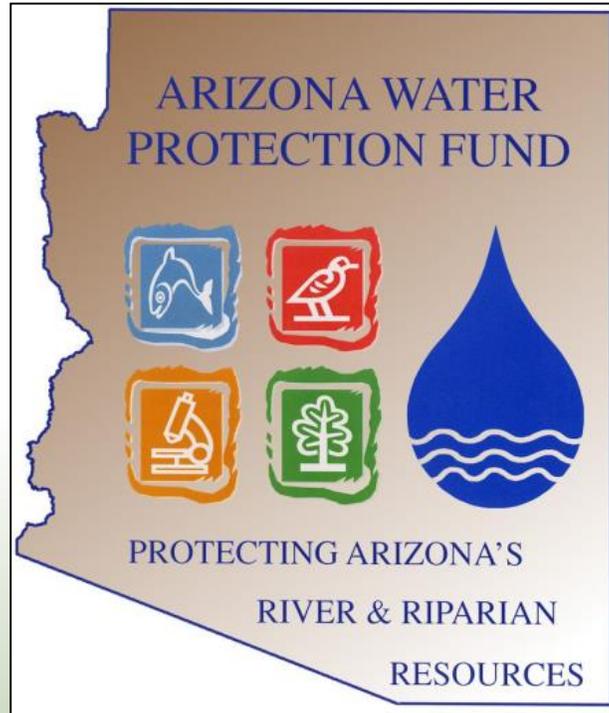


Before



After







May 21, 2019

Mr. Reuben Teran
Arizona Water Protection Fund
Arizona Department of Water Resources
1110 W. Washington St, Suite 310
Phoenix, Az 85007

Dear Mr. Teran and Commissioners,

I am writing to you on behalf of the Fort McDowell Yavapai Nation to inform you that we have found a mistake in the budget that was initially submitted for our AWPf grant proposal. The error occurs in Task #6 of the budget. The issue is that only some of the budget line items were included in the subtotal and some were accidentally omitted. I have included an external file with highlights to easily show you our mistake. If you look at the equation used in line 125, you will see that we only added items 106-112, omitting lines 113-124. This results in a difference of \$20,675.00. The first phase of Task #6 has already been completed by removing tamarisk from the 30-acre pilot site and will complete the retreatment efforts in the fall of 2019. We are asking if the AWPf would be able to amend our contract and increase the budget by \$20,675.00 to be able to pay for the entirety of Task #6.

Please advise us of your decision and any next steps.

Regards,

Mark Frank, Acting Director
Community & Economic Development Division
Fort McDowell Yavapai Nation
480-789-7163 or mfrank@fmyn.org

	A	B	C	D	E	F	G
1	DETAILED BUDGET BREAKDOWN						
2	Fort McDowell Yavapai Nation						
3	Lower Verde River Restoration Project						
4	AWPF Funding Request						
5	Item	Item/Hours	Unit	Rate	Matching	Total	
6	Task #1 Permits, Authorizations, Clearances and Agreements						
7	Wetland Delineation						
8	Environmental Coordinator FMYN	40	Hours	\$ 105.00	\$ 4,200.00		
9	Assist Environmental Dept. with Consultation with USFWS, AZGF, and ACOE						
10	Principal Biologist and Certified Delineator	8	Hours	\$105.00		\$ 840.00	
11	Biological Assessment for Pilot Project Site						
12	Principal Biologist, MS	24	Hours	\$105.00		\$ 2,520.00	
13	Other direct costs:						
14	Per Diem	2	Days	\$150.00		\$ 300.00	
15	Mileage	400	Miles	\$0.54		\$ 216.00	
16	Printing	1	Lump	\$75.00	\$ 75.00		
17	Subtotal					\$ 3,876.00	
18	Administration: (5%)					\$ 193.80	
19	Total for Task #1				\$ 4,275.00	\$ 4,069.80	
20	AWPF Funding Request						
21	Item	Item/Hours	Unit	Rate	Matching	Total	
22							
23	Task #2: Retreat giant reed & tree tobacco along the Verde River and at the Fort McDowell Materials Plant (2017 & 2018)						
24	Licensed Herbicide Applicator	92	Hours	\$ 50.00		\$ 4,600.00	
25	Laborer	92	Hours	\$ 45.00		\$ 4,140.00	
26	Landscape Architect, RLA	8	Hours	\$ 85.00		\$ 680.00	
27	Data Summaries and Report (2018, 2019)						
28	Biologist, MS	32	Hours	\$ 85.00		\$ 2,720.00	
29	Other Direct Costs						
30	Inflatable Kayak (2)	10	days	\$ 36.00		\$ 360.00	
31	Herbicide (imazapyr)	1	Lump	\$ 313.78		\$ 313.78	
32	Per Diem	20	Days	\$ 150.00		\$ 3,000.00	
33	Mileage	700	Miles	\$ 0.54		\$ 378.00	
34	Printing	1	Lump	\$ 50.00	\$ 50.00		
35	Subtotal					\$ 16,191.78	
36	Administration: (5%)					\$ 809.59	
37	Total for Task #2				\$ 50.00	\$ 17,001.37	

	A	B	C	D	E	F	G
38		AWPF Funding Request					
39	Item	Item/Hours	Unit	Rate	Matching	Total	
40	Task #3: Depth to Water and Soil Salinity Analysis (Matching Funds)						
41	Hydrologist, FMYN	12	Hours	\$ 105.00	\$ 1,260.00		
42	Principal Biologist, MS	24	Hours	\$ 105.00		\$ 2,520.00	
43	Laborer	24	Hours	\$ 45.00		\$ 1,080.00	
44	Autocadd/GIS Operator	3	Hours	\$ 65.00		\$ 195.00	
45	Report on Analysis, Ecologist, MS	8	Hours	\$ 85.00		\$ 680.00	
46	Other Direct Costs						
47	Per Diem	2	Days	\$ 150.00		\$ 300.00	
48	Mileage	350	miles	\$ 0.54		\$ 189.00	
49	Printing	1	Lump	\$ 50.00	\$ 50.00		
50	Soil Samples	1	Lump	\$ 550.00		\$ 550.00	
51	Subtotal					\$ 5,514.00	
52	Administration: (5%)					\$ 275.70	
53	Total for Task #3				\$ 1,310.00	\$ 5,789.70	
54		AWPF Funding Request					
55	Item	Item/Hours	Unit	Rate	Matching	Total	
56	Task #4 Develop a Restoration Manual for invasive plant management and riparian restoration plan for the lower Verde River						
57	Invasive plant treatment						
58	Principal Biologist, MS	24	Hours	\$ 105.00		\$ 2,520.00	
59	Landscape Architect, RLA	4	Hours	\$ 85.00		\$ 340.00	
60	Restoration techniques						
61	Principal Biologist, MS	16	Hours	\$ 105.00		\$ 1,680.00	
62	Landscape Architect, RLA	16	Hours	\$ 85.00		\$ 1,360.00	
63	Monitoring plan						
64	Principal Biologist, MS	16	Hours	\$ 105.00		\$ 1,680.00	
65	Landscape Architect, RLA	2	Hours	\$ 85.00		\$ 170.00	
66	Autocadd/Arcview Operator	4	Hours	\$ 65.00		\$ 260.00	
67	High priority site selection						
68	Enivronmental Director , FMYN	8	Hours	\$ 105.00	\$ 840.00		
69	Hydrologist, FMYN	8	Hours	\$ 90.00	\$ 720.00		
70	Principal Biologist, MS	32	Hours	\$ 105.00		\$ 3,360.00	
71	Landscape Architect, RLA	32	Hours	\$ 85.00		\$ 2,720.00	
72	GIS Specialist	8	Hours	\$ 85.00			
73	Updates to Restoration Manual (2018 & 2019)						
74	Principal Biologist, MS	8	Hours	\$ 105.00		\$ 840.00	

	A	B	C	D	E	F	G	
75	Landscape Architect, RLA	8	Hours	\$ 85.00		\$ 680.00		
76	Other Direct Costs							
77	Ground Truth Potential Project Sites Travel Estimated	6	Days	\$ 150.00		\$ 900.00		
78	Ground Truth Mileage	450	Miles	\$ 0.54		\$ 243.00		
79	Subtotal					\$ 16,753.00		
80	Administration: (5%)					\$ 837.65		
81	Total for Task #4				\$ 1,560.00	\$ 17,590.65		
82		AWPF Funding Request						
83	Item	Item/Hours	Unit	Rate	Matching	Total		
84	Task #5 Develop Invasive Plant Removal and Restoration Plan for the Pilot Project Site							
85	Invasive Plant Removal Plan for the Pilot Project Site							
86	Principal Biologist, MS	8	Hours	\$ 105.00		\$ 840.00		
87	Landscape Architect, RLA	8	Hours	\$ 85.00		\$ 680.00		
88	Autocadd/GIS Operator	4	Hours	\$ 65.00		\$ 260.00		
89	Restoration Plan for the Pilot Project Site							
90	Hydrologist, FMYN	4	Hours	\$ 105.00	\$ 420.00			
91	Principal Biologist, MS	8	Hours	\$ 105.00		\$ 840.00		
92	Landscape Architect, RLA	18	Hours	\$ 85.00		\$ 1,530.00		
93	Autocadd/Arcview Operator	6	Hours	\$ 65.00		\$ 390.00		
94	Updates to Pilot Project Plan (2018 & 2019)							
95	Principal Biologist, MS	8	Hours	\$ 105.00		\$ 840.00		
96	Landscape Architect, RLA	8	Hours	\$ 85.00		\$ 680.00		
97	Other Direct Costs							
98	Printing	1	Lump	\$ 100.00		\$ 100.00		
99	Subtotal					\$ 6,160.00		
100	Administration: (5%)					\$ 308.00		
101	Total for Task #5				\$ 420.00	\$ 6,468.00		
102		AWPF Funding Request			Matching			
103	Item	Item/Hours	Unit	Rate		Total		
104	Task #6: Implement the Invasive Plant Removal Plan at the Pilot Project Site							
105	Plant Removal							
106	Landscape Architect, RLA	16	Hours	\$ 85.00		\$ 1,360.00		
107	Crew Leader	138	Hours	\$ 55.00		\$ 7,590.00		
108	Labor	258	Hours	\$ 45.00		\$ 11,610.00		
109	Equipment	1	Lump	\$ 500.00		\$ 500.00		
110	Licensed Herbicide Applicator	138	Hours	\$ 50.00		\$ 6,900.00		
111	Other Direct Costs							

	A	B	C	D	E	F	G	
112	Herbicide (imazapyr)	1	Lump	\$ 300.00		\$ 300.00		
113	Per Diem	60	Days	\$ 150.00		\$ 9,000.00		
114	Mileage	1050	miles	\$ 0.54		\$ 567.00		
115	Retreat							
116	Landscape Architect, RLA	14	Hours	\$ 85.00		\$ 1,190.00		
117	Crew Leader	46	Hours	\$ 55.00		\$ 2,530.00		
118	Labor	46	Hours	\$ 45.00		\$ 2,070.00		
119	Equipment	1	Lump	\$ 350.00		\$ 350.00		
120	Licensed Herbicide Applicator	46	Hours	\$ 50.00		\$ 2,300.00		
121	Other Direct Costs							
122	Herbicide (imazapyr)	1	Lump	\$ 175.00		\$ 175.00	\$ 20,675.00	
123	Per Diem	15	Days	\$ 150.00		\$ 2,250.00		
124	Mileage	450	miles	\$ 0.54		\$ 243.00	\$ 48,935.00	
125	Subtotal					\$ 28,260.00	*The equation for the subtotal only added lines 106-112, omitting 113-124. This means that the subtotal should be \$48,935 instead of \$28,260 for a difference of \$20,675.	
126	Administration: (5%)					\$ 1,413.00		
127	Total for Task #6					\$ 29,673.00		
128		AWPF Funding Request						
129	Item	Item/Hours	Unit	Rate	Matching	Total		
130	Task #7: Implement Phase 1 of the Restoration Plan for the Pilot Project Site							
131	Harvesting Plant Material							
132	Principal Biologist, MS	16	Hours	\$ 105.00		\$ 1,680.00		
133	Laborer	16	Hours	\$ 45.00		\$ 720.00		
134	Other Direct Costs:							
135	Per Diem	4	Days	\$ 150.00		\$ 600.00		
136	Mileage	350	Miles	\$ 0.54		\$ 189.00		
137	Planting Labor							
138	Landscape Architect	30	hours	\$ 85.00		\$ 2,550.00		
139	Crew Leader	30	hours	\$ 55.00		\$ 1,650.00		
140	FMYN Youth Corps	96	hours	\$ 55.00	\$ 5,280.00			
141	Annual Report on Phase 1 restoration implementation (2018 & 2019)							
142	Ecologist, MS	18	Hours	\$ 85.00		\$ 1,530.00		
143	Other Direct Costs:							
144	Travel Mileage	400	Miles	\$ 0.54		\$ 216.00		
145	Per Diem	6	Days	\$ 150.00		\$ 900.00		
146	Bobcat with Auger	1	Days	\$ 550.00		\$ 550.00		

	A	B	C	D	E	F	G	
147	Water Auger and Water Pump	2	Days	\$ 250.00		\$ 500.00		
148	Fencing supplies	1	Lump	\$ 800.00		\$ 800.00		
149	Tools	1	Lump	\$ 225.00		\$ 225.00		
150	Subtotal					\$ 12,110.00		
151	Administration: (5%)					\$ 605.50		
152	Total for Task #7				\$ 5,280.00	\$ 12,715.50		
153		AWPF Funding Request						
154	Item	Item/Hours	Unit	Rate	Matching	Total		
155	Task #8: Monitoring Plan							
156	Pre-work Monitoring at Pilot Project Site (June 2017)							
157	Hydrologist	8	Hours	\$ 105.00	\$ 840.00			
158	Ecologist, MS	24	Hours	\$ 85.00		\$ 2,040.00		
159	Laborer	24	Hours	\$ 45.00		\$ 1,080.00		
160	Plant Monitoring Report,; Ecologist, MS	16	Hours	\$ 85.00		\$ 1,360.00		
161	Other Direct Costs:							
162	Travel Mileage	400	Miles	\$ 0.54		\$ 216.00		
163	Per Diem	6	Days	\$ 150.00		\$ 900.00		
164	Post-work Monitoring at Pilot Project Site (April 2017)							
165	Hydrologist	8	Hours	\$ 105.00	\$ 840.00			
166	Ecologist, MS	16	Hours	\$ 85.00		\$ 1,360.00		
167	Laborer	16	Hours	\$ 45.00		\$ 720.00		
168	Plant Monitoring Report,; Ecologist, MS	16	Hours	\$ 85.00		\$ 1,360.00		
169	Other Direct Costs:							
170	Travel Mileage	400	Miles	\$ 0.54		\$ 216.00		
171	Per Diem	4	Days	\$ 150.00		\$ 600.00		
172	Post-work Monitoring at Pilot Project Site (April 2018)							
173	Hydrologist	8	Hours	\$ 105.00	\$ 840.00			
174	Ecologist, MS	16	Hours	\$ 85.00		\$ 1,360.00		
175	Laborer	16	Hours	\$ 45.00		\$ 720.00		
176	Plant Monitoring Report,; Ecologist, MS	8	Hours	\$ 85.00		\$ 680.00		
177	Other Direct Costs:							
178	Travel Mileage	400	Miles	\$ 0.54		\$ 216.00		
179	Per Diem	4	Days	\$ 150.00		\$ 600.00		
180	Printing (reports and photodocumentation)	1	Lump	\$ 500.00	\$ 800.00			
181	Subtotal					\$ 13,428.00		
182	Administration: (5%)					\$ 671.40		

	A	B	C	D	E	F	G
183	Total for Task #8				\$ 3,320.00	\$ 14,099.40	
184		AWPF Funding Request					
185	Item	Item/Hours	Unit	Rate	Matching	Total	
186	Task #9 Final Report and Oral Presentation						
187	Environmental Director, FMYN	8	Hours	\$ 105.00	\$ 840.00		
188	Principal Biologist, MS	32	Hours	\$ 105.00		\$ 3,360.00	
189	Landscape Architect, RLA	16	Hours	\$ 85.00		\$ 1,360.00	
190	Autocadd/GIS Operator	4	Hours	\$ 65.00		\$ 260.00	
191	Editor	24	Hours	\$ 50.00		\$ 1,200.00	
192	Other Direct Costs:						
193	Printing	1	Lump	\$ 650.00	\$ 650.00		
194	Subtotal					\$ 6,180.00	
195	Administration: (5%)					\$ 309.00	
196	Total for Task #9				\$ 1,490.00	\$ 6,489.00	
197	Total Grant Request and Matching Funds				\$ 17,705.00	\$ 113,896	

RESTORATION ALONG THE GILA RIVER



Progress, Challenges,
and Unique
Adaptations in a
Dynamic Landscape



Bethany Drahota
Habitat Restoration Manager
Gila Watershed Partnership

- Introduction
- Overview
- Restoration Progress
 - 7/2017 to 6/2019
- Challenges, Successes, & Adaptive Management



GWP RESTORATION GOALS

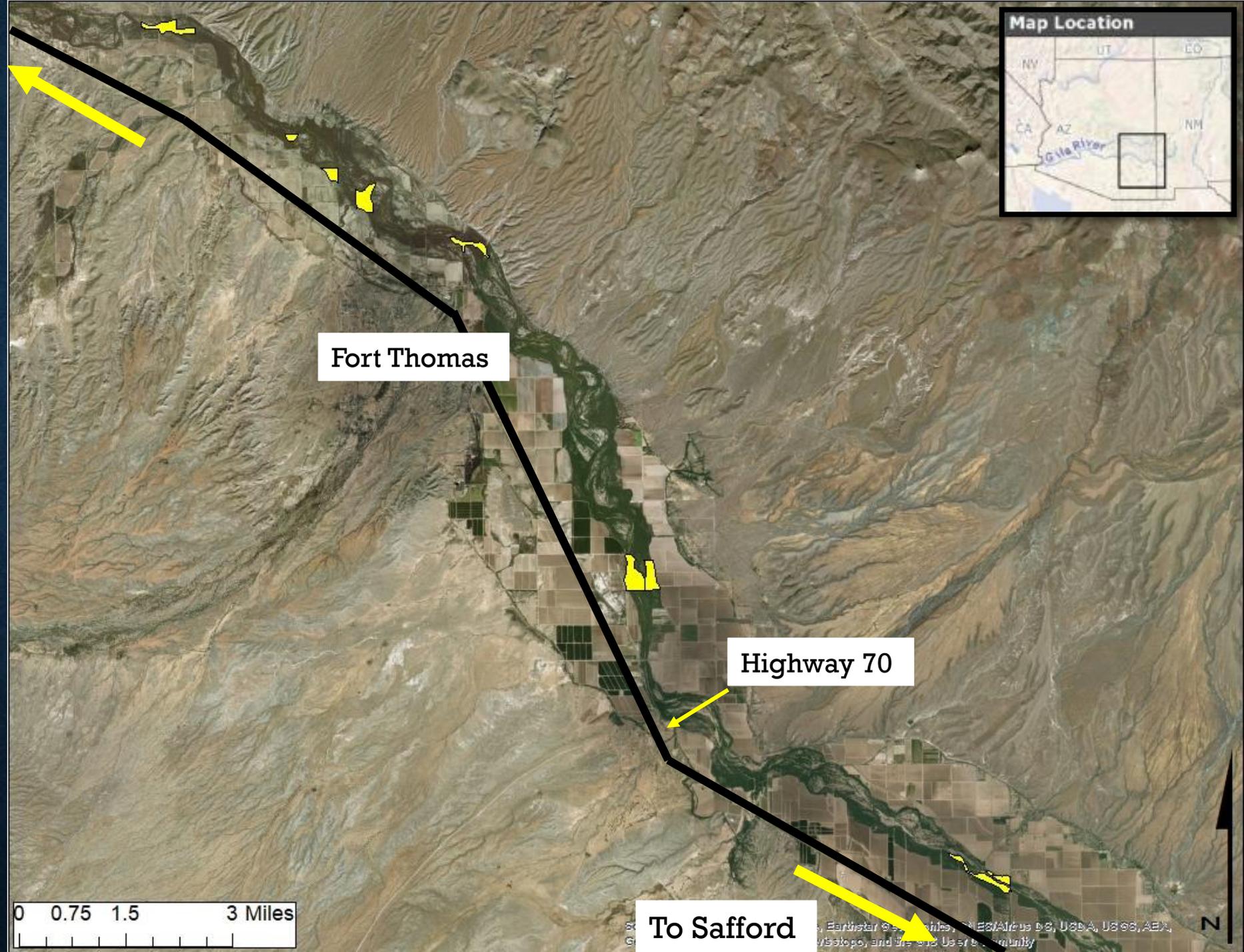
- Broad:
 - Conserve natural resources
 - Enhance the environment
- Field:
 - Create islands of native tree species along the Gila
 - Wildlife habitat, especially for T & E species
 - Prepare for the tamarisk leaf beetle arrival



To Phoenix

North to South:

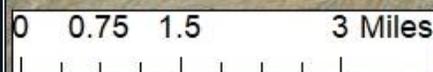
- **R3:** 46.0-acres
- **R8:** 9.9-acres
- **R9:** 17.4-acres
- **R10:** 47.0-acres
- **R11:** 27.0-acres
- **R14:** 61.7-acres
- **R15:** 39.6-acres
- **R18:** 56.2-acres



Fort Thomas

Highway 70

To Safford



N

PARTNERS IN SUCCESS!



- Arizona Conservation Corps (AZCC)
- National Civilian Community Corps (NCCC)
- Fort Grant & Florence Prison Crews
- Volunteers



RESTORATION PROGRESS

(JULY 2017 TO JUNE 2019)

- 91.89-acres tamarisk removed
- 46.01-acres retreated
 - 14.02-acres burned
- 16.53-acres planted & seeded



TAMARISK REMOVAL

- 91.89-acres removed
 - 65.94-acres in 2017-2018
 - 25.95-acres in 2018-2019
- Six sites were treated
 - Four sites in 2017-2018
 - Five sites in 2018-2019
- Emphasis on patchwork-style cutting to create better wildlife habitat



TAMARISK RETREATMENT

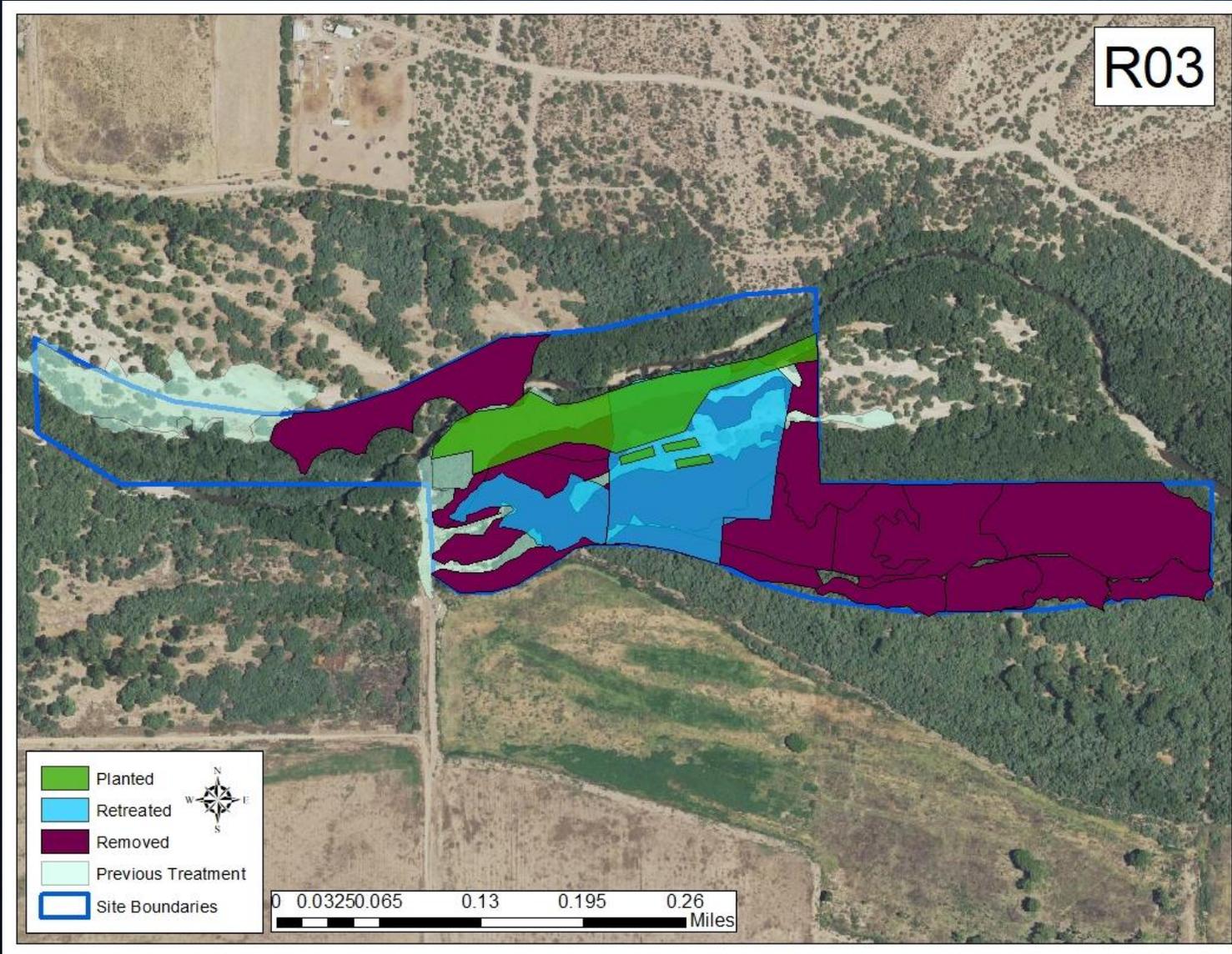
- 46.01-acres retreated
 - Mixed manual & mechanical treatments
 - Specialized secondary weed treatments
- Five sites were retreated
 - Two sites in 2017-2018
 - Four sites in 2018-2019
- Burning as a form of retreatment & ideal site maintenance



TAMARISK REPLACEMENT (PLANTING)

- 16.53-acres planted or seeded
 - Emphasis on planting in 2018-2019
 - Experimental techniques
- Four sites were planted
 - Three sites in 2017-2018
 - Two sites in 2018-2019



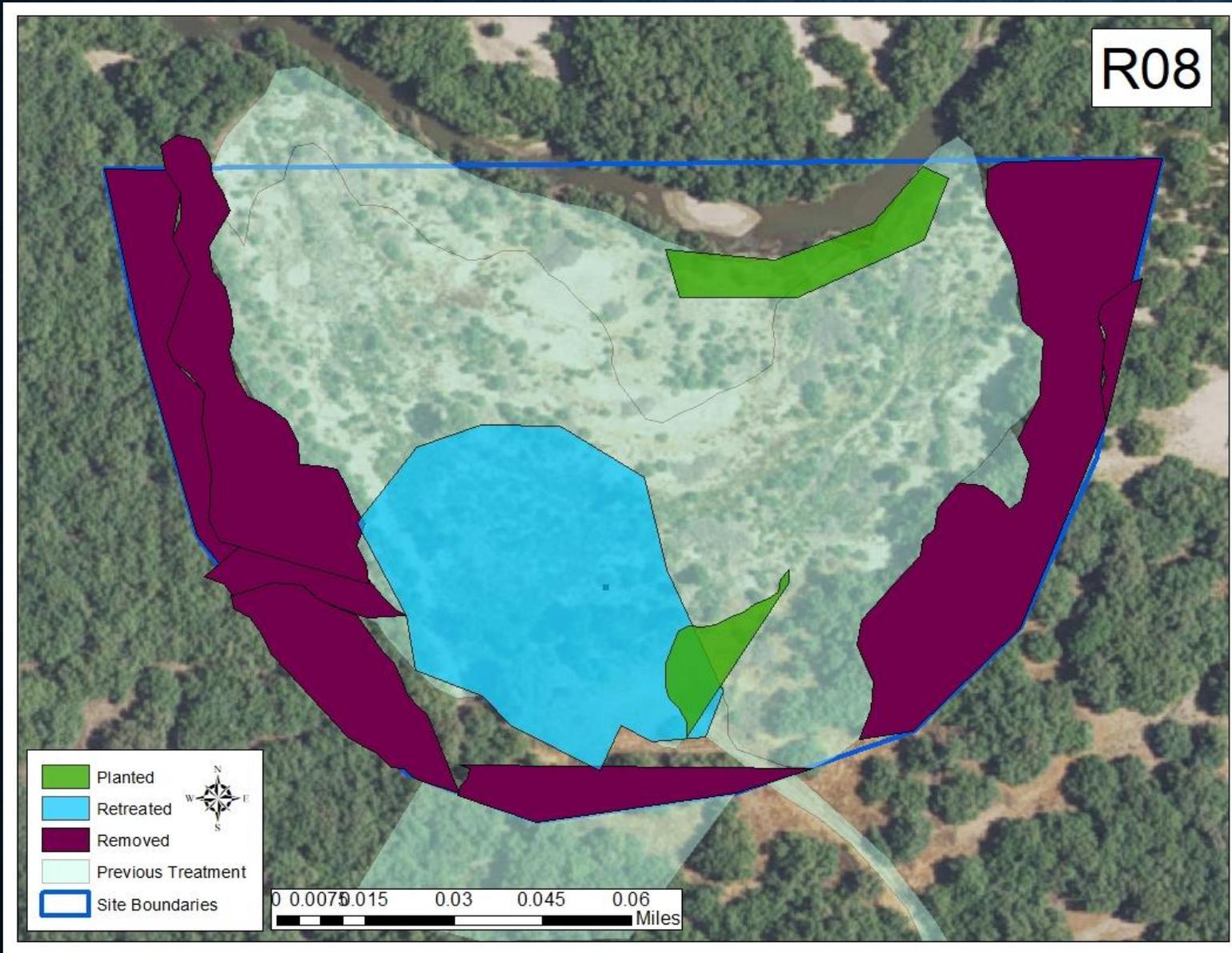


CREATIVITY REQUIRED

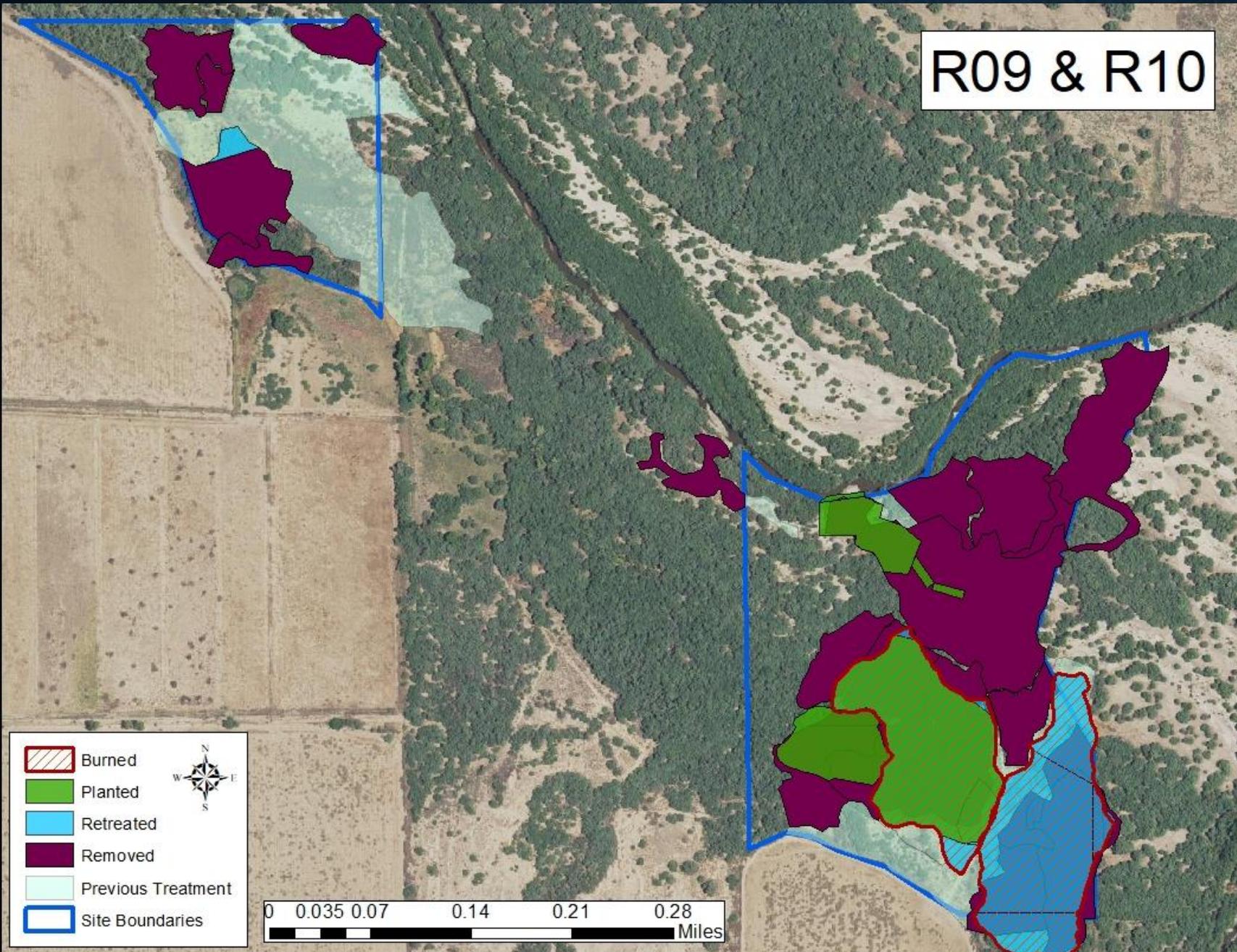


Photo from Arizona-Sonora Desert Museum facebook page
<https://www.facebook.com/desertmuseum>





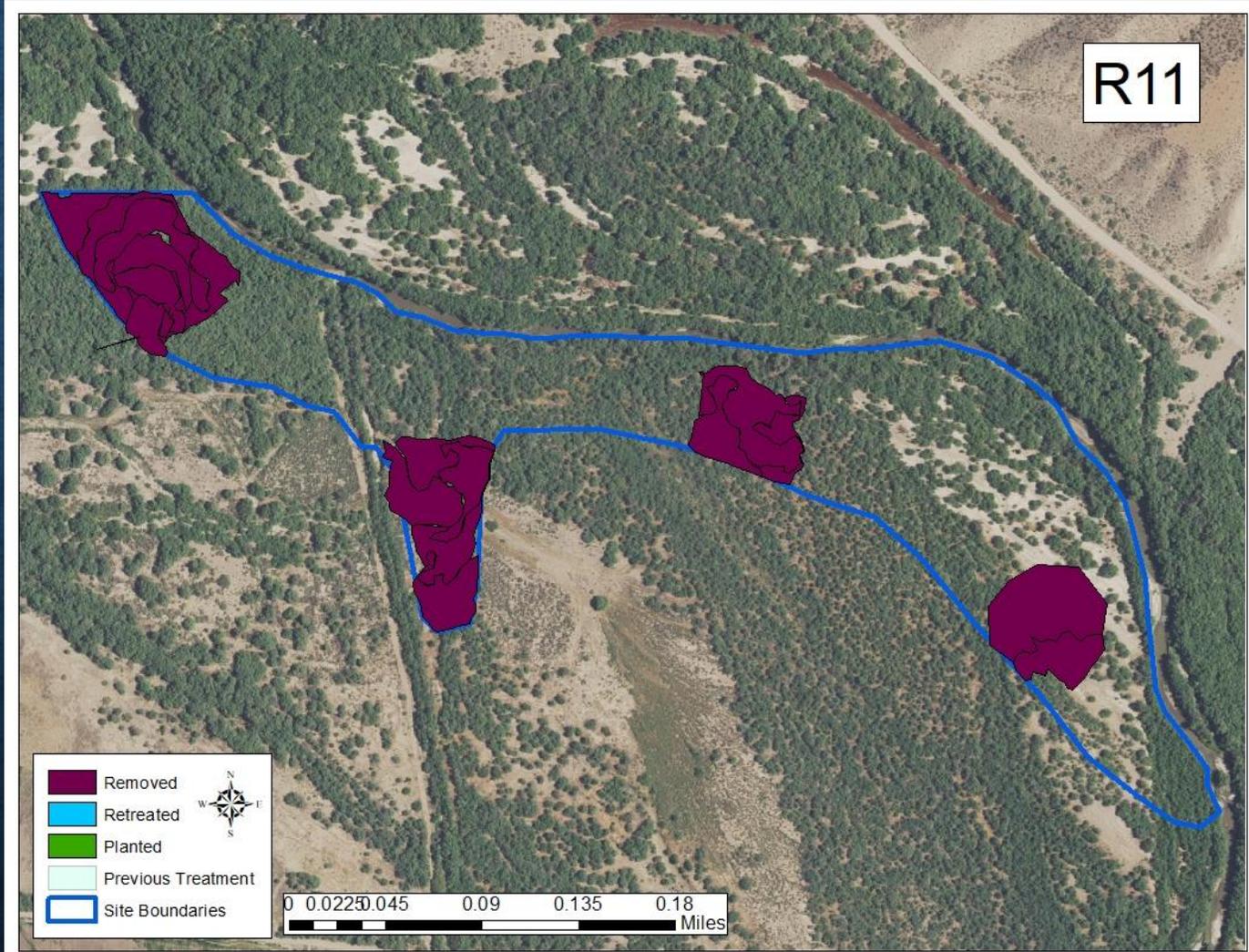
R09 & R10



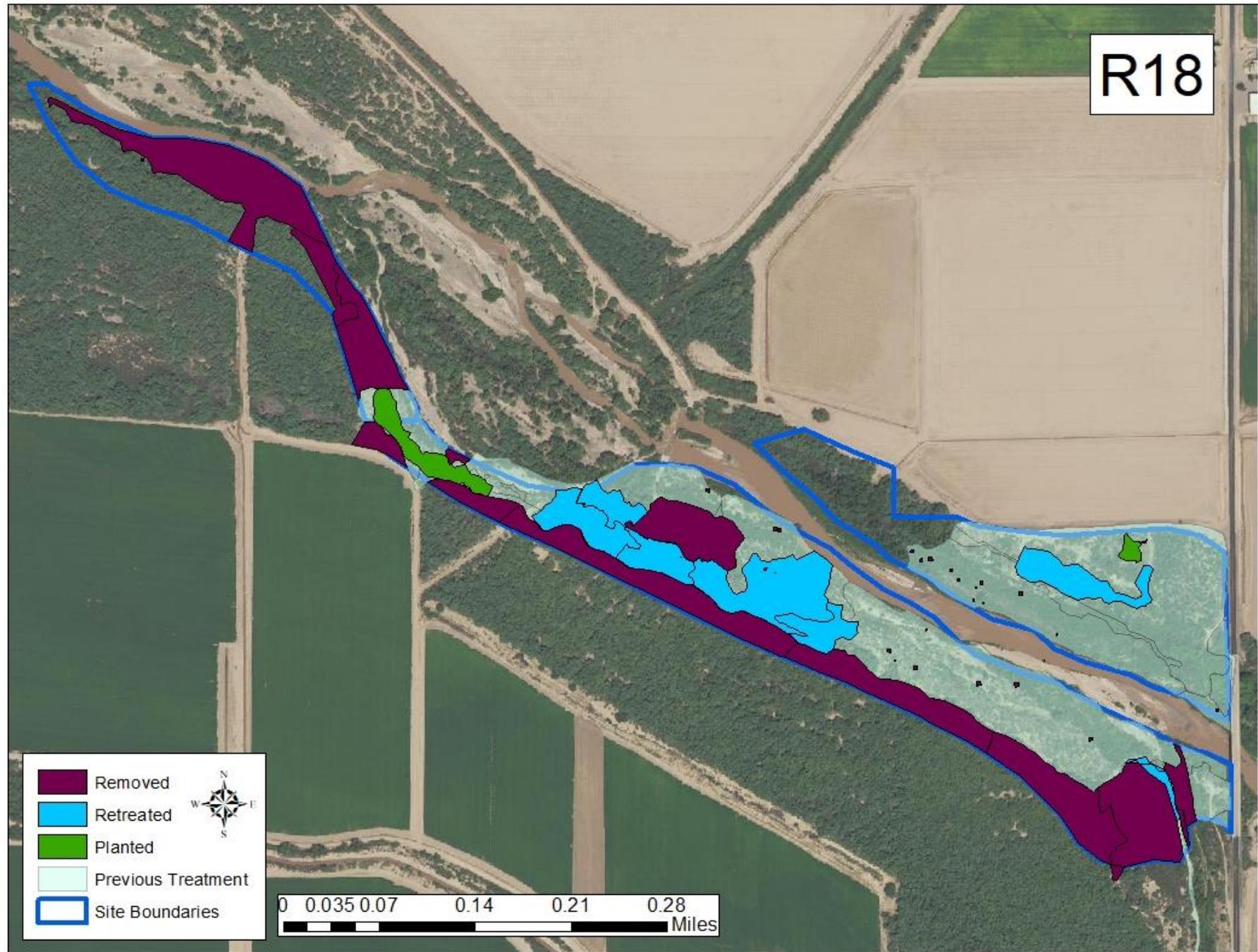
- Burned
- Planted
- Retreated
- Removed
- Previous Treatment
- Site Boundaries







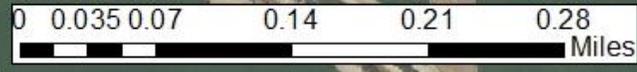
R18



Legend:

- Removed
- Retreated
- Planted
- Previous Treatment
- Site Boundaries

North Arrow



MONITORING HIGHLIGHTS



2017-2018:

- Native cover from 5% up to 76%
 - Goodding's & Cottonwood primary natives
 - Baccharis increased percentages
- Non-native cover from 1% to 58%
 - Tamarisk primary species
 - Few secondary weed issues
- Surveyed prior to biggest cutting season

2018-2019:

- Native cover from 1% to 10%
 - Goodding's & Cottonwood primary natives
 - Slight increase in Goodding's
 - Baccharis not surveyed this season
- Non-native cover from 6% to 86%
 - Tamarisk no longer the only primary species
 - 6.5% to 31%
 - Strong secondary weed presence
 - 17% to 86%
- Wildfire burned an entire site Mar/2018

MONITORING HIGHLIGHTS



- Increases in secondary weed densities following the large removal year (65-acres in 2017-18)
 - Prior to this, tamarisk was the primary non-native; this shifted, signaling a new phase in restoration for those sites
- Fewer natural recruitment events, likely due to secondary weed abundances
 - Expected given that areas previously dominated by salt cedar do not have a native seed bank to draw from
- Wildfire decreased live native cover & increased secondary weeds in R03
- Perfect time to switch our focus to maintenance and planting of sites

LOOKING FORWARD: 2019-2020

- 10.03-acres of tamarisk removal
- 35.75-acres of tamarisk & secondary weed retreatment
 - 55.71-acres of pile burning
- 15 to 24-acres of planting and/or seeding

THANKS!

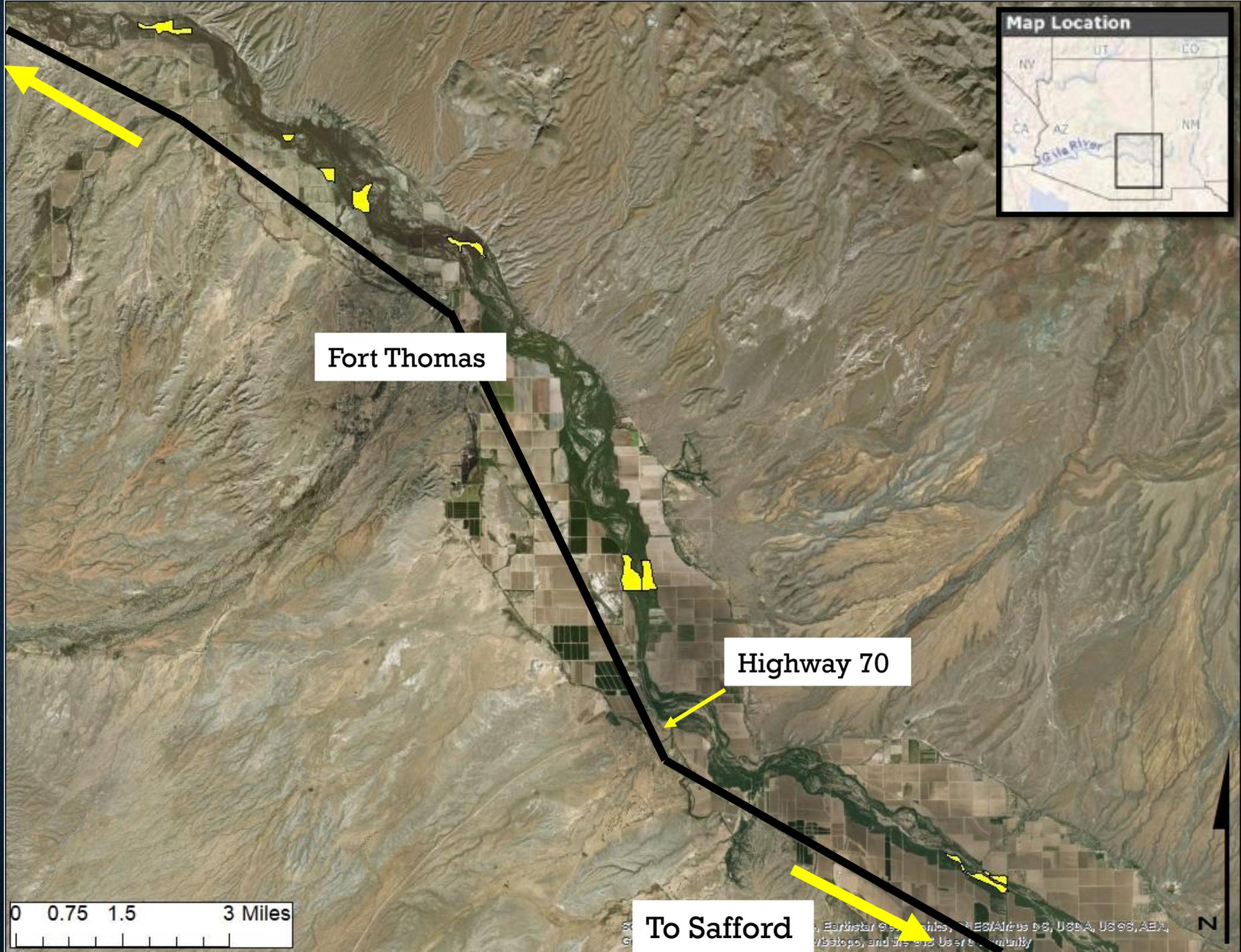
Questions?



To Phoenix

North to South:

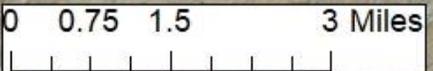
- **R3:** 46.0-acres
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- **R9:** 17.4-acres
- **R10:** 47.0-acres
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- **R14:** 61.7-acres
- **R15:** 39.6-acres
- **R18:** 56.2-acres



Fort Thomas

Highway 70

To Safford



Earthstar Geomatics, Inc. (ESGI) is a U.S. Geological Survey (USGS) contractor. All data, maps, and graphics are the property of the U.S. Geological Survey and are provided to the user for their use only.



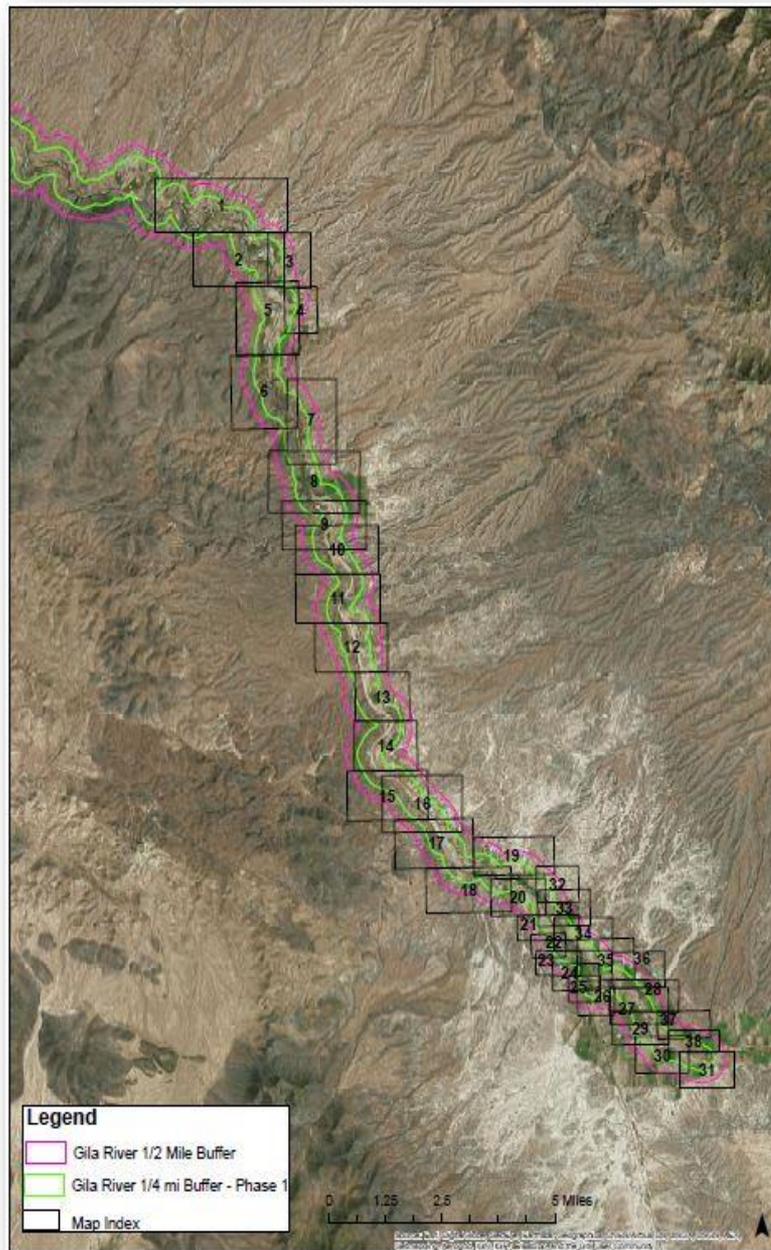
Phase Two: Invasive
Weed Control Gila River
Corridor Greenlee and
Graham County

Noxious Weeds of Concern



Table 1. Number of Parcels and Acreages Inventoried Through Project Period Phase I & Phase II

YEAR	Acres Inventoried/ Monitored	Clean Acres	Acres Infested+				Treated Acres
			RK	WT	MS YS	Total	Total
Phase I	1,525	222.07	373.66	181.48	49.9	605.04	605.89
2014							
2017	1,083	142.25	458.87	153.96	122.43	735.26	300.89
2018	811.06	1,577.20	412.17	240.53	85.38	738.08	265.69
2019							
AZ	1971	200	1009	531	369	1771	
NM	2000	940	540	135	384	1060	



GOAL

Continue use of an integrated Weed Management Program to protect the integrity of the Gila River by eradicating invasive weeds from the fifty-four mile river corridor through Greenlee County and Safford Valley in Graham County.

OBJECTIVES

- Quantify the extent of the infestation by mapping and maintaining the data base.
- Treat invasive weeds with appropriate integrated weed management to restore infested lands and waters to a healthy and resilient condition.
- Educate the public and landowners along the mile river corridor on the economic and biological impacts of invasive weeds, creating a community-based partnership that will focus on early detection and rapid response to maintain the benefits of this project over the long term.
- Work with county and community to look into long term sustainability of the program.

Obstacles

- Riparian corridor over and understory
- SW Willow Flycatcher
- Water issues
- Absentee/disinterested landowner



Absentee and non-engaged landowners

- **Invitations and follow-up thank you to meetings/workshops**
 - **9 Weed Workshops & training**
 - **12 special meetings and events**
- Value of land with and without noxious weeds
 - North Dakota ranch – 65 % decrease in land value
 - Oregon ranch – 83% decrease in land value
- **Update parcel database information**
- Look at parcels that are behind in taxes
- **Use peers (neighbors) to help educate and engage**
- **Work with county interpretation of state statutes regarding noxious weeds**

Outreach – new audiences

- **Newspaper articles**
- Presentations to the county tourism council, **Master Gardeners, Freeport MacMoRan**, Graham County Board of Supervisors, **local Irrigation Districts, Field Day with key stakeholders**
- **Displays at county fairs**
- **Placemats at local restaurants, weed business cards, “Wanted” post card**
- **Noxious Weed lessons with 3-5 grades at Duncan Elementary**
- **“Wanted” postcards distributed at the Safford ADOT District Office**

Additional Match

- Town of Duncan
- **Greenlee County use of County Courtroom for meetings, \$15,000 for weed technician 2019, 122 donated hours for meetings**
- **Landowners who control weeds on their property donated over 633 hours of time and equipment**
- **One previous 3 year grant added match of over \$11,000 (private landowners and volunteers)**
- Potential Arizona State Forestry grant
- **UA Cooperative Extension over 200 donated hours in addition to conference room and mileage**

Noxious Weed Field Day



- Participants rated the Field Day as very valuable (4.7 out of 5)
- 100% of participants stated that they would use at least one idea from the Field Day (participating more, getting others involved, etc.)

Questions?

**Department of Water Resources
Water Protection Fund**

FY19 Fund Activity

For the period July 1, 2018, through June 6, 2019

Description	1302		1303		Total
	WPF - Grants		WPF - Administration		
Beginning Fund Balance - 7/1/2018	\$ 2,521,310.06		\$21,257.24		\$2,542,567.30
Revenues:					
4600 Interest Income	\$5,526.46		\$44,868.64		\$50,395.10
4699 Interstate Water Sales (In Lieu Funds)				\$0.00	\$0.00
4901 Receipts and Donations	\$650,000.00		\$98,221.27		\$748,221.27
Total - Revenues	<u>\$655,526.46</u>		<u>\$143,089.91</u>		<u>\$798,616.37</u>
Expenditures:					
Personal Services			\$101,284.80		\$101,284.80
Employee Related Expenditures			\$43,432.19		\$43,432.19
P & O (Grantee Payments & PY Expenses		\$399,326.97			\$399,326.97
Travel - In-State				\$0.00	\$0.00
Travel - Out-of-State				\$485.76	\$485.76
Other Operating Expenditures				\$0.00	\$0.00
Non-Capital Equipment				\$0.00	\$0.00
Indirect Costs				\$0.00	\$0.00
Operating Transfers - Out (Administrative)		\$98,221.27			\$98,221.27
Total - Expenditures		<u>\$497,548.24</u>		<u>\$145,202.75</u>	<u>\$642,750.99</u>
Fund Balance - June 30, 2019	\$2,679,288.28		\$19,144.40		\$2,698,432.68
Less: Outstanding Encumbrances	<u>(1,894,411.67)</u>				<u>(\$1,894,411.67)</u>
FY 19 Uncommitted Balance		<u>\$784,876.61</u>		<u>\$19,144.40</u>	<u>\$804,021.01</u>

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EXECUTIVE SUMMARY

At the beginning of Fiscal Year (FY) 2019 there were seven active Arizona Water Protection Fund (AWPF) grant projects being implemented across the state. With available funds and appropriations provided from the Legislature for FY 2019, the Arizona Water Protection Fund Commission (Commission) was able to offer a grant cycle which resulted the receipt of 23 grant applications and approximately \$1.5 million being awarded to nine projects. Two projects were completed and closed out in Yavapai and Greenlee/Graham Counties, and at the end of FY 2019 there were 12 active grants projects in Cochise, Coconino, Gila, Pima, Graham, Maricopa, Yavapai, and Apache Counties. These projects are focused on identifying water conservation measures, enhancing degraded stream channels, and facilitating the treatment and removal of invasive plants including tamarisk and juniper for overall watershed improvement and health. There are three projects funded in FY 2019 that are still in the grant award contracting phase that are planned to be implemented in Coconino, Gila, and Graham Counties.

Two Commission members were appointed during FY 2019 which included one voting member and one non-voting advisory member. Program staff was also notified of a non-voting advisory member appointment made in FY 2018, which brings the total number of AWPF Commission members to 11 at the end of FY 2019.

From 1995 to 2019, the Commission has supported 229 projects and awarded more than \$45 million toward the restoration, protection and enhancement of river and riparian resources in Arizona. As a result, Arizona citizens have realized many benefits from these investments through improvements in water quality, in-stream flows/water supplies, biodiversity, fish and wildlife habitat, recreation, flood control and overall watershed functionality and sustainability. In addition, important socioeconomic benefits such as jobs and revenue streams are realized by many local communities through the implementation of AWPF projects.

ARIZONA WATER PROTECTION FUND CREATION AND PURPOSE

The 1994 Arizona Legislature established the Arizona Water Protection Fund (AWPF), and the Arizona Water Protection Fund Commission (Commission) to administer the AWPF (A.R.S. § 45-2101 *et seq.*). In passing the enabling legislation, the Legislature declared that the policy of the state is to provide for a coordinated effort between state funding and locally led solutions for the restoration and conservation of this state's rivers, streams and associated riparian habitats, including fish and wildlife resources that are dependent on these important habitats.

The primary purpose of the AWPF is to provide an annual source of funds for the development and implementation of measures to protect water of sufficient quality and quantity to maintain, enhance and restore rivers, streams and associated riparian resources consistent with existing water law and water rights. The Commission may also provide funding to develop and protect riparian habitats in conjunction with a man-made water resource project if the project directly or indirectly benefits a river or stream, and includes or creates riparian habitat. The Commission, supported by staff from the Arizona Department of Water Resources (ADWR), solicits, reviews, and awards grants to any person, state agency, or political subdivision to implement local on-the-ground solutions to improve our state's river, streams, and watersheds.

PROGRAM ORGANIZATION

Arizona Water Protection Fund Commission

The 13-member Commission is the main policy making body for the AWPF. The Commission is comprised of nine voting members who must be Arizona residents who, by statute, represent a variety of land, water use, and socioeconomic perspectives. There are two non-voting ex officio members – the Director of the Arizona Department of Water Resources and the Commissioner of the Arizona State Land Department; and two non-voting advisory members – one from the Arizona State House of Representatives and one from the Arizona State Senate.

Changes in Commission membership for Fiscal Year (FY) 2019 included the appointment of the Honorable Sine Kerr, notification of the appointment of the Honorable David L. Cook, the resignation of Mr. Mark Holmes, and the appointment of Dr. Lucina Earven. A list of current Commission members and vacancies as of June 2019 is provided in Table 1.

Table 1. Arizona Protection Fund Commission Members as of June 2019.

Commission Member / Affiliation	Statutory Category Represented	Appointing Authority
Charles Paradzick* Salt River Project	Agricultural Improvement District	Governor
Pat Jacobs** Central Arizona Project	Multi-County Water Conservation District	District Governing Board
Harold Paul Brick San Pedro Natural Resource Conservation District	Natural Resource Conservation District	Senate President
Dr. Lucinda Earven Hereford Natural Resource Conservation District	Natural Resource Conservation District	Speaker of the House of Representatives
Michael Macauley Coconino Natural Resource Conservation District	Natural Resource Conservation District	Senate President
Roy Pierpoint Gila Bend Natural Resource Conservation District	Natural Resource Conservation District	Speaker of the House of Representatives
William Schock Santa Cruz Natural Resource Conservation District	State Association of Natural Resource Conservation Districts	Governor
VACANT	Member of the Public – B.S. in Hydrology – City Served by the Central Arizona Project	Governor
VACANT	Indian Tribe	Intertribal Council of Arizona
Thomas Buschatzke Director Department of Water Resources	Non-voting Ex Officio Member	Arizona Revised Statutes § 45-2103(A)(7)
Lisa Atkins State Land Commissioner State Land Department	Non-voting Ex Officio Member	Arizona Revised Statutes § 45-2103 (A)(7)
Honorable Sine Kerr AZ State Senate	Non-voting Advisory Member	Senate President
Honorable David L. Cook AZ House of Representatives	Non-voting Advisory Member	Speaker of the House of Representatives

*Chair, **Vice-Chair

Arizona Water Protection Fund Administration

ADWR provides the primary technical, legal, and administrative staff to the Commission. The AWPf program is managed by its Executive Director. Staffing for the program during FY 2019 included the Executive Director and a ½ time legal counsel.

FISCAL YEAR 2019 ACCOMPLISHMENTS

FY 2019 began with seven active grant award contracts. The Commission approved moving forward with a FY 2019 grant cycle upon the hiring of a new Executive Director in June of 2018. A grant application workshop was held with its first live webinar option in August 2018 that reached a total of 46 participants. 20 people attended the workshop in person, and 26 participated via the online webinar. Staff provided pre-application technical assistance to members of the public and potential grant applicants through a total of nine scheduled grant application consultations, and numerous phone call and e-mail inquiries.

The AWPf received a total of 23 grant applications for FY 2019. One applicant requested its application be withdrawn from consideration during the review process, which left 22 applications and approximately \$4 million in funding requested. Following the two-day public meetings and grant application presentations in November 2018, the Commission awarded funding to nine projects totaling approximately \$1.5 million. The projects funded in FY 2019 are identified below. Of the 22 grant applications considered, seven contained components specifically related to the removal of non-native, invasive species, with over \$1 million requested for those specific proposals.

From January 2019 through the end of the fiscal year AWPf staff continued to provide technical support to current AWPf grantees through the management of 14 grant projects, and continued to work on negotiating three additional grant award contracts. Two projects were closed out in FY 2019. Other activities completed by staff included the initiation of the State of Arizona's Digital 5S program with an inventory and catalog of AWPf electronic and paper records, and coordinating with ADWR executive staff and Legislative staff to initiate the process of filling AWPf Commission member vacancies.

Grant Projects Completed in Fiscal Year 2019

15-186WPF: Phase II Gila River Corridor Invasive Weed Control

Map #	Grantee	County	AWPF Funding	COMPLETED
192	Coronado Resource Conservation and Development Area	Graham / Greenlee	\$133,348.42	April 30, 2019

Project Description:

The goal of this project was to use an integrated Weed Management Program to protect the integrity of the Gila River by controlling invasive weeds (specifically Russian knapweed, White top, Bull thistle, Malta starthistle, and Yellow starthistle) from the 54-mile river corridor through

Greenlee and Graham counties. This project was the second phase of invasive weed control along the Gila River corridor located in Graham and Greenlee counties. The initial AWPf project (11-173WPF) completed in 2015 identified and addressed barriers to treatment of invasive and noxious weeds in the area, as well as serving as an aid to the restoration of the native riparian vegetation within the corridor. Inventory of private land parcels for noxious weed presence was initiated in the spring of 2012 followed with treatment of targeted noxious weeds by participating landowners. Riparian tree cover class and composition transects were also established adjacent to parcels where infestations were documented. These efforts were implemented through 2014 and the Phase II project continued to use a comprehensive, aggressive approach to address barriers to treatment and reach the project goal of restoring the native riparian area by controlling invasive weeds. Through the implementation of this project, the project area increased from a ½-mile corridor to a 1-mile corridor from the active stream channel of the Gila River. The project also included an educational outreach component to make the community and landowners aware of the economic and biological impacts of invasive weeds and worked with the counties and community to investigate the long-term sustainability of the program.

15-187WPF: Upper Verde Habitat Improvement Project

Map #	Grantee	County	AWPF Funding	COMPLETED
193	Friends of Verde River Greenway	Yavapai	\$169,325.00	August 31, 2018

Project Description:

This project focused on the removal of invasives followed by monitoring and maintenance that contributed to a larger effort called the Verde River Cooperative Invasive Plant Management Plan (CIPMP). The CIPMP is a strategic approach to control prioritized invasive plants in the riparian areas of the Verde Watershed while increasing stakeholder collaboration.

The tasks within this specific project furthered the larger goals of decreasing the impacts of non-native species to riparian areas; improved riparian wildlife/fish habitat; created local employment; and informed communities. The three main components of the project were: the removal of invasive plants including salt cedar (*Tamarix spp.*) and Tree of Heaven (*Ailanthus altissima*); monitoring of previously treated sites and maintaining treated sites; and implementing a public outreach program to inform the public about the project and river and riparian resources.

Approximately 1,500-acres of non-native, invasive species were treated in the project area across all years, along 7.3-miles of the Upper Verde River on U.S Forest Service Forest lands using a combination of manual, mechanical and chemical methods. Site maintenance and monitoring for invasive species occurred on approximately 1,356-acres of previously treated sites.

Fiscal Year 2019 Active Grant Projects

14-182WPF: Arundo Eradication & Riparian Restoration of Sabino and Bear Creek, Tucson, AZ

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
188	University of Arizona	Pima	\$51,262.00	May 31, 2020

Project Description:

This project builds upon a six-year effort of giant reed (*Arundo donax*) removal that began in Sabino Canyon Recreation Area in 2007 and that has fully removed the *Arundo* infestation from the Sabino Canyon Recreation Area and 1.71 miles of mostly private riparian land downstream from the U.S. Forest Service, Coronado National Forest boundary. Previous removal efforts have proven effective, but still 2.58 miles of channel remains to be cleared down to the confluence of the Pantano and Rillito Washes.

The three main goals of the project include: (1) Remove invasive *Arundo donax* from Sabino and Bear Creeks; (2) Improve conditions for riparian vegetation and wildlife; and (3) Improve distribution of flood flows.

The objectives include: (1) Clear Pima County parcels in Upper and Lower Bear Creek; (2) Clear Canyon Ranch Resort/DeBernardis property along Middle Sabino Creek; (3) Clear Tankersley Estates property along Middle Sabino Creek; (4) Clear infestations in Lower Sabino Creek to the confluence of the Rillito; (5) Monitor previously cleared reaches of Sabino and Bear Creeks; and (6) Clear parcels in Rock Creek/Ventana Canyon (Lowes Ventana Canyon Resort and Pima County access).

17-188WPF: A&NC Focal Area Watershed Improvement Project

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
194	Arizona Association of Conservation Districts	Apache	\$303,975.00	January 31, 2020

Project Description:

The Brown Ranch consists of private, state, and Bureau of Land Management lands which have been extensively invaded by juniper. Increased brush cover has reduced soil protection, increased flood runoff, increased soil erosion and sediment production and impacted riparian vegetation. Brush control will improve the watershed condition and contribute to the goals of conserving resource productivity, enhancing wildlife, improving water quality and restoring riparian vegetation. This project intends to mechanically remove juniper on 2,000-acres of upland in the Apache-Navajo County Focal Area of the Arizona Conservation Partnership.

17-189WPF: Erosion Control to Stabilize Soils and Restore Historic Grasslands in the Upper Verde River Watershed

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
195	Town of Prescott Valley	Yavapai	\$138,183.00	September 30, 2020

Project Description:

The proposed project intends to demonstrate how landscape management can stabilize soils, increase opportunity for aquifer recharge, and restore historic grasslands through a combination of vegetation treatment and erosion control including 240-acres of pinion juniper (hand) thinning with byproducts used to engineer and build silt dams in eroded areas on private and leased state trust lands. The project area encompasses 1,940-acres of the York-Kenson Ranch.

Historically, thinning projects have resulted in the cut pinion juniper material left in-situ to decompose or burned on site. The proposed unique approach utilizes thinned low-value woody biomass as the basis for erosion control structures to stabilize soils in gullies and upland areas.

17-190WPF: River Restoration through Hazardous Fuels and Invasive Species Removal

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
196	Gila Watershed Partnership	Graham	\$94,903.00	August 31, 2019

Project Description:

Salt cedar (*Tamarix* spp.) has established a dense monotypic forest throughout the riparian corridor, out-competing native plant species, increasing wildfire frequency/intensity and altering terrestrial and aquatic wildlife habitat. As a response to this infestation, the tamarisk leaf beetle was released as a biocontrol agent to defoliate and limit tamarisk invasions. The vast stands of tamarisk, once defoliated by the beetle, will then become more of a wildfire risk, and contribute to bank de-stabilization. The Gila Watershed Partnership (GWP) is working closely with a variety of public and private partners to secure the necessary funding to implement riparian restoration through the Gila River corridor. This proposed project is an important component of this effort.

This is a two-year project intended to provide for the restoration of 100-acres of riparian forest on the Upper Gila River. The project will promote functioning riparian areas, increase water availability by reducing demand from dens tamarisk forests, reduce risks to landowners relating to flooding and wildfire, protect, and enhance wildlife habitat and provide a replicable example for similar efforts around the state.

An ecohydrological assessment was completed to determine high and medium priority sites. Seven sites were chosen existing on federal and private lands. Control measures will include mechanical removal of tamarisk and herbicide treatments. Riparian restoration of these treated areas will include planting with native, less water intensive plant communities.

17-191WPF: Verde River Habitat Improvement Project

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
197	Friends of the Verde River Greenway	Yavapai	\$246,448.00	October 31, 2019

Project Description:

The proposed project intends to decrease the impacts of non-native species (salt cedar, Tree of Heaven, Russian olive, giant reed) to the Verde River within the AZ State Parks Verde River Greenway and Dead Horse Ranch. The Grantee intends to retreat 297-acres of non-native invasive plants along a 2.8 mile stretch of river through manual, mechanical and chemical control methods and techniques. There are three elements to the project: 1) monitor invasive plant regrowth from previously treated areas; 2) re-treat re-growth of invasive species; 3) engage the local community through two volunteer stewardship events.

17-192WPF: Lower Verde River Riparian Restoration Project

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
198	Ft. McDowell Yavapai Nation	Maricopa	\$113,896.00	October 31, 2020

Project Description:

This project is located along the Lower Verde River within the boundaries of the Fort McDowell Yavapai Nation, and intends to continue restoration efforts through the control of invasive plant species which threaten the biodiversity and overall health of the riparian areas. The goals of this project are to (1) promote and establish native riparian habitat in preparation for the eventual arrival of the tamarisk beetle and the subsequent defoliation, loss of habitat and increased wildfire risk, and (2) increase community and youth engagement with the Fort McDowell Yavapai Nation to encourage environmental stewardship.

The objectives of this project are to continue to implement an invasive plant management plan to retreat giant reed and tree tobacco; develop a restoration manual; develop and implement a restoration plan at a 30-acre Pilot Project Site; monitor invasive plant treatments and restoration efforts; and incorporate a youth and community outreach effort.

19-193WPF: Verde River-Oak Creek Confluence Habitat Improvement Project

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
199	Friends of the Verde River	Yavapai	\$292,451.00	December 31, 2021

Project Description:

The project area spans a total of 275 riparian acres within a 4.1-mile river reach located around the Verde River and Oak Creek confluence on Coconino National Forest lands. Work will take place along a 1.4-mile upstream reach of Oak Creek; and a 0.5-mile reach upstream of the confluence on the Verde River and a 2.7-mile reach on the Verde River downstream of the confluence.

The Grantee will monitor previously treated areas of the Verde River and Oak Creek confluence. Within the overall 275-acre project area, initial treatment of 16-acres of high-density invasive plants will be completed, in addition to re-treatment of 77-acres of invasive plants. All project work will be implemented on lands managed by the Coconino National Forest lands. The Grantee will also plan and implement two volunteer events in coordination with the Coconino National Forest to engage the community in stewardship activities.

19-194WPF: Davis Cattle Co. Grassland Restoration

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
200	Arizona Association of Conservation Districts	Cochise	\$341,626.00	March 31, 2022

Project Description:

This 5,345-acre grassland restoration project intends to restore mesquite invaded grasslands on the headwaters of Government Draw Wash that flows into the San Pedro River, and the headwaters of Gadwell Canyon that flows into Whitewater Draw. Invasive mesquite will be treated using an aerial application of Sendero, Remedy, and Herbimax herbicides. The planned treatment area

includes 2,527-acres of private land, and-2,818 acres of Arizona State Trust lands. Treatment of the entire 5,345-acre project area will be cost shared between Arizona Water Protection Fund and Natural Resource Conservation Service Environmental Quality Incentives Program funds. Davis Cattle Co. will also provide grazing management of the treated areas over a 5-year period following aerial herbicide treatments.

19-195WPF: Gila Valley Irrigation District Rapid Appraisal for Modernization

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
201	Gila Valley Irrigation District	Graham	\$32,982.50	June 30, 2020

Project Description:

The Gila Valley Irrigation District (GVID) will conduct a rapid appraisal of the 11 canal systems that make up the Gila Valley Irrigation District. The purpose of this project is to complete a rapid assessment that will identify key factors related to water control in the GVID, define the level of water delivery service provided to users, and examine specific hardware, infrastructure, management techniques and processes used in the control and distribution of water. The goal of this project is to analyze the entire water delivery system to assess and plan for water management projects, modernize the delivery system on the canals, and increase on-farm efficiency to provide multiple water-use efficiency benefits.

The anticipated outcome will be that the GVID has an infrastructure modernization implementation plan to use for setting priorities in water delivery infrastructure improvement, in order to pro-actively plan and implement water conservation and modernization projects in the district to help support quantity and availability of water in the Gila River.

19-197WPF: Bill Williams Mountain Forest and Watershed Restoration Project

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
203	National Forest Foundation	Coconino	\$315,000.00	June 30, 2021

Project Description:

In 2016 the Kaibab National Forest (KNF) approved the Bill Williams Mountain Restoration Project due to high risk of catastrophic wildfire. The restoration plan calls for treatments on 15,000-acres on Bill Williams Mountain to protect watershed and forest health, and the local community. The purpose of the project is to reduce tree densities and biomass fuels at the top of Bill Williams Mountain to help minimize risk from catastrophic wildfire, as well as prevent post-fire flooding and subsequent debris flows.

In this phase of the Bill Williams Project the Grantee will focus tree thinning treatments on 200 of the highest priority acres on Bill Williams Mountain, located at the very top of the watershed, on the steepest slopes with extremely dense forest cover. Forest thinning work will consist of steep-slope mechanical thinning, which uses specialized equipment to cut and remove trees from areas with greater than 25-degree slopes. Marketable logs and woody biomass will be removed from these slopes and either stacked in log decks or piled for future burning at locations designated by the US Forest Service. Project-related benefits would improve ecosystem processes and protect watershed health and functions.

19-198WPF: Granite Creek Corridor Enhancement Master Plan

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
204	City of Prescott	Yavapai	\$79,401.00	October 31, 2020

Project Description:

The purpose of this project is to develop a community supported master plan for the enhancement of Granite Creek through downtown Prescott, AZ. The Granite Creek corridor has been heavily impacted by urban development and encroachment, but the 1.2-mile reach still retains many ecological and physical riparian functions.

Prior to development of plans for capital improvements, the City of Prescott (City) seeks to dialogue with all stakeholders to educate them about the physical and ecological potential of the stream. The City will then conduct an assessment and develop draft concepts for enhancement. The City will also hold a series of stakeholder meetings to gather input on the conceptual plans from all involved. Input will be incorporated into the development of a data driven master plan to increase stream function and associated riparian habitat, and increase green space connectivity along 1.2-miles of Granite Creek.

19-200WPF: American Gulch Channel and Riparian Enhancement

Map #	Grantee	County	AWPF Funding	Estimated Completion Date
206	Town of Payson	Gila	\$202,556.00	November 30, 2020

Project Description:

As a tributary to the East Verde River, American Gulch forms a major drainage through the Town of Payson, AZ. The ephemeral channel through the project area has been highly modified to serve as a stormwater conveyance and is currently sized to contain the Federal Emergency Management Agency estimated 100-year floodplain. The goal of the project is to restore a channelized section of American Gulch through the use natural channel design principles in order to improve riparian habitat within the channel while retaining flood control functions. The project area is approximately 1,000-ft long and construction will take place entirely within the existing channel, except for additional native plantings along the edge of the channel and around the adjacent urban trail.

Grant Award Contracts in Negotiation in Fiscal Year 2019**19-196WPF: Do Native Fish Facilitate the Persistence of Endangered Spikedace by Resuspending Food Particles**

Map #	Applicant	County	AWPF Funding	Estimated Completion Date
202	Arizona Board of Regents for and on behalf of Northern Arizona University	Greenlee	\$32,496.00	<i>CONTRACT IN NEGOTIATION</i>

Project Description:

This project will use an experimental approach to quantify the extent to which native fish populations facilitate the persistence of the federally endangered fish species spikedace (*Meda fulgida*). Preliminary research suggests that the feeding activities of conspecific native suckers

may be important in resuspending organic particles and invertebrates that serve as food for Spikedace. By conducting a replicated field experiment in streams throughout the Gila basin of Arizona, this research proposes to reveal the quantity, timing, and composition of particulates resuspended via feeding activities of native Sonora suckers (*Catostomus insignis*). The Grantee hypothesizes that native suckers, by feeding on the stream bottom, resuspend organic matter into the water column and that some portion of those particles may serve as a food resource to spikedace, which forage exclusively on drifting organic matter and invertebrates high in the water column.

19-199WPF: Headwater Stream Restoration: Coyote Springs, Museum of Northern Arizona, Flagstaff

Map #	Applicant	County	AWPF Funding	Estimated Completion Date
205	Museum of Northern Arizona / Springs Stewardship	Coconino	\$31,846.00	<i>CONTACT IN NEGOTIATION</i>

Project Description:

The Springs Stewardship Institute proposes to complete a headwater stream restoration project at Coyote Springs on the research campus of the Museum of Northern Arizona. The purpose of this project is to restore the geomorphology of a headwater stream system and restore natural flow to a wet meadow through the removal of a non-functioning spring box, re-contouring the wet meadow to allow for a natural hydroperiod, and restructuring the run-out stream channel to reduce incision. A small section of the meadow will be fenced to exclude grazing and protect spring-dependent sedges that are rare in Arizona. The site restoration will directly impact approximately 0.22-acres, and indirectly improve approximately 1-acre of riparian, stream, and wetland habitat. Monitoring the effectiveness restoration activities will be conducted to refine spring and headwater stream restoration techniques. Public outreach activities will include workshops on springs inventory and restoration. SSI also plans to develop internet web pages with images, video clips, and documentation of the restoration progress on the SSI website (springstewardship.org).

19-201WPF: Webber Creek Sediment Control Project

Map #	Applicant	County	AWPF Funding	Estimated Completion Date
207	Boy Scouts of America - Grand Canyon Council	Gila	\$166,057.50	<i>CONTRACT IN NEGOTIATION</i>

Project Description:

This project intends to improve water quality in Weber Creek by providing nutrient cycling and increasing streambank stabilization through trapping and reducing the inflow of sediments and water runoff from areas within and around Boy Scout Camp Geronimo. This project is being implemented in coordination with an Arizona Department of Environmental Quality Water Quality Improvement Program grant. Soil erosion sediments that currently discharge to Weber Creek will be reduced by the construction of such items as cross drainage structures, culverts, and roadside ditches with check dams. The project will occur at a scout camp with thousands of campers and visitors annually, and will increase public awareness of the function and value of riparian resources.

CONCLUSION

From 1995 to 2019, the Commission has supported 229 projects and awarded over \$45 million toward the restoration, protection and enhancement of river and riparian resources in Arizona. The Commission has funded a wide range of projects including stream channel restoration, riparian revegetation, wetland creation/restoration, fencing and other grazing management improvements, upland restoration, erosion control, conservation education, and applied ecological research. A complete list of projects and a general project location map are included in Appendix A. Project final reports generated since the inception of program can be requested from ADWR via a public records request.

Although the Commission was not able to offer a grant cycle in FY 2018 due to the Executive Director staff vacancy, the Water Protection Fund balance carried over from FY 2018 and deposits into the Fund for FY 2019 allowed the Commission to offer a competitive grant cycle. FY 2019 deposits included a \$400,000 appropriation from the general fund, and a \$250,000 appropriation from the Arizona Department of Water Resources budget. A financial statement as of June 30, 2019 is included in Appendix B.

Arizona citizens continue to realize many benefits from the AWPf investments through ongoing improvements in water quality, in-stream flows/water supplies, biodiversity, fish and wildlife habitat, recreation, flood control, and overall watershed health. Not only do communities rely on the state's watersheds and riparian areas for a general water source, but also for recreation, ecotourism, fishing, hunting, birdwatching, and agricultural operations. The Commission is committed to approving projects that are fiscally responsible and beneficial to the citizens of Arizona, and will work to continue making progress toward the restoration, protection, and enhancement of river and riparian resources throughout the State.

APPENDIX A: MAP AND LIST OF AWPf PROJECTS

The following map and list of AWPf projects contain a compilation of grants awarded between 1995 – 2019 that have been implemented through contracts. Projects with the N/A status have been awarded funding by the Commission, but a contract has not yet been finalized.

DRAFT

Map #	Grant #	Project Title	Grant Amount	County	Project Status
1	95-001	Stable Isotope Assessment of Groundwater and Surface Water Interaction: Application to the Verde River Headwaters	\$21,508	Yavapai	Complete
2	95-002	Partnership for Riparian Conservation in Northeastern Pima County (PROPIMA)	\$78,100	Pima	Complete
3	95-003	Sycamore Creek Riparian Management Area	\$115,522	Maricopa	Complete
4	95-004	Road Reclamation to Improve Riparian Habitat Along the Hassayampa and Verde Rivers	\$45,693	Yavapai	Complete
5	95-005	Preservation of the San Pedro River Utilizing Effluent Recharge	\$333,863	Cochise	Complete
6	95-006	Critical Riparian Habitat Restoration along a Perennial Reach of a Verde River Tributary	\$102,535	Coconino	Complete
7	95-007	High Plains Effluent Recharge Project	\$189,000	Pima	Complete
8	95-008	Picacho Reservoir Riparian Enhancement Project	\$2,400,000	Pinal	Terminated
9	95-009	Regeneration and survivorship of Arizona Sycamore	\$34,617	Cochise	Complete
10	95-010	Assessment of the Role of Effluent Dominated Rivers in Supporting Riparian Functions	\$46,750	Maricopa	Complete
11	95-012	The Comprehensive Plan for the Watson Woods Riparian Preserve	\$33,267	Yavapai	Complete
12	95-014	Gila Box Riparian and Water Quality Improvement Project	\$157,223	Greenlee	Complete
13	95-015	San Pedro RNCA Watershed Rehabilitation/Restoration Project	\$286,000	Cochise	Complete
14	95-016	Refinement of Geologic Model, Lower Cienega Basin, Pima County, Arizona	\$7,390	Pima	Complete
15	95-017	Restoration of Fossil Creek Riparian Ecosystem	\$59,693	Yavapai	Complete
16	95-018	Autecology and Restoration of <i>Sporobolus Wrightii</i> Riparian Grasslands in Southern Arizona	\$53,734	Cochise	Complete
17	95-019	Quantifying Anti-Erosion Traits of Streambank Graminoids	\$14,910	Gila	Complete
18	95-020	Teran Watershed Enhancement	\$142,378	Cochise	Complete
19	95-021	Lofer Cienega Restoration Project	\$161,204	Apache	Complete
20	95-022	Gooseberry Watershed Restoration Project	\$126,406	Apache	Complete
21	95-023	Sabino Creek Riparian Ecosystem Protection Project	\$16,385	Pima	Complete
22	95-024	Potrero Creek Wetland Characterization and Management Plan	\$75,300	Santa Cruz	Complete
23	96-0001	San Pedro Riparian National Conservation Area Watershed Protection and Improvement Project	\$89,250	Cochise	Complete
24	96-0002	Completion Phase: Hi-Point Well Project	\$77,844	Coconino	Complete
25	96-0003	Hoxworth Springs Riparian Restoration Project	\$31,545	Coconino	Complete
26	96-0004	Hydrologic Investigation & Conservation Planning: Pipe Springs	\$50,000	Mohave	Complete
27	96-0005	Tres Rios-River Management and Constructed Wetlands Project	\$1,000,000	Maricopa	Complete
28	96-0006	Hydrogeologic Investigation of Groundwater Movement and Sources of Base Flow to Sonoita Creek and Implementation of Long-Term Monitoring Program	\$155,715	Santa Cruz	Complete
29	96-0007	Ash Creek Riparian Protection Project	\$19,248	Yavapai	Complete
30	96-0008	Watson Woods Vegetation Inventory	\$16,115	Yavapai	Complete
31	96-0009	Watson Woods Riparian Preserve Visitor Management	\$8,556	Yavapai	Complete
32	96-0010	Rehabilitating the Puertocito Wash on the Buenos Aires National Wildlife Refuge.	\$83,432	Pima	Complete
33	96-0011	Lower Colorado River - Imperial Division Restoration	\$435,928	Yuma	Complete
34	96-0012	Eagle Creek Watershed and Riparian Stabilization	\$80,626	Graham	Complete
35	96-0013	Happy Valley Riparian Area Restoration Project	\$64,697	Cochise	Complete
36	96-0014	Klondyke Tailings Response Strategy Analysis (RSA)	\$77,614	Graham	Complete

Map #	Grant #	Project Title	Grant Amount	County	Project Status
37	96-0015	Abandonment of an Artesian Geothermal Well	\$113,360	Graham	Complete
38	96-0016	'Ahakhav Tribal Preserve	\$1,131,477	La Paz	Complete
39	96-0017	Big Sandy River Riparian Project	\$92,000	Mohave	Complete
40	96-0018	San Carlos Spring Protection Project	\$131,540	Gila	Withdrawn
41	96-0019	Response of Bebb Willow to Riparian Restoration	\$33,752	Coconino	Complete
42	96-0020	Cienega Creek Stream Restoration	\$210,700	Pima	Complete
43	96-0021	Riparian Vegetation and Stream Channel Changes Associated with Water Management along the Bill Williams River	\$14,788	Mohave	Complete
44	96-0022	Saffell Canyon and Murray Basin Watershed Restoration Project	\$24,316	Apache	Complete
45	96-0023	Watershed Restoration at the Yuma Conservation Gardens	\$31,050	Yuma	Complete
46	96-0025	Tsaile Creek Watershed Restoration Demonstration	\$152,775	Apache	Complete
47	96-0026	Riparian Restoration on the San Xavier Indian Reservation Community	\$591,319	Pima	Complete
48	97-027	Lyle Canyon Allotment Riparian Area Restoration Project	\$60,359	Cochise	Complete
49	97-028	Creation of a Reference Riparian Area in the Gila Valley – Discovery Park	\$182,000	Graham	Complete
50	97-029	Demonstration Enhancement of Riparian Zone and Stream Channel along stretch of Pueblo Colorado Wash at Hubbell Trading Post	\$91,110	Apache	Complete
51	97-030	Walnut Creek Center for Education and Research - Biological Inventory	\$50,580	Yavapai	Complete
52	97-031	Lincoln Park Riparian Habitat Project (a.k.a. Atturbury Wash Project)	\$154,580	Pima	Complete
53	97-032	'Ahakhav Tribal Preserve - Deer Island Revegetation	\$228,800	La Paz	Complete
54	97-033	Proctor Vegetation Modification	\$11,487	Pima	Complete
55	97-034	Oak Tree Gully Stabilization	\$42,491	Pima	Complete
56	97-035	Watershed Improvement to Restore Riparian & Aquatic Habitat on the Muleshoe Ranch CMA	\$128,315	Cochise	Complete
57	97-036	Stable Isotopes as Tracers of Water Quality Constituents in the Upper Gila River	\$27,338	Graham	Complete
58	97-037	Talastima (Blue Canyon) Watershed Restoration Project	\$310,192	Coconino	Complete
59	97-038	Tres Rios Wetlands Heavy-Metal Bioavailability and Denitrification Investigation	\$117,028	Maricopa	Complete
60	97-040	Bingham Cienega Riparian Restoration Project	\$84,679	Pima	Complete
61	97-041	Altar Valley Watershed Resource Assessment	\$88,730	Pima	Complete
62	97-042	Queen Creek Restoration & Management Plan	\$207,595	Pinal	Complete
63	97-044	San Pedro River Preserve Riparian Habitat Restoration Project	\$336,127	Pinal	Complete
64	97-045	Santa Cruz Headwaters Project	\$100,445	Santa Cruz	Complete
65	98-046	EC Bar Ranch Water Well Project	\$20,300	Apache	Complete
66	98-047	Upper Verde Adaptive Management Unit	\$115,300	Yavapai	Complete
67	98-049	Empire/Cienega/Empirita Fencing Project	\$54,850	Pima	Complete
68	98-050	Watershed Restoration of a High-Elevation Riparian Community	\$304,775	Coconino	Complete
69	98-051	Evaluation of <i>Carex</i> Species for Use in Riparian Restoration	\$47,907	Coconino	Complete
70	98-052	Tritium as A Tracer of Groundwater Sources and Movement in The Upper Gila River Drainage	\$41,028	Graham	Complete
71	98-054	Fluvial Geomorphology Study and Demonstration Projects to Enhance and Restore Riparian Habitat on The Gila River from The New Mexico Border	\$449,872	Graham	Complete
72	98-055	Horseshoe Allotment: Verde Riparian Project II	\$82,561	Yavapai	Complete

Map #	Grant #	Project Title	Grant Amount	County	Project Status
73	98-057	Upper Verde Valley Riparian Area Historical Analysis	\$44,019	Yavapai	Complete
74	98-058	Effects of Removal of Livestock Grazing on Riparian Vegetation and Channel Conditions of Selected Reaches of the Upper Verde River	\$116,500	Yavapai	Terminated
75	98-059	Verde River Headwaters Riparian Restoration Demonstration Project	\$204,629	Coconino	Complete
76	98-061	Watershed Enhancement on the Antelope Allotment	\$137,307	Mohave	Complete
77	98-062	Partnership for Riparian Conservation in Northeastern Pima County II	\$54,734	Pima	Complete
78	98-066	Hay Mountain Watershed Rehabilitation	\$116,525	Cochise	Complete
79	99-067	EC Bar Ranch Wildlife Drinker Project	\$30,500	Apache	Complete
80	99-068	Lower Cienega Creek Restoration Evaluation Project	\$83,272	Pima	Complete
81	99-069	Riparian and Watershed Enhancements on the A7 Ranch - Lower San Pedro River	\$521,197	Cochise	Complete
82	99-070	Lyle Canyon Allotment Riparian Area Restoration Project --- Phase 2	\$214,211	Santa Cruz	Complete
83	99-071	Protection of Spring and Seep Resources of The South Rim, Grand Canyon National Park by Measuring Water Quality, Flow and Associated Biota	\$238,953	Coconino	Complete
84	99-072	Leopard Frog Habitat and Population Conservation at Buenos Aires National Wildlife Refuge	\$120,485	Pima	Terminated
85	99-073	Colorado River Nature Center Backwater ---- Phase 2	\$41,500	Mohave	Complete
86	99-074	Proposal to Inventory, Assess and Recommend Recovery Priorities for Arizona Strip Springs, Seeps and Natural Ponds	\$101,856	Coconino	Complete
87	99-075	Glen and Grand Canyon Riparian Restoration Project	\$371,285	Coconino	Complete
88	99-076	Watson Woods Preserve Herpetological Interpretive Guide and Checklist	\$31,255	Yavapai	Complete
89	99-077	Blue Box Crossing	\$150,000	Greenlee	Complete
90	99-078	Aquifer Framework and Ground-Water Flow Paths in Big and Little Chino Basins	\$188,140	Yavapai	Complete
91	99-079	Little Colorado River Riparian Restoration Project	\$404,587	Apache	Complete
92	99-080	Cortaro Mesquite Bosque	\$486,650	Pima	Terminated
93	99-083	Cherry Creek Enhancement Demonstration Project	\$263,225	Gila	Complete
94	99-084	Assessments of Riparian Zones in the Little Colorado River Watershed	\$79,443	Navajo	Complete
95	99-085	Kirkland Creek Watershed Resource Assessment	\$131,430	Yavapai	Complete
96	99-086	Abandonment of Gila Oil Syndicate Well #1	\$333,790	Graham	Complete
97	99-087	Rillito Creek Habitat Restoration Project	\$293,000	Pima	Withdrawn
98	99-088	Wickenburg High School Stream Habitat Creation	\$69,100	Maricopa	Complete
99	99-089	Town of Eagar/Round Valley Water Users Association Pressure Irrigation Feasibility Study & Preliminary Design	\$320,540	Apache	Complete
100	99-090	Redrock Riparian Improvement	\$62,350	Santa Cruz	Terminated
101	99-091	Effects of Livestock Use Levels on Riparian Trees on the Verde River	\$41,417	Yavapai	Complete
102	99-092	Little Colorado River Enhancement Demonstration Project	\$348,627	Apache	Complete
103	99-093	Coconino Plateau Regional Water Study	\$134,200	Coconino	Complete
104	99-094	Santa Cruz River Park Extension	\$434,684	Pima	Withdrawn
105	99-095	Brown Creek Riparian Restoration	\$34,037	Apache	Complete
106	99-096	Upper Santa Cruz Watershed Restoration	\$184,950	Santa Cruz	Withdrawn

Map #	Grant #	Project Title	Grant Amount	County	Project Status
107	99-097	Dakini Valley Riparian Project	\$66,130	Gila	Terminated
108	99-098	Rio Salado Habitat Restoration Project	\$950,408	Maricopa	Complete
109	00-099	Gila Reference Riparian Area, Discovery Park	\$152,850	Graham	Withdrawn
110	00-100	Willow Creek Riparian Restoration Project	\$33,480	Mohave	Complete
111	00-101	Murray Basin and Saffell Canyon Watershed Restoration Project	\$260,727	Apache	Complete
112	00-102	Upper Eagle Creek Restoration on East Eagle Allotment of Four Drag Ranch	\$66,330	Greenlee	Complete
113	00-103	Riparian Restoration on the Santa Cruz River - Santa Fe Ranch	\$49,008	Santa Cruz	Complete
114	00-104	Continued Enhancement of Pueblo Colorado Wash at Hubbell Trading Post National Historic Site	\$69,349	Apache	Complete
115	00-105	Hubbell Trading Post Riparian Restoration with Treated Effluent	\$81,951	Apache	Complete
116	00-106	Tres Alamos Ranch Dirt-Tanks-To-Aquatic-Habitat Conversion	\$69,220	Yavapai	Complete
117	00-108	Lake Mary Watershed Streams Restoration Project	\$253,119	Coconino	Complete
118	00-109	Lower San Pedro Watershed Project	\$249,871	Pima	Complete
119	00-110	Upper Fairchild Draw Riparian Restoration	\$35,515	Coconino	Complete
120	00-111	Cooperative Grazing Management for Riparian Improvement on the San Pedro	\$228,701	Pinal	Complete
121	00-112	Town of Eagar/Round Valley Water Users Assoc. - Additional Mapping for Water Quality Improvements in the Watershed	\$151,829	Apache	Complete
122	00-113	Polacca Wash Grazing Management	\$267,511	Navajo	Terminated
123	00-114	The Papago Park Green Line Project	\$229,152	Maricopa	Complete
124	00-115	Tucson Audubon Society North Simpson Farm Riparian Recovery Project	\$127,409	Pima	Complete
125	03-116	Cottonwood Creek Restoration	\$185,772	Cochise	Complete
126	03-117	Lynx Creek Restoration at Sediment Trap #2	\$179,771	Yavapai	Complete
127	03-118	Verde River Riparian Area Partnership Project	\$111,221	Yavapai	Withdrawn
128	03-119	Wet Meadows for Water Quality and Wildlife - A Riparian Restoration Project	\$137,027	Apache	Complete
129	04-120	Verde Headwaters 3-D Hydrogeological Model Framework and Visualization	\$46,634	Yavapai	Complete
130	04-121	Lynx Creek Restoration	\$266,020	Yavapai	Complete
131	04-122	Watson Woods Riparian Preserve Restoration Feasibility Project	\$183,523	Yavapai	Complete
132	04-123	Tucson Audubon Society, Santa Cruz River Habitat Project, North Simpson Site, Phase 2	\$130,786	Pima	Complete
133	04-124	Yuma East Wetlands Riparian Revegetation Project	\$285,878	Yuma	Complete
134	05-125	Wilkins' Family Little Colorado River Riparian Enhancement Project	\$293,618	Apache	Complete
135	05-126	X Diamond Ranch LCR Riparian Enhancement Project	\$352,119	Apache	Complete
136	05-127	EC Bar Ranch Reach 8 Water Well and Drinker Project	\$22,235	Apache	Complete
137	05-128	Canyon Creek Riparian Restoration Project, Reach 4-5	\$106,919	Gila	Complete
138	05-129	Georges Lake Riparian Restoration Project	\$168,636	Apache	Complete
139	05-130	Riparian Restoration on the San Xavier District - Project Two	\$36,353	Pima	Complete
140	05-131	Management & Control of Tamarisk and Other Invasive Vegetation at Backcountry Seeps, Springs and Tributaries in Grand Canyon National Park	\$245,500	Coconino	Complete
141	05-132	Esperanza Ranch Riparian Restoration Project	\$279,411	Santa Cruz	Complete

Map #	Grant #	Project Title	Grant Amount	County	Project Status
142	05-133	Verde Wild and Scenic River Fence Exclosure	\$63,888	Yavapai	Complete
143	05-134	Quechan Indian Nation Yuma East Wetlands Restoration Project - Phase I	\$263,803	Yuma	Complete
144	06-135	Double Circle Ranch Riparian Fencing Project	\$84,448	Greenlee	Complete
145	06-136	The Arboretum at Flagstaff Wetland Habitat Enhancement	\$116,000	Coconino	Complete
146	06-137	Pakoon Springs Restoration Design and Implementation Project	\$262,103	Mohave	Complete
147	06-138	Management and Control of Tamarisk and Other Invasive Vegetation at Backcountry Seeps, Springs, and Tributaries in Grand Canyon National Park - Second Year of Phase II	\$258,397	Coconino	Complete
148	06-139	Coal Mine Fence	\$187,013	Santa Cruz	Complete
149	06-140	Yuma Crossing National Heritage Area Yuma East Wetlands Restoration Project - Phase I	\$256,790	Yuma	Complete
150	07-141	Picture Canyon Rio De Flag Meander Restoration Project	\$330,225	Coconino	Complete
151	07-142	Reduction of Erosion and Sedimentation along the Lower San Pedro River Through Hydrologic Restoration of Modified Ephemeral Washes	\$396,409	Pinal	Complete
152	07-143	Little Colorado River & Nutrioso Creek Riparian Enhancement Project	\$198,996	Apache	Complete
153	07-144	Evaluation of Riparian Habitat and Headcutting on Lower Cienega Creek	\$23,972	Pima	Complete
154	07-145	Kaler Ranch Erosion Control Project, Phase II	\$284,332	Greenlee	Complete
155	07-146	Little Colorado River Project on H-Y Ranch River Property	\$53,000	Navajo	Withdrawn
156	07-147	The Effects of Restoration on Wildlife Recovery at the Yuma East Wetlands Restoration Project	\$68,016	Yuma	Complete
157	07-148	South Channel Phase II Restoration Project	\$603,487	Yuma	Complete
158	07-149	Control of Tamarisk on 12 Miles of the Upper Verde River	\$366,390	Yavapai	Complete
159	07-150	Fairchild Draw Riparian Restoration Project	\$172,674	Coconino	Complete
160	08-151	Test of Riparian Recovery Following Cessation of Groundwater Pumping, Lower San Pedro	\$61,795	Pinal	Complete
161	08-152	AWPF Yuma East Wetlands 68-acre Riparian Revegetation	\$746,667	Yuma	Complete
162	08-153	The Effects of Restoration on Herpetofaunal and Mammalian Community Recovery	\$156,833	Yuma	Complete
163	08-154	Billy Creek Natural Area Riparian Restoration Project	\$248,826	Navajo	Complete
164	08-155	Restoration of the Gila River at Apache Grove	\$744,747	Greenlee	Complete
165	08-156	Cocopah Colorado River Restoration	\$296,708	Yuma	Complete
166	08-157	Paria River Exotic Removal Project - Phase I	\$293,960	Coconino	Complete
167	08-158	Watson Woods Riparian Preserve Restoration Project	\$798,988	Yavapai	Complete
168	08-159	Hoxworth Springs Stream Channel Restoration Project	\$142,543	Coconino	Complete
169	08-160	Atturbury Wash Riparian Stewardship Project	\$390,839	Pima	Complete
170	08-161	Montezuma Well Riparian Pasture Restoration Project	\$296,155	Yavapai	Complete
171	09-162	Middle Fossil Creek Riparian Habitat Protection and Restoration	\$250,348	Gila	Complete
172	09-163	Double Circle Ranch Erosion Control Project	\$35,356	Greenlee	Complete
173	09-164	Babocomari River Riparian Protection Project	\$118,125	Santa Cruz	Complete
174	09-165	Alpine Ranger District Riparian Improvement	\$372,579	Apache	Complete
175	09-166	Hunter's Hole Riparian and Wetland Restoration Project	\$683,345	Yuma	Complete
176	09-167	Tavasci Marsh Wetland Restoration Project	\$374,838	Yavapai	Terminated
177	09-169	Gila River Water Conservation Education Program	\$148,612	Graham	Complete
178	09-171	Black Canyon Riparian Restoration Project	\$291,700	Yavapai	Complete

Map #	Grant #	Project Title	Grant Amount	County	Project Status
179	11-172	Avifaunal and Butterfly (Lepidoptera) Recovery in Restored Wetland and Riparian Habitats	\$100,758	Yuma	Complete
180	11-173	Invasive Weed Control - Gila River Corridor, Greenlee County	\$261,995	Greenlee	Complete
181	11-174	Eagle Creek Riparian Restoration at Filleman Crossing	\$265,776	Greenlee	Withdrawn
182	11-175	E. Coli Reduction on the San Francisco River through Alternative Livestock Water on the Kaler Ranch, Phase II	\$137,594	Greenlee	Complete
183	11-176	Double Circle Ranch Erosion Control Project Phase II	\$36,866	Greenlee	Complete
184	11-177	Eagle Creek Riparian Protection Project	\$136,714	Greenlee	Complete
185	11-179	Inventory of Tamarisk Leaf Beetle and Effects on Riparian Habitat in the Colorado, Verde, Salt and Tonto Rivers	\$141,972	Coconino	Complete
186	11-180	Pakoon Wash and Pakoon Springs Restoration and Enhancement Project	\$306,353	Mohave	Complete
187	11-181	Hidden Slough and Leopard Frog Marsh Restoration in Glen Canyon National Recreation Area , AZ	\$348,901	Mohave	Complete
188	14-182	Arundo Eradication & Riparian Restoration of Sabino and Bear Creek, Tucson, AZ	\$51,262	Pima	Active
189	14-183	Menges Ranch Water System Maintenance Project	\$28,546	Greenlee / Graham	Withdrawn
190	14-184	Date Creek Riparian Restoration Project	\$147,877	Yavapai	Withdrawn
191	14-185	Horseshoe Draw Flood Control, Restoration and Erosion Mitigation Study and Design Project	\$198,625	Cochise	Complete
192	15-186	Phase Two Gila River Corridor Invasive Weed Control	\$133,338	Greenlee / Graham	Complete
193	15-187	Upper Verde River Habitat Improvement Project	\$169,325	Yavapai	Complete
194	17-188	A&NC Focal Area Watershed Improvement Project	\$303,975	Apache	Active
195	17-189	Erosion Control to Stabilize Soils and Restore Historic Grasslands in the Upper Verde River Watershed	\$138,183	Yavapai	Active
196	17-190	River Restoration through Hazardous Fuels and Invasive Species Removal	\$94,903	Graham	Active
197	17-191	Verde River Habitat Improvement Project	\$246,448	Yavapai	Active
198	17-192	Lower Verde River Riparian Restoration Project	\$113,896	Maricopa	Active
199	19-193	Verde River-Oak Creek Confluence Habitat Improvement Project	\$292,451	Yavapai	Active
200	19-194	Davis Cattle Co. Grassland Restoration	\$341,626	Cochise	Active
201	19-195	Gila Valley Irrigation District Rapid Appraisal for Modernization	\$32,982	Graham	Active
202	19-196	Do Native Fish Facilitate the Persistence of Endangered Spikedace by Resuspending Food Particles	\$32,496	Greenlee	N/A
203	19-197	Bill Williams Mountain Forest and Watershed Restoration Project	\$315,000	Coconino	Active
204	19-198	Granite Creek Corridor Enhancement Master Plan	\$79,401	Yavapai	Active
205	19-199	Headwater Stream Restoration: Coyote Springs, Museum of Northern Arizona, Flagstaff	\$31,846	Coconino	N/A
206	19-200	American Gulch Channel and Riparian Enhancement	\$202,556	Gila	Active
207	19-201	Webber Creek Sediment Control Project	\$166,057	Gila	N/A

NOTE: The “Grant Amount” column represents the full grant awarded for each project. Some grants have been completed for less money than the amount budgeted, while others have been withdrawn by the grantee or terminated by the Commission prior to expenditure of funds or expenditure of the full grant amount. This column has not been changed to reflect these situations.

APPENDIX B: FINANCIAL STATEMENT

(INSERT AWPf FINANCIAL STATEMENT AS THE NEXT PAGE WHEN CREATING THE FINAL .PDF)

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Arizona Water Protection Fund Commission Grant Application Manual



Fiscal Year 2020 Funding Cycle

ARIZONA WATER PROTECTION FUND
Grant Application Manual
FY 2020 Funding Cycle

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SECTION I – GENERAL INFORMATION

Introduction

It is declared policy of the legislature to provide for a coordinated effort for the restoration and conservation of the water resources of this state. The Arizona Water Protection Fund (AWPF) is a competitive state grant program that is designed to allow the people of Arizona to prosper while providing funding to interested parties for the development and implementation of measures to protect water of sufficient quality and quantity to maintain, enhance and restore river and riparian resources throughout Arizona, including projects that benefit fish and wildlife that are dependent on these important resources and measures to increase water availability and supply. The distribution of grant funds from the AWPF is authorized pursuant to A.R.S. § 45-2101 *et seq.* and is overseen by the Arizona Water Protection Fund Commission (Commission). The program is administered through the Arizona Department of Water Resources (ADWR).

The AWPF supports projects that fit the following objectives to meet the program goals:

- Provide identified and measurable benefits to the water resources of Arizona through broad based local support
- Provide positive, effective examples for other similar projects.
- Advance the field of water conservation knowledge in Arizona.
- Increase public awareness of the function and value of riparian resources in Arizona.

Riparian Habitat is defined as an ecosystem found between aquatic and upland environments that is dependent on the existence of a perennial, intermittent, or ephemeral water source. Soil and vegetation in riparian areas have distinct characteristics that make them different from surrounding areas.

Riparian habitats are vital resource areas that:

- Improve water quantity by storing water in streambanks, which is slowly released to help maintain base flows.
- Improve water quality by trapping sediments from surface water runoff, providing nutrient cycling and increasing streambank stabilization.
- Provide flood control by slowing and absorbing flood waters, resulting in reduced flood damage and increased groundwater storage.
- Provide highly valued recreational opportunities such as fishing, camping, hiking, wildlife viewing and picnicking.
- Sustain high biodiversity of plant and animal species.
- Provide important wildlife habitat such as food, shelter, relief and travel corridors.
- Help stabilize water temperatures for aquatic species.
- Provide economic benefits by increasing property values, improving water supplies, reducing flood damage, filtering pollutants and supporting recreational activities.

This manual provides the necessary information for interested parties to submit an application for funding consideration. More information about the AWPF is available on the Commission's web site at www.azwpcf.gov.

General Guidelines

Funding Categories

The AWPF typically awards grants under three categories:

- 1) **Capital Projects:** Projects under this category include on-the-ground measures that maintain, enhance and restore Arizona's river and riparian resources, including projects that benefit fish and wildlife that are dependent on these important resources. Feasibility of design studies are considered capital projects, but are only eligible if the applicant (1) requests funding to investigate the feasibility of implementing a specific capital project that is being proposed, (2) develops a detailed implementation plan and budget for the proposed project as part of the feasibility study, and (3) has control and tenure over the proposed project area and the authority to implement the proposed project should it be deemed feasible. Acquisition of Central Arizona Project water or effluent to restore and maintain river and riparian resources may also be considered a capital project. Examples of projects under this category include components that do one or more of the following:

- Demonstrate direct benefits to perennial or intermittent rivers or streams *
- Demonstrate commitment to continued maintenance of proposed enhancements *
- Protect/Restore native riparian vegetation and habitat
- Restore proper hydrologic conditions/functions
- Restore proper stream geomorphology/channel characteristics
- Restore floodplains
- Restore wetlands/backwater areas
- Improve watershed conditions using forest and/or near-stream restoration treatments that improve water quality or increase water quantity
- Protect/Restore habitat needs for fish and wildlife
- Decrease negative impacts of non-native species to riparian areas

* INDICATES FUNDING PRIORITY IN STATUTE

- 2) **Research (Total annual funding limited to 5% of monies received by the AWPF each fiscal year):** Projects under this category include research and data collection measures that are related to maintaining, enhancing and restoring Arizona's river and riparian resources, including fish and wildlife that are dependent on these important resources. Research projects must be developed using the Scientific Method. Examples of projects under this category include:

- Research that will advance the science of river and riparian restoration in the Southwest
- Research that will advance scientific understanding of fluvial processes and ecosystem characteristics and functions in association with rivers, streams, and wetlands
- Research that will evaluate impacts or values of invasive species in riparian habitat.

- 3) **Water Conservation:** Projects under this category include measures that develop, promote or implement programs designed to conserve water for a purpose related to maintaining, enhancing and restoring Arizona's river and riparian resources, including fish and wildlife that are dependent on these important resources. Projects under this category must be located outside of all Active Management Areas.

Eligible Applicants

Any person, organization, local/state/tribal agency, or political subdivision of Arizona may submit an application. Federal agencies are not eligible to receive funding from the AWPF; however, funding can be awarded to projects on federal lands.

Eligible Applications

Grant applications must meet all the following requirements to be considered eligible for evaluation during the FY 2020 grant cycle:

- Administrative costs limited to a maximum of 5% of the total AWPf project funds requested.
- Applicant must have legal and physical access as well as authority to implement the project as applied for the area where the grant tasks are to be performed. After grant awards have been determined, signed cooperative agreements with all parties granting such access and authority, will need to be provided to the AWPf in a timely manner prior to the finalization of any contracts.
- Applicant must provide appropriate documentation that any water to be used in the project is legally and physically available to the applicant for the stated purpose.
- Applicant must demonstrate that vital partnerships, funding, etc. have been committed at the time of the application or submit letters of support from the appropriate entities with a plan to obtain these critical elements prior to grant award.

Ineligible Applications

In accordance with state statutes, funding is prohibited for:

- Purchase of real property/conservation easements
- Projects outside the state of Arizona
- Any project that includes the planting of mesquite, tamarisk or other nonnative high-water usage trees that consume water to a degree that is detrimental to water conservation efforts.
- Remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 U.S.C. § 9601, or Water Quality Assurance Revolving Fund (WQARF), A.R.S. § 49-281 *et seq.*
- Research projects with funding requests in excess of 5% of the total funds received for the FY 2020 funding cycle.
- Water conservation projects/program applications within one of the five AMA's.

In accordance with Commission Policy, funding will not be provided for:

- Projects located in areas with elevated levels of environmental contaminants that pose risk of harm to human health or the environment, including hazardous substances, hazardous wastes, petroleum products or Environmental Protection Agency priority toxic pollutants.
- Projects which are required as a result of legal action taken by a regulatory agency, such as ecological mitigation. Applicants must notify the Commission if a proposed project is part of any mitigation effort.

- Projects that are designed to meet wastewater treatment requirements. Proposed projects that create or sustain riparian habitat using treated effluent or recycled water that already meets or exceeds relevant state and federal standards may be considered as long as the project meets the requirements of A.R.S. § 45-2101(B).
- Generally, the Commission does not fund groundwater recharge or recovery projects.

Important Notes

- Administrative costs **must** be limited to a maximum of 5% of the total AWPf project funds requested. Subcontractors or consultants working on your project must also conform to the 5% administrative cost limit if you are paying them out of AWPf funds.
- Payments are made on a cost reimbursement basis. Appropriate documentation (*e.g.*, receipts, invoices, reports, data, and photographs) will be required in order to receive reimbursement.
- Commission/Staff access for inspection and evaluation of the project will be required as a contract condition.
- A final presentation to the commission within 90 days of the contract termination date will be required as a contract condition and will be included as a deliverable within the final reporting task.
- Adequate accounting practices and record keeping will be required.
- Submittal of pertinent information and research gained from all projects will be required.

Grant Cycle Details

FY 2020 Grant Cycle Schedule

The Commission and staff will implement the FY 2020 grant cycle based on the schedule in Table 1*.

Table 1. FY 2020 Grant Application Process Schedule

FY2020 Proposed Grant Application Process Schedule*	Timeline
Applications available	July 8, 2019 (on-going)
Application workshop	July 24, 2019
Pre-application consultations (depending on staff availability)	July - August 2019
Final date and time to submit applications	September 6, 2019 at 3:00 PM
Public comment period for applications	September 18 – November 1, 2019
Staff review comments to applicants / Commission	No later than November 15, 2019
Applicant presentations / Commission grant selections	November 19 – 20, 2019
Applicants notified of funding status	December 2019
Staff begins writing grant contracts	December 2019 / January 2020

**The Commission reserves the right to adjust this schedule if necessary.*

Grant Application Workshops & Consultations

AWPF staff will provide opportunities for pre-application consultations (as time permits) with potential applicants on a first-come-first-served basis as indicated in Table 1. Due to time constraints, consultations will be limited to a maximum of one hour. Applicants should schedule a consultation as far in advance as possible, and are encouraged to submit a draft application at least one week in advance of the consultation. Consultations will be conducted at the AWPF office in Phoenix or offered via teleconference.

In addition, AWPF staff will conduct a workshop for potential applicants as indicated in Table 2. It is highly recommended that applicants attend a workshop and schedule a pre-application consultation. Past experience has demonstrated that workshop attendance and discussing your proposal with staff should help you develop a better application.

Table 2. FY 2020 Grant Application Workshop

Location	Date	Time	Address
Phoenix, AZ*	July 24, 2019	1:30 p.m. – 2:30 p.m.	Arizona Dept. of Water Resources 1110 West Washington St. Suite 310 Phoenix, AZ 85007 Middle Verde Conference Rm. 4 th Floor

**Staff will be hosting an online webinar of the grant application workshop for those not able to attend in person. Please contact the Arizona Water Protection Fund (602-771-8528) or rteran@azwater.gov for more information prior to July 24, 2018.*

Application Due Date

Applications must be submitted no later than the date and time indicated in Table 1. Detailed submission requirements are outlined in Section II – Grant Application.

Grant Evaluation Process

Applications will be initially reviewed for completeness and consistency with AWPf statutes and policy. Applications that are complete and eligible under statute and Commission policy will be reviewed by AWPf staff in accordance with the evaluation criteria listed below. Other appropriate state and federal agencies may be asked to review and comment on applications. AWPf staff will compile intra-agency and inter-agency comments. Please note that under the following circumstances, applications will not be given further consideration:

- It is determined that the proposed project is ineligible according to AWPf statutes or Commission policy.
- It is determined that the application does not contain all of the required information identified in Section II of this manual.
- It is determined that any part of the application is ineligible for funding.

Application Evaluation

Application evaluation criteria should guide you in the development of your application. Staff will use the criteria listed below to organize their technical reviews and evaluate applications submitted for consideration. Applications that meet many to all of the criteria will rate higher than those meeting few to none of the criteria. **Please note that the evaluation criteria for capital and water conservation projects are different than those used for research projects.**

The Commission shall give priority to applications which:

- Enhance, maintain and/or restore river, stream and riparian resources in headwater streams and watersheds that will provide direct improvements to water quality and/or increase water quantity, addresses degraded watershed health conditions or impacts to perennial streams through implementation of scientifically based restoration projects (see examples of capital projects listed under funding categories).
- Matching monies or assets of comparable value including in kind contributions will be provided by other sources.
- Provide for the continued maintenance of the portion of the river and stream and associated riparian habitat that are enhanced by the project.
- Projects that include broad based local involvement/support.
- Directly benefit perennial or intermittent rivers or streams or that otherwise increase the supply of water.
- If for the purposes of water conservation, the applicant estimates the water increase and/or savings and how this estimate was determined.

Evaluation Criteria for Capital and Water Conservation Projects

- A. Project Will Enhance, Maintain and/or Restore River, Stream and Riparian Resources (See bullets under capital projects on page 4).
- B. Project Will Benefit Fish and Wildlife Resources Dependent on River, Stream and Riparian Resources (See bullets under capital projects on page 4).

C. Feasibility

- Objectives clearly identified and demonstrate benefits to river, stream and riparian resources / dependent fish and wildlife resources
- Methodologies and designs clearly presented, appropriate and adequate
- Clarity and adequacy of the scope of work and deliverables
- Cost/Benefit compared to similar applications submitted
- Expertise of applicant/personnel/subcontractors appropriate
- Description of the relationship between any existing plans, reports and/or information relevant to the proposed project [**required**]. (See Existing Plans/Reports/Information guidance on page 19.)

D. Monitoring

- Objectives clearly identified
- Methods clearly presented, appropriate and adequate to evaluate benefits to rivers, streams and riparian resources and/or dependent fish and wildlife resources

E. Other Considerations

- Add coordinated effort with state or watershed restoration programs
- Public outreach
- Project will support local businesses
- If the applicant is proposing to use out of state consultants, there is adequate justification for their use and associated travel costs

Evaluation Criteria for Research Applications

A. Research is applicable to river and riparian restoration and or fish and wildlife that are dependent on river and riparian resources

B. Application demonstrates use of the Scientific Method

- Background research includes data collection, analysis and synthesis
 - Data collection will build on existing data, or generate new data
 - Quality literature review provided
- Hypothesis or hypotheses are clearly articulated
- Research/experimental design is clearly presented, appropriate and adequate to:
 - Test hypothesis or hypotheses
 - Analyze data and draw conclusions
 - Report results

C. Feasibility

- Clarity and adequacy of the scope of work and deliverables
- Cost of research reflects potential benefits of outcomes
- Expertise of applicant/personnel/subcontractors appropriate
- Description of the relationship between any existing plans, reports and/or information relevant to the proposed project [**required**] – (See guidance on page 19.)

D. Research results may be translatable

E. Proposal includes some form of publication as a deliverable (e.g. intent to publish results in a professional journal, article in a watershed newsletter, other written media) and a commitment to

some form of public presentation(s) (e.g. AWPf Commission meeting, watershed group meeting, professional conference, or other peer group)

F. Other Considerations

- Project will support local businesses
- If the applicant is proposing to use out of state consultants, there is adequate justification for their use and associated travel costs

Applicant Presentations to Commission

Applicants will be given an opportunity to provide a brief (10-15 minute) presentation to the Commission in accordance with the schedule in Table 1. Commission members consider staff reviews, but also use their own judgment when making grant award selections.

Changes to the scope of work during the application process

Once the application has been received by the commission, applicants are not permitted to make changes to the scope of the project during the application process.

Grant Award Notification

Applicants will be notified as to whether they received a grant award as outlined in Table 1. Notification of grant award does not authorize any expenditure of funds. Please see Grant Awards subsection below.

Application Assistance

Please contact the AWPf staff at (602) 771-8528 if you are in need of any assistance with completing or filing a grant application.

Grant Awards

Grant Award Contracts

A grant award by the Commission does not allow you to immediately start your project. Grant awards are implemented through contracts, which may extend up to five years in duration. The Arizona State Constitution prohibits the Commission from giving gifts. Therefore, monies are granted in return for equivalent products. The grant award contract specifies the deliverables, due dates and costs associated with producing those products. The application is structured so that if it is completed correctly, much of the detail for a contract will have already been obtained. Please note that you **cannot be reimbursed** for any project expenditure activities **conducted prior to executing a contract**.

Grant work may only begin after a grant award contract has been finalized and signed by both the applicant and the Commission Chair. For most grant award contracts, expenditures will be reimbursable, which means that you will be responsible for initial payment of costs. AWPf will reimburse your costs based upon actual initial expenditures. Monetary disbursement is in accordance with the details within each contract and is paid out after submittal of complete and accurate deliverables and payment requests. AWPf staff must review and approve these before payment can be processed. Therefore, the grantee must have a sufficient line of credit to fund project activities for some period of time. In some instances, the Commission may authorize a one-time advance payment at the beginning of the grant, up to 20 percent of the total grant amount, but not to exceed \$50,000. Applicants must indicate on the application cover page whether they are requesting an advance payment.

If a grantee proposes minor modifications to a project, such that the purpose (or scope) of the project will be changed, the AWPf Commission will re-evaluate the project and may grant an amendment to the contract after a formal request is made.

General Provisions - Grant Award Contract

The contract will contain General Provisions, which are standard contract clauses (Appendix A). **Please have your legal counsel and/or responsible contracting authority review and accept these provisions prior to the submittal of your application.**

Long-Term Maintenance of Project Benefits

The Commission intends that AWPf monies act as “seed money” for putting projects on the ground. The Commission expects grantees to maintain the project beyond the contract period, or that it will develop institutional partnerships to do so. The Commission requires that capital improvements be maintained by the grantee for a period of up to 20 years. Unforeseen acts of nature may substantially alter your project in some future year, and upon notifying the Commission of that occurrence, you may not be required to maintain the capital improvements subsequent to that event.

SECTION II: GRANT APPLICATION

Grant Application Planning and Content Overview

*Indicates an electronic form is available.

Application Planning

It is important that application forms are carefully completed with accurate, realistic information. Before developing a grant application, applicants should carefully consider and understand:

- How the project should be structured?
- What are the necessary project components/permits?
- When project components can be completed (realistic timeline)?
- Who the necessary personnel are to complete project components?
- How much each project component will cost to complete?

Application Content Requirements Overview

- 1) Application Cover Page *
- 2) Executive Summary (500-word maximum)
- 3) Project Overview (2-page max.)
 - Background
 - Goals
 - Objectives
 - Statement of Problems/Causes (Capital and Water Conservation Projects)
 - Statement of Solutions (Capital and Water Conservation Projects)
 - Statement of Project Years of Benefit to the resource and general public (Capital and Water Conservation Projects)
- 4) Project Location and Environmental Contaminant Information *
- 5) Scope of work (preferably in Microsoft word format)
- 6) Detailed Budget Breakdown (*preferably in Microsoft Word or Excel format*)
 - Direct Labor & Outside Services Costs
 - Other Direct Costs
 - Capital Outlay & Equipment Costs
 - Administrative Costs
- 7) Detailed Matching Funds Breakdown (If applicable – matching funds are not required)
 - Direct Labor & Outside Services Costs
 - Capital Outlay & Equipment Costs
 - Administrative Costs
- 8) Project Maps and Schematic
 - Arizona Watershed Map *
 - Project Location/Ownership Map(s)
- 9) Supplemental Information
 - State Historic Preservation Office (SHPO) Review Form *
 - Key Personnel
 - Project Site Photographs
 - Existing Plans, Reports, Information Relevant to the Project (summary paragraph for each plan/report with relevant portion or full report attached as an appendix)
 - Letters of Community Support
 - Evidence of Control and Tenure of Land including legal access
 - A narrative as to how the applicant will obtain permission for project work and/or access (agreements must be finalized prior to contract finalization)
 - Letters from those pledging matching funds
 - Evidence of Physical and Legal Availability of Water

Grant Application Instructions

Application Submission Requirements

Applications must include all the information identified in the Application Content Requirements Overview (page 12). Specific content requirements instructions are provided below. Electronic forms are provided in Microsoft Word format for the Application Cover Page, Watershed Map, Project Location and Environmental Contaminants Information, and State Historic Preservation Office requirements only. If you do not have access to Microsoft Word, you may recreate the electronic forms using any word processing software. The electronic forms are available in hard copy, or on the AWPf web site at: www.azwpcf.gov. No electronic forms are provided for the remaining required information. **AWPF prefers that all applications are developed in Microsoft Word and Excel format to provide ease with contract development should your application be approved for funding.**

Applications must be submitted on 8.5" x 11" pages with a font size no smaller than 11 point. Maps may be printed on larger than 8.5" x 11" pages. Please submit all information in the sequence presented in the Application Content Requirements Overview (reference page 12) with page numbers and tabbed dividers separating application content sections.

Applications must be signed by a person who is legally authorized to enter into an agreement on behalf of the applicant.

One electronic copy & one signed copy of the complete application must be submitted to:

**Arizona Water Protection Fund Commission
1110 West Washington Street, Suite 310
Phoenix, AZ 85007**

Applications must be received at the Arizona Water Protection Fund office listed above no later than **3:00 p.m. on September 6, 2018.** Late applications will not be accepted.

Application Content Requirements

The following instructions should guide you through the application process (Reference the Application Content Requirements Overview on the previous page).

Application Cover Page

Provide the requested information on this form (See page 22). The project title should be short, yet descriptive of the proposal. Have the application cover page signed by an authorized person.

Executive Summary (500-word limit)

This section is limited to one page. The executive summary should clearly state the purpose of the proposal and provide a clear overview of all major project features.

Project Overview

Capital and Water Conservation Projects: State the purpose of the project and its general location. Provide any necessary background information for the project, including any relevant history regarding the project area. Identify the overall goal(s) of your project (what you want to achieve), followed by the objectives of your project. Objectives are specific, measurable outcomes of the project. List these objectives in numerical order, with the first objective having the most important outcome. Discuss the problem(s) your proposal is addressing, the cause(s) of these problems, and the solutions that you believe are appropriate. State whether the project will result

in water conservation. State the anticipated number of years of project-related benefit from the project to the resources and the general public, along with a justification for that estimate. For on-going projects, describe the site prior to project initiation, tasks that have been completed and any site changes that have occurred as a result of these activities.

Research and Data Collection Projects: Provide a statement of applicability to river and riparian restoration and/or dependent fish and wildlife. Include any necessary background information for the project such as background research/data collection and analysis or synthesis completed to prepare the current proposal being submitted. Identify if data collection will build upon existing data, or generate new data. If the research is to be place based (e.g, outside of a laboratory), identify the study areas physical characteristics, including drainage area, channel length, slope, soil type, average annual precipitation, depth to groundwater, gaining or losing reach and any other pertinent information. Also, identify the Ecosystem Service(s) that the proposed research will address (See Table 3).

Project Location and Environmental Contaminants Information

All applicants must provide project location and environmental contaminant information (see page 24).

Scope of Work

For each task, please describe in detail the work to be completed, and how it will allow you to accomplish your objectives and achieve your desired results. Tasks should be listed numerically and include the following information:

- Task #:
- Task Title
- Task Description
- Task Purpose/Objective
- Responsible personnel
- Deliverable Description
- Deliverable Due Date
- Task Cost (rounded to the nearest dollar)

General Guidelines

- If applicable, obtaining permits, authorizations, clearances and access agreements should be the first task. Obtaining the appropriate permits will take longer than generally anticipated; allow more time than what is expected to avoid amendments to deliverable due dates.
- If applicable, development of plans (*e.g.*, re-vegetation, construction, monitoring) should be included as a separate task prior to on-the-ground activity.
- Some tasks continue throughout the contract duration, attempt to make each task separate and payable upon completion.
- The final task must be a final report and oral presentation with an appropriate cost assigned.
- A deliverable is a product submitted to the AWPf demonstrating that work has been completed. Deliverables are often reports, photographs, data, etc. that are submitted along with receipts and invoices for materials and labor.

PROJECT GOALS describe the broad intent of the project.

OBJECTIVES provide additional specificity to the goals.

TASKS are the actual practices implemented to achieve the objective.

MONITORING benchmarks establish a metric by which to measure success of a task in meeting the objective.

Example: **Task 1: Permits, Authorizations, Clearances and Agreements**

Task Description: The Grantee must obtain and submit to the Project Manager all permits, authorizations, clearances and agreements, and perform any consultations necessary to complete the tasks listed in this Scope of Work. These may include but are not limited to:

- State Historic Preservation Office (SHPO) clearance
- National Environmental Policy Act (NEPA) compliance
- Endangered Species Act Section 7 consultation with US Fish & Wildlife Service
- Access agreement(s) between Grantee and Landowner(s) (if different)
- Notice of Intention to Drill (NOI) authorization
- Clean Water Act Section 401 Certification from Arizona Department of Environmental Quality
- Clean Water Act Section 404 permit from the Army Corps of Engineers
- Data Collection permit(s) if necessary
- Water right permits if necessary
- Arizona Pollutant Discharge Elimination System (AZPDES) Permit
- Arizona Department of Environmental Quality Pesticide General Permit and filing of Notice of Intent

Task Purpose: To comply with all local, state and federal permit requirements, environmental laws such as NEPA and obtain legal access to project area.

Deliverable Description: Copies of all approved permits, authorizations, clearances and agreements.

Responsible personnel: Grantee/administrator, subcontractor, etc.

Deliverable Due Date: Prior to any ground disturbing activities

Reimbursable Cost: \$2,500.00

Project Schematic

Provide a detailed drawing/schematic on 8.5" x 11" paper, for any projects involving construction and/or investigation of physical features. The schematic must include all project features for which funding is being requested or discussed within the proposal (e.g. check-dams, re-vegetation areas, fence lines, water distribution systems, existing or planned well and gage locations, etc.). Planning documents provided by the USDA Natural Resource Conservation Service will be accepted. In addition, identify all important project features located in relationship to one another, and in relationship to important site physical features (e.g. streams and other bodies of water). The schematic must include a north arrow, a project title and the date of preparation. Submit as many drawings as needed to demonstrate all project features.

Detailed Budget Breakdown

Provide a detailed breakdown of your budget by task in a table format (preferably using Microsoft Word or Excel). Divide your Scope of Work tasks (plans, monitoring, construction, reporting, etc.) into Direct Labor Costs, Outside Services Costs, Other Direct Costs, Capital Outlay &

Equipment Costs, and Administrative Costs. Please round figures up or down to the nearest dollar. Identify only funds being requested from AWPf in this section. Expenditures not listed may not be eligible for reimbursement unless prior written approval is received from the Commission or Staff.

Direct Labor Costs include the labor costs directly involved with the project (wages, salaries, and fringe benefits of grantee and/or its employees). Direct labor costs must be broken down by job classification (e.g., project scientist, hydrologist, laborer, etc.), and average cost/hour for that job classification.

Outside Services are consultants or subcontractors. Outside services costs must be broken down by job classification (e.g., project scientist, hydrologist, laborer, etc.), and average cost/hour for that job classification.

Other Direct Costs include supplies (e.g. paper and pencils), computer time, per diem, printing, public relations, etc. This should be an estimate of costs incurred over the life of the project as a lump sum, not per item.

Capital Outlay & Equipment Costs includes any equipment or other expenditures (e.g., water purchases, sampling equipment, fencing materials). Please list anticipated costs for individual major expenditures in excess of \$1000.00, all other materials/equipment in this section can be summarized as a lump sum by material (i.e. fencing materials \$750.00, backhoe rental \$100.00/hr for 25 hours = \$2500.00).

Administrative Costs are management and overhead costs. **By statute, the total administrative costs charged to the AWPf cannot exceed 5% of the total project costs requested from the AWPf.**

Detailed Matching Funds Breakdown

Matching funds are not required to be eligible for AWPf funding; however, projects that do include matching funds typically receive higher consideration. (See Detailed Budget Breakdown above for guidance). Identify only matching funds on this form. Please note that matching administration costs are **not** limited to 5% of the total project costs.

Volunteer labor costs should be based on current minimum wage rates; technical volunteer labor can be based on an hourly fee comparable to consulting fees.

Project Locations Map(s) and Schematic

Arizona Watershed Map (see page 23)

Type the project title at the bottom of the map. Indicate the location of your project on the map and ensure that your markings are clearly visible on the electronic and hard copy submitted. In addition, provide a map of the project area with Township/Range/Sections clearly identified.

Project Location/Ownership Map(s)

Provide a detailed map(s) to scale that clearly delineates the following information:

- Project location boundaries, including acreage where grant tasks will be performed
- A general description and/or delineation for the area of impact of the project within the watershed.
- Land ownership boundaries, including areas of legal and physical access
- Sources of water to be used in the project

Table 3. Ecosystem Services and Functions*

Ecosystem Service	Ecosystem Function(s)	Examples
Disturbance regulation	Capacitance, damping and integrity of ecosystem response to environmental fluctuations	Storm protection, flood control, drought recovery and other aspects of habitat response to environmental variability mainly controlled by vegetation structure
Water Regulation	Regulation of hydrologic flows	Provisioning of water for agricultural (such as irrigation) or industrial (such as milling) processes or transportation
Water supply	Storage and retention of water	Provisioning of water by watersheds, reservoirs and aquifers
Erosion control and sediment retention	Retention of soil within an ecosystem	Prevention of loss of soil by wind, runoff, or other removal processes, storage of silt in lakes and wetlands
Soil formation	Soil formation processes	Weathering of rock and the accumulation of organic material
Biological control	Trophic-dynamic regulations of populations	Keystone predator control of prey species, reduction of herbivory by top predators
Refugia	Habitat for resident and transient populations	Nurseries, habitat for migratory species, regional habitats for locally harvested species, or overwintering grounds
Genetic resources	Sources of unique biological materials and products	Medicine, products for material science, genes for resistance to plant pathogens and crop pests, ornamental species (pets and horticultural varieties of plants)
Climate regulation	Regulation of global temperatures, precipitation, and other biologically mediated climatic processes at global or local levels	Greenhouse gas regulation, DMS production affecting cloud formation
Gas regulation	Regulation of atmospheric chemical composition	CO ₂ /O ₂ balance, O ₃ for UVB protection, and SO ₄ levels
Nutrient cycling	Storage, internal cycling, processing and acquisition of nutrients	Nitrogen fixation, N, P and other elemental or nutrient cycles
Pollination	Movement of floral gametes	Provisioning of pollinators for the reproduction of plant populations
Recreation	Providing opportunities for recreational activities	Eco-tourism, sport fishing and other outdoor recreational activities
Cultural	Providing opportunities for non-commercial uses	Aesthetic, artistic, educational, spiritual, and/or scientific values of ecosystems
Food production	That portion of gross primary production extractable as food	Production of fish, game, crops, nuts, fruits by hunting, gathering, subsistence farming or fishing
Raw materials	That portion of gross primary production extractable as raw materials	The production of lumber, fuel or fodder
Waste treatment	Recovery of mobile nutrients and removal or breakdown of excess or xenic nutrients and compounds	Waste treatment, pollution control, detoxification

*Costanza, R., d' Arge, Ralph, de Groot, Rudolf, Farber, S., Grasso, M., Hannon, B., Limburg, K., Naeem, S., O'Neill, R. V., Paruelo, J., Raskin, R. G., Sutton, P., & van den Belt, M. The value of the world's ecosystem services and natural capital. *Nature* 387, 253 – 258 (1997)

Supplemental Information

State Historic Preservation Office (SHPO) Review Form is mandatory for all projects submitted to the Arizona Water Protection Fund (See pages 25-29). Please complete the form and have signed by an authorized person.

Key Personnel associated with this project must be identified and a Project Coordinator must be designated. Resumes and/or brief biographical sketches describing the relevant qualifications of all key personnel, including subcontractors also must be submitted.

Project Site Photographs for all types of applications must be submitted. Submit at least one set of color photographs of the project area (or color copies) with the electronic and hard copies of your application. Indicate and describe the location of proposed project features on each photo, including compass direction.

Plans for activities such as sampling/monitoring, study/research designs, revegetation efforts, and photographic monitoring must be discussed at a level of detail that will allow AWPF to evaluate whether the activities will be appropriate and adequate. If you receive a grant award, you will be required to submit detailed plans as deliverables. Your application should include a separate task and appropriate budget within the Scope of Work to complete detailed plans and be included on the budget forms. Also, include a description of any equipment related to such efforts to be purchased using AWPF Funds.

Existing Plans/Reports/Information relevant to the project (e.g. Total Maximum Daily Load (TMDL) Reports, Species Recovery Plans, Watershed Assessments, etc.) must be submitted at the time of application for AWPF to consider when evaluating your proposal.

Community Support should be demonstrated in the application. Include signed copies of letters from community organizations and other groups or individuals that support your project. If you are a local government or state agency, you should attach evidence of support from those citizens who lease or hold use-permits for the lands to be impacted by your project. Letters of support for your proposal received after the application deadline will not be considered for evaluation purposes; however, they will be forwarded to the Commission.

Evidence of Control and Tenure of Land must be demonstrated. Applicant must have legal and physical access and authority to manage the area where grant tasks are to be performed. Cooperative agreements with all parties having such access and authority, or letters of support with a plan to obtain cooperative agreements prior to grant award will meet this requirement and must be included.

- **If you own the land on which the proposed project is located**, attach a copy of the appropriate legal document showing title in the name of the applicant, including a legal description of the property.
- **If you manage the land on which the proposed project is located**, attach a copy of the lease, special use permit, intergovernmental agreement or other appropriate official instrument.
- **If you do not own or manage the land on which the proposed project is located**, attach documentation verifying ownership (as noted above) and attach a copy of the permit, agreement or letter of intent that allows you access to the site.

Evidence of physical and legal availability of water must be demonstrated. If water will be used in the project, the water must be physically and legally available to the applicant for the proposed purpose. Provide a projection of the total number of acre-feet per year necessary for the project.

- **If your proposed project uses surface water flows**, attach the appropriate documentation of your surface water right or claim for the intended use at that location.
- **If you do not have a surface water right or claim** for the intended use at that location, attach a copy of the surface water right or claim that you intend to use, as well as a permit, agreement, or letter of intent that allows your use of the water.
- **If your proposed project will require pumping from wells**, submit well registration numbers for existing wells and appropriate groundwater or surface water right documentation. Note: a Notice of Intention to Drill is not evidence of a water right.

Additionally, for all proposed and existing wells, state the following:

- Appropriate depth and borehole diameter
- Pump size
- Estimated depth and length of perforated or screened interval
- Well drilling method, if known (*e.g.*, hand driven well point, auger, mud rotary, etc.)
- Use of water (*e.g.*, water level measurement, water quality monitoring, livestock watering, revegetation)

Well information is available on the Arizona Department of Water Resources web site: <http://www.azwater.gov/AzDWR/WaterManagement/Wells/default.htm>

- **If the proposed project will use effluent**, attach documentation demonstrating the source of the effluent and your authority to use it (*e.g.*, a contract with the wastewater treatment plant or municipal water provider).
- **If the proposed project will use Central Arizona Project (“CAP”) water**, provide documentation demonstrating your authority to use it (*e.g.*, CAP subcontract).

Projects failing to document evidence of control and tenure of land and/or evidence of physical and legal availability of water are ineligible for funding.

ARIZONA WATER PROTECTION FUND GRANT APPLICATION

Electronic Forms

The following pages include examples of electronic forms currently available:

- Application Cover Page
- Arizona Watershed Map
- Project Location and Environmental Contaminant Information
- State Historic Preservation Office Review Form

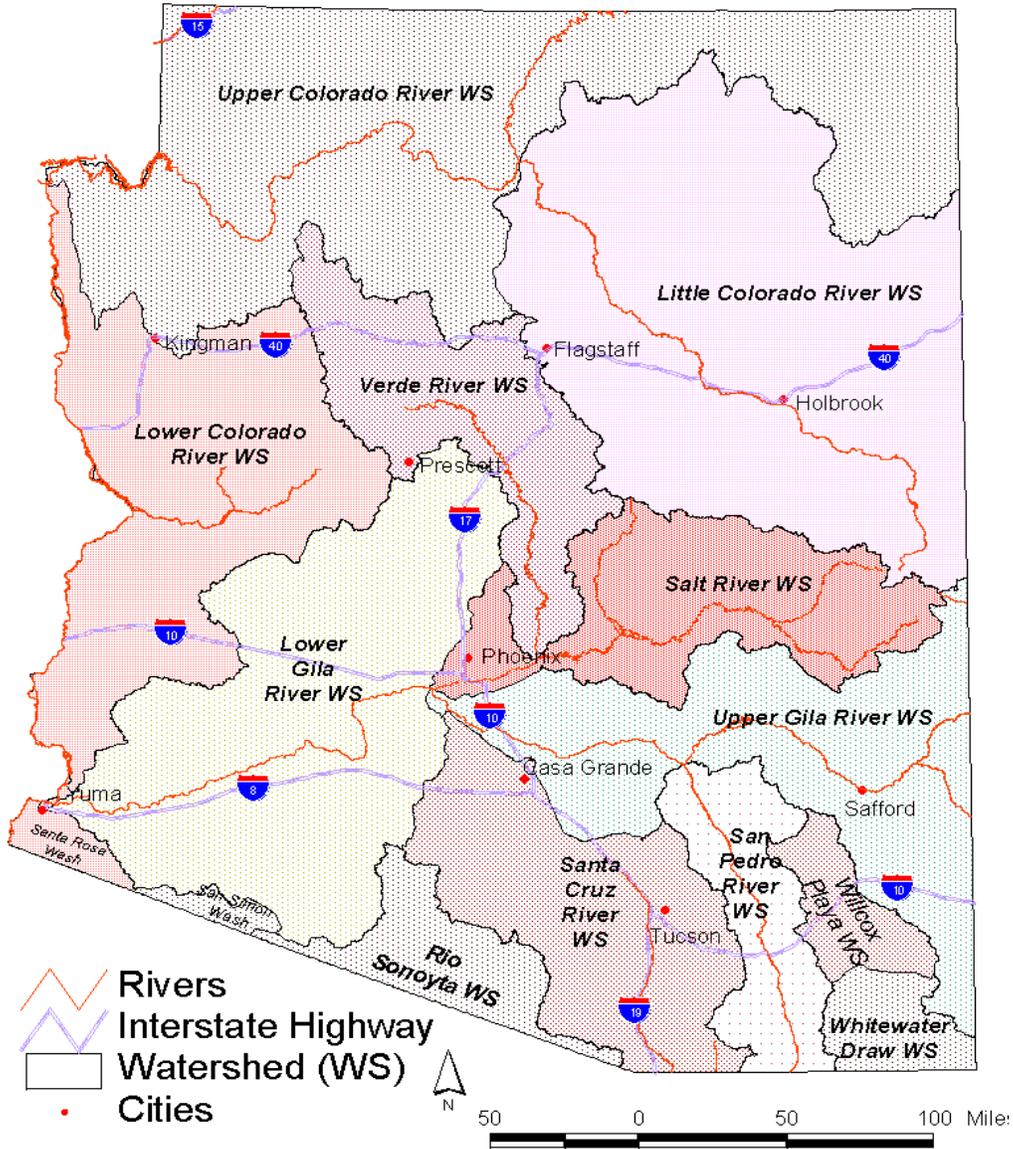
[Electronic forms can be accessed on the AWPf website at www.azwpf.gov.](http://www.azwpf.gov) If you are unable to complete these forms electronically, you may print them and hand-write the requested information.

Please note that these forms do not constitute the entire required application package. All information identified in the Application Content Requirements Overview and Grant Application Instructions must be submitted.

**Arizona Water Protection Fund
Application Cover Page
FY 2020**

Title of Project:											
Type of Project: <input type="checkbox"/> Capital or Other <input type="checkbox"/> Water Conservation <input type="checkbox"/> Research	Stream Type: <input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral										
Your level of commitment to maintenance of project benefits and capital improvements: <input type="checkbox"/> < 5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> 11-15 years <input type="checkbox"/> 16-20 years											
Applicant Information: Name/Organization: Address 1: Address 2: City: State: ZIP Code: Phone: Fax: Tax ID No.:	Inside an AMA: Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, which AMA: <input type="checkbox"/> Phoenix <input type="checkbox"/> Tucson <input type="checkbox"/> Prescott <input type="checkbox"/> Pinal <input type="checkbox"/> Santa Cruz										
Type of Application: <input type="checkbox"/> New <input type="checkbox"/> Continuation											
Contact Person: Name: Title: Phone: Fax: e-mail:	Any Previous AWPB Grants: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please provide Grant #(s):										
Arizona Water Protection Fund Grant Amount Requested: \$ If the application is funded, will the Grantee intend to request an advance: <input type="checkbox"/> Yes <input type="checkbox"/> No	Matching Funds Obtained and Secured: <table style="width: 100%;"><tr><td style="text-align: center;"><u>Applicant/Agency/Organization:</u></td><td style="text-align: center;"><u>Amount (\$):</u></td></tr><tr><td>1. Applicant</td><td></td></tr><tr><td>2.</td><td></td></tr><tr><td>3.</td><td></td></tr><tr><td colspan="2" style="text-align: right;">Total:</td></tr></table>	<u>Applicant/Agency/Organization:</u>	<u>Amount (\$):</u>	1. Applicant		2.		3.		Total:	
<u>Applicant/Agency/Organization:</u>	<u>Amount (\$):</u>										
1. Applicant											
2.											
3.											
Total:											
Has your legal counsel or contracting authority reviewed and accepted the Grant Award Contract General Provisions? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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.											
Typed Name of Applicant or Applicant's Authorized Representative	Title and Telephone Number										
Signature	Date Signed										

Arizona Watershed Map FY 2020



Title of Project: _____

Location (include UTM's & Township/Range/Section): _____

(Must include at least one Section delineation for large scale projects)

Project Location & Environmental Contaminant Information FY 2020

Project Location Information			
1. County: _____	2. Section(s): _____	3. Township: _____	4. Range: _____
<p>5. Watershed: _____</p> <p>6. 8 or 10 Digit Hydrologic Unit Code (HUC): _____</p> <p>7. Name of USGS Topographic Map where project area is located: _____</p> <p>8. State Legislative District: _____ (Information available at: https://azredistricting.org/Maps/Final-Maps/default.asp)</p> <p>9. Land ownership of project area: _____</p> <p>10. Current land use of project area: _____</p> <p>11. Size of project area (in acres): _____ <u>DIRECT</u></p> <p>12. Stream Name: _____</p> <p>13. Length of stream through project area: _____</p> <p>14. Miles of stream benefited: _____ <u>miles</u></p> <p>15. Acres of riparian habitat: _____ <u>acres</u> will be:</p> <div style="margin-left: 40px;"> <input type="checkbox"/> Enhanced <input type="checkbox"/> Maintained <input type="checkbox"/> Restored <input type="checkbox"/> Created </div>			
16. General description and/or delineation for the area of impact of the project within the watershed.			
17. Provide directions to the project site from the nearest city or town. List any special access requirements:			
Environmental Contaminant Location Information			
<p>1. Does your project site contain known environmental contaminants? <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:</p> <p>2. Are there known environmental contaminants in the project vicinity? <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:</p> <p>3. Are you asking for Arizona Water Protection Fund monies to identify whether or not environmental contaminants are present? <input type="checkbox"/> YES <input type="checkbox"/> NO</p>			

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: _____
2. Project Title: _____
3. Applicant Name and Address: _____
4. Current Land Owner/Manager(s): _____
5. Project Location, including Township, Range, Section: _____
6. Total Project Area in Acres (or total miles if trail): _____
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: _____

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: _____

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 UNKNOWN

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.

_____/_____
Applicant Signature /Date Applicant Printed Name

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

**STATE OF ARIZONA
HISTORIC PROPERTY INVENTORY FORM**

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

PROPERTY IDENTIFICATION

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

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

Address: _____

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

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

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

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

USGS 7.5' quadrangle map: _____

ARCHITECT: _____ not determined known Source: _____

BUILDER: _____ not determined known Source: _____

CONSTRUCTION DATE: _____ known estimated Source: _____

STRUCTURAL CONDITION

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

USES/FUNCTIONS

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

Sources: _____

PHOTO INFORMATION

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

<p>Attach a recent photograph of property in this space. Additional photographs may be appended.</p>
--

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: _____

DRAFT

ARIZONA WATER PROTECTION FUND
Full Grant Application Check List

- Cover Page*
- Executive Summary
- Project Overview
- Project Location & Environmental Contaminant Form*
- Scope of Work
- Budget
- Matching Funds Breakdown (if applicable)
- Maps & Schematics
- Supplemental Information (State Historic Preservation Office Review*,
Watershed/Location Map*, etc.)

*Indicates electronic form available

APPENDIX A

Grant Award Contract General Provisions

1. DEFINITIONS:

As used throughout this Contract, including the General Provisions, Special Provisions, and the Scope of Work, the following terms have the meaning set forth below:

- a. "Administrative Cost" means those costs that are traditionally termed indirect and overhead.
- b. "Agreement" or "Contract" means this Arizona Water Protection Fund Grant Award Contract between the Commission and Grantee.
- c. "Arizona Water Protection Fund" means the fund established by A.R.S. § 45-2111 and consisting of monies as set forth in A.R.S. § 45-2112.
- d. "Chair" means the chairperson of the Arizona Water Protection Fund Commission or a person duly authorized by the Chair to act on the Chair's behalf.
- e. "Commission" means the Arizona Water Protection Fund Commission or its authorized representative.
- f. "Deliverables" means the reports, documentation, and other materials developed for submission to the Project Manager by the Grantee in the course of the Grantee's performance under this Contract.
- g. "Equipment" means one or more tools, implements, computers, computer hardware, computer software, cameras, camera accessories, vehicles, or instruments purchased or leased with Grant funds pursuant to either this Contract or a prior Contract between the Commission and the Grantee that is intended to be used to carry out the purposes of this Contract.
- h. "Grantee" means the person, firm, or organization performing the work or delivering the items described in this Contract.
- i. "Grant Application" means the application filed by the Grantee upon which this Contract was awarded.
- j. "Grant Award Contract" means this Contract between the Grantee and the Commission.
- k. "Operation and Maintenance Period" means the period of time during which grant-assisted structures, human access or educational facilities, revegetation sites, and any other grant-assisted improvements will be operated and maintained.
- l. "Project" means the total of all work to be performed by the Grantee as set forth in this Contract.
- m. "Project Manager" means the Arizona Department of Water Resources technical Staff person delegated by the Chair to administer this Contract.

- n. "Scope of Work" means that part of this Contract that describes the work to be performed by the Grantee to accomplish the Project purpose. If the Scope of Work conflicts with the General or Special Provisions, the terms of the Scope of Work will govern.
- o. "Special Provisions" means those provisions of this Contract that alter or augment the General Provisions. If the Special Provisions conflict with the General Provisions, the Special Provisions will govern.
- p. "Staff" means the technical, legal, and administrative staff, including the Project Manager, provided to the Commission by the Director of the Arizona Department of Water Resources pursuant to A.R.S. § 45-2114.
- q. "State" means the State of Arizona, including the Department of Water Resources.
- r. "Task" means the specific provisions in the Scope of Work of this Contract that describe the nature and manner of the specific work to be performed and the Deliverables to be submitted to the Project Manager by the Grantee.

2. GENERAL REQUIREMENTS:

- a. This Contract is interpreted in accordance with Arizona law.
- b. The Grantee must obtain and maintain all licenses, permits, and authorizations necessary to perform its obligations under this Contract. The Grantee is responsible for compliance with all applicable local, state, and federal laws.
- c. In this Contract, Special Provisions alter the General Provisions. If the Special Provisions conflict with the General Provisions, the Special Provisions will govern. If the Scope of Work conflicts with either the Special or General Provisions, the Scope of Work will govern.

3. RELATIONSHIP OF THE PARTIES:

The parties agree that the Grantee will not be considered an employee, associate, partner, officer, joint venturer, or agent of the Commission or the State as a result of this Contract. The Grantee is solely responsible for the planning, design, scope, and implementation of the Project funded through this Contract. Neither the Commission nor the State is responsible for any liabilities resulting from the Grantee's planning, design, scope and implementation or performance of the Project funded through this Contract.

4. BOOKS AND RECORDS:

The Grantee must keep adequate books, accounts, files, and records related to work performed and expenditures incurred for a period of five (5) years after the termination of this Contract. Such books, accounts, files, and records must be made available for inspection by the Commission, Staff, or other appropriate agents of the State upon timely written notice. Financial records must: (1) identify the Tasks completed; (2) include records of the time the Grantee spent performing the Tasks; and (3) include

original copies of invoices, statements, sales tickets, billings for work, and similar documents as necessary to document all expenditures applicable to this Contract.

5. INSPECTION AND AUDIT:

Commission representatives and other appropriate agents of the State must, during the term of this Contract, be entitled to review and inspect the Grantee's Project site and data which pertain to the work specified in the Scope of Work. Timely written notice must be provided prior to any inspection. The right to inspect includes review of operation and maintenance of the Project site and performance of field analyses and data collection to assess the degree of success of the Project.

All data collected and maintained pursuant to the requirements of this Contract is subject to examination on the request of the Auditor General in accordance with A.R.S. § 41-1279.

6. INDEMNIFICATION:

The parties to this Contract agree that the Grantee must indemnify, defend, and hold harmless the Commission and the State, including the Department of Water Resources, for all claims which result in vicarious/derivative liability of the State as a result of the act, omission, misconduct, or other fault of the Grantee, its agents, officials or employees.

7. RESOLUTION OF DIFFERENCES:

- a. Disputes arising during the performance of this Contract will be resolved to the maximum extent possible through cooperation and coordination of the Grantee and Staff. If the Grantee and Staff are unable to resolve the differences or circumstances require an immediate decision, the Project Manager will refer the conflict to the Commission for resolution.
- b. Disputes arising out of this Contract are subject to arbitration to the extent required by A.R.S. § 12-133 and § 12-1518.
- c. Disputes arising out of this Contract are subject to the jurisdiction of the Superior Court of the State of Arizona.

8. STOP WORK NOTICE:

In the event of unapproved changes in the Scope of Work, performance or changes outside the scope of the Contract, illegal or unpermitted activities, or other material discrepancies between the Contract and the Grantee's activities, the Commission reserves the right to issue notice to the Grantee to stop work. The notice will further specify that the Commission will not approve resumption of performance or further payments until the issue or issues identified in the stop work notice have been resolved to the satisfaction of the Commission.

9. TERMINATION OF CONTRACT:

- a. The Commission, in addition to other rights set forth elsewhere in this Contract, reserves the right to terminate this Contract in whole or in part, without cause, effective thirty (30) calendar days after receipt of written notice of termination sent by certified mail to the Grantee.

The Commission, in addition to other rights set forth elsewhere in this Contract, reserves the right to terminate this Contract in whole or in part, for cause, effective upon receipt of written notice of termination sent by certified mail to the Grantee.

In the event of termination as provided in Paragraph 9 (a):

- 1) The Grantee must stop work as specified in the notice of termination.
 - 2) If the payments prescribed by this Contract are made on a reimbursable basis, the Commission must pay the Grantee the allowable cost for all Tasks completed in accordance with the Scope of Work as approved by the Project Manager. In addition, the Commission must pay the Grantee its reasonable, actual costs, not to exceed the allowable costs established in the Scope of Work, for work in progress as determined by generally accepted accounting principles and practices.
 - 3) If payments have been made on an advance basis, the Grantee must return all unexpended Grant funds within fifteen (15) calendar days of receipt of notice of termination. The Grantee, at the Commission's request, must deliver to Staff specified completed documents, programs, data, and other information described in the Contract.
- b. The State may cancel this Contract without penalty or further obligation pursuant to A.R.S. § 38-511, which provides for cancellations of any contract made by the State, its political subdivisions, or any of the departments or agencies of either if any persons significantly involved in initiating, negotiating, securing, drafting, or creating the contract on behalf of the State, its political subdivisions or any of the departments or agencies of either is, at any time while the contract or any extension of the contract is in effect, an employee or agent of any other party to the contract or a consultant to any other party to the contract with respect to the subject matter of the contract.
- c. In the event of cancellation under Paragraph 9 (b) of this Contract, or if the term of the Contract expires, the Grantee will receive payment as established in Paragraph 9 (a) (2) and (3) of this Contract.
- d. In the event that the parties mutually agree to terminate a portion of the Contract, the Grantee must continue to perform work under this Contract to the extent not terminated under the provisions of this Paragraph.

10. NON-DISCRIMINATION:

The Grantee must comply with Arizona State Executive Order Numbers 03-22 and 99-4 and all other applicable federal and state laws, rules and regulations, including the Americans with Disabilities Act.

11. EXPENDITURES AND PAYMENTS:

- a. Payments made by the Commission to the Grantee pursuant to the Contract are conditioned upon the availability to the Commission of funds authorized for expenditure in the manner and for the purpose provided herein. The Commission is not liable for any purchases or work entered into by the Grantee prior to the effective date of this Contract.
- b.
 - 1) Fixed cost and reimbursable payments are conditioned upon receipt and approval by the Project Manager of the Deliverable(s) specified in the Scope of Work and an applicable, accurate, and complete payment request prepared by the Grantee.
 - 2) The Project Manager will have a minimum of thirty (30) working days to approve the Deliverable(s) and payment request forms.
 - 3) If the Project Manager does not approve the Deliverable(s) or payment request, the Project Manager will provide a reasonable time to the Grantee to correct the problem.
- c. If the Project Manager determines that the Grantee is in default in the performance of any obligation under this Contract, the Project Manager may, at its option and in addition to other available remedies, either adjust the amount of payment or withhold payment until satisfactory resolution of the default.

12. ADMINISTRATIVE COSTS:

The Grantee may request reimbursement for Administrative Costs at a rate not to exceed five (5) percent of the total Project costs incurred that are eligible for payment under this Contract.

13. RECOUPMENT OF PAYMENTS:

The Grantee must reimburse the Arizona Water Protection Fund for all grant funds determined by the Commission not to have been spent in accordance with the terms of this Contract.

14. NOTICES:

Whenever notice is required pursuant to this Contract, such notice must be in writing and be directed to the persons and addresses specified for such purpose in the Scope of Work, or to such other persons and addresses as either party may designate to the other party in writing. Unless otherwise set forth in this Contract, notice must be delivered in person or by certified mail, return receipt requested.

15. AMENDMENTS:

The commission generally does not allow significant changes in the scope of work from what is agreed to in the contract. If an applicant requests a significant change in the project scope of work, the commission's general policy is that the grantee will be required to withdrawal from the grant. Minor changes to the budget, scope or timeline of the contract can be accommodated with a contract amendment approved by the commission. All amendment requests must be submitted in writing to the commission and those requiring a change in timeline should be submitted at least 45 days prior to existing contracted

dates. Multiple (in excess of 2) amendments are discouraged by the commission. No amendments to this Contract will be effective unless in writing and signed by all parties to the Contract.

16. SUBCONTRACTS:

- a. Subcontractors or consultants may be used in the performance of Tasks described in the Scope of Work of this Contract.
- b. Proposals to subcontract any Task described in this Contract must be approved by the Project Manager. Any subcontract must be submitted to the Project Manager for approval prior to execution by the Grantee. A copy of any executed subcontract must be submitted to the Project Manager prior to commencement of the subcontracted work.
- c. Any subcontractor or consultant participating in this Contract must comply with the terms and conditions of this Contract, as set forth in the General Provisions, Special Provisions, and Scope of Work.

17. ASSIGNMENTS:

- a. The Grantee may not transfer or assign in whole or in part, any obligations under the General or Special Provisions of this Contract to another party without prior written approval of the Commission.
- b. In the event that the Grantee transfers control or access to the Project site location through sale, lease, or other alienation of title during the term of this Contract or the Operation and Maintenance Period:
 - 1) The Grantee retains all duties and responsibilities assumed under this Contract unless otherwise approved by the Commission.
 - 2) The Grantee must provide written notice to the Commission within 30 days of such action.

18. WAIVERS:

- a. Neither the Grantee nor the Commission may waive or modify any condition or requirement contained in or made a part of this Contract without a written amendment to this Contract.
- b. A waiver by the Commission of any breach or default of any of the provisions of this Contract will not be construed as a waiver of any succeeding breach or default of the same or other provisions.

19. INCORPORATION OF GRANT APPLICATION:

The Grantee's approved Grant Application is incorporated by reference as part of this Contract; however, the terms of this Contract take precedence over the terms of the approved Grant Application in the event of conflict or ambiguity.

20. OPERATION AND MAINTENANCE:

- a. The Operation and Maintenance Period is for 20 years unless otherwise specified in the Special Provisions.
- b. The Operation and Maintenance Period for each individual grant-assisted structure, human access or educational facility, revegetation site, or any other grant-assisted improvement will begin upon the approval by the Project Manager of the designated Deliverables identified in the Scope of Work.
- c. During the Operation and Maintenance Period, the Grantee must, in good faith, provide operation and maintenance of all grant-assisted structures, human access or educational facilities, revegetation sites, and any other grant-assisted improvements.
- d. During the term of this Contract and the Operation and Maintenance Period, the Grantee must provide reasonable protection from vandalism to the Project site and to any grant-assisted structural, revegetation, or other improvements thereon.
- e. If, during the term of this Contract or the Operation and Maintenance Period, a major flood, fire, or other unforeseen act of nature causes substantial damage to the Project site, or to any grant-assisted structure, revegetation, or other improvements, the Grantee must notify the Project Manager in writing within fifteen (15) calendar days of discovering the damage. The parties will assess the damage and determine whether to continue the Project and/or operation and maintenance responsibilities.

21. EQUIPMENT:

- a. The Grantee may not purchase any Equipment without the prior approval of the Project Manager. In addition, the Grantee may not purchase any Equipment with a value equal to or greater than \$3,000 without the prior approval of the Commission.
- b. Equipment is the property of the Grantee, and the Grantee is responsible for maintenance and safekeeping of such Equipment.
- c. Equipment may be used only for the purposes of this Contract.
- d. If Equipment purchased pursuant to this Contract or a prior Contract between the Commission and the Grantee has a remaining useful life after termination of this Contract, the Grantee must continue to use the Equipment for work in any subsequent Arizona Water Protection Fund Contracts as appropriate.
- e. The Grantee may not execute a lease of Equipment without the prior approval of either the Commission or the Project Manager.

22. DATA:

- a. All data, information, research, reports, and analyses prepared or collected by the Grantee in carrying out the terms of this Contract is owned by the parties to this Contract.

- b. Unless otherwise provided in this Contract, all data, information, research, reports, and analyses prepared or collected by the Grantee in carrying out the terms of this Contract must be provided to the Commission as specified in the Scope of Work of this Grant Award Contract.
- c. All Deliverables, including data, information, research, reports, and analyses submitted to the Commission are public records generated for the benefit of the citizens of the State, and may be copied, published, and disseminated to any person upon proper request.

23. REQUEST FOR COPIES:

If the Grantee receives a request to prepare a copy of any Deliverable required by this Contract, the Grantee must provide the copy at cost, or at a price required by law.

24. GRANTEE'S REPRESENTATIONS AND WARRANTIES:

All representations and warranties made by the Grantee under this Contract, including but not limited to those representations made in Paragraph 20 and in the Grant Application, survive the expiration or termination of this Contract. In addition, the parties acknowledge that pursuant to A.R.S. § 12-510, except as provided in A.R.S. § 12-529, the State is not subject to or barred by any limitations of actions prescribed in A.R.S., Title 12, Ch. 5.