Arizona's Nonpoint Source Clean Water Act 319(h) Projects from 2014 to the present

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State	Program	Award Fiscal Year	Grant Number	Project Number	State Project Number	Project Title	Appropriation Year	Total 319h Funds	Total Budget	Project Start Date	Project End Date	Overview	Primary Subgrantee
AZ	C9	2014	98961314	01	15-001	Sands Ranch Brush Eradication	2014	$86,163	$155,365	11/03/2014	12/31/2015	Overview The Sands Ranch project will remove brush on 2069 acres in Tombstone, AZ. A chemcial spray will be applied by helicopter that will kill the brush and restore the area back to the grasses that that it once was. This will reduce the runoff, E.coli transportation and improve water quality on the sands ranch and in the San Pedro River. Objectives To remove Whitethorn, Creosote, Acacia, and Tarbrush that have moved into the region and gradually replaced historic grassland. The intension is to bring back the grassess and also provide alternative water and fencing to better rotation of cattle. Methods The areal application of Spike 20 will be used for long term brush removal and is a listed BMP. The area will be ready for regrowth of grasses.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	02	15-002	Three Brothers Ranch	2014	$48,661	$73,206	11/21/2014	12/31/2016	Overview This project will be applying Spike 20 Chemical Spray to remove Creosote, Whitethorn, and tarbrush on the ranch property in order to let historic grasses to grow back and thus provide more stability to top soil and reduce sediment to the San Pedro River which is imapired for E. Coli. The project will also clear 2 dirt tanks and install fence line for better cattle rotation. Objectives Long-term removal of desert brush that has encroached the area and replace it with grasses. Methods Areal application for Spike 20 chemcial spray to kill the brush. Grasses will regrow naturtally. The grantee will also clear out 2 dirt tanks for a more reliable supply of water for cattle and allow for a grazing management plan.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	03	15-004	Settlers Rest Stormwater Pilot Project	2014	$120,040	$269,686	10/27/2014	01/31/2016	Overview This pilot project introduces green infrastructure BMPs to the residences of Settlers Rest in Sedona, AZ. Small residental scare BMPs will be installed by residence and Oak Creek Watershed Council to slow down the water velocity and reduce sediment and E. Coli sources from entering Carroll Canyon and then to Oak Creek. Objectives Reduce sediment and E.Coli from the Sedona residential area of Settlers Rest. The secondary objective is to teach and encourage proiperty owners in Sedona to make Green Infractructure changes on their own. Methods Two community workshops held to teach people how to install BMPs that slow down water flows and to help install some on neighbors property that have been idenified as contributing to E. Coli to the Oak Creek.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	04	15-005	Upper Little Colorado River Project	2014	$322,822	$538,037	11/10/2014	05/31/2017	Overview The Apache NRCD will engage lanowners, in the 4 subwatersheds located in the Upper Little Colorado Watershed to implement conservation practices on their property to reduce sediment and nutrients to the Little Colorado River Watershed Objectives Outreach to landowners in the Coyote Creek, Nutrioso, Canero, and South Folk of the Little Colorado River to solicit participation from ranchers to come up with BMP projects to mitigate erosion. Methods An independent contractor put together a list of projects with engineering designs, costs, and potential sediment reduction. ADEQ ranked the projecys and will go forward with the top projects that will fit within the awarded funds.	APACHE RESOURCE CONSERVATION SERVICE
AZ	C9	2014	98961314	05	16-001	Curtis Ranch Brush Eradication Plan	2014	$37,740	$62,900	05/21/2015	06/30/2016	Overview The project will apply aerial application of Spike 20 to kill creosote, acacia, and whitethorn. Objectives Increased grasses will take the place of the brush. The grasses will slow water runoff increase infiltration, and reduce soil erosion. The grasses will allow for better managed cattle rotation and grazing practices . Methods Aerial application of Spike 20 over 1000 acres of the curtis ranch property.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	06	16-003	Oak Creek Watershed Recreation Education and Awareness	2014	$275,000	$275,000	06/05/2015	08/31/2016	Overview Projects will demonstrate a boots-on-the-ground approach to stewardship for watershed visitors and residents who recreate in Sedona, AZ and the Oak Creek Watershed. Objectives A group of people will be hired (the Ambassadors) who will train with the USFS and then talk with visitors about recreating responsibly. The Ambassadors will also pick up trash and sample water quality at approved water quality sampling sites. Methods (Two) 4 team ambassadors wil train with the USFS and in other areas as sampling protocol and wilderness safety. They will visit and document visitor interaction and the amount and type of trash they pick up. A watershed -area terrain model will also be iused for educating people.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	07	EV15-0004	Prescott Rodeo Grounds	2014	$60,000	$100,000	06/23/2015	06/30/2016	Overview The Prescott Rodeo Grounds is a 34.61 acre site owned by the City of Prescott and leased to the non-profit, Prescott Frontier Days. It is home to the worldest oldest rodeo event in July. The grounds drain to the Miller Creek which is listed impaired for E. Coli Miller Creek also drains to Granite Creek which is imapired for E. Coli and Dissolved Oxygen. Objectives Grant funds will be used to design and construct a series of sediment and runoff control basins to reduce the discharge from the Grounds to the Creek. Methods Bio-retention basins will be implemented along the perimeters of the Rodeo Grounds. A manure exchange program will also be started to reduce the manure piles at the Grounds/	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	08	EV15-0005	ADEQ/AZ Game and Fish Watershed Restoration and Protection Partnership	2014	$587,000	$978,333	06/25/2015	05/31/2019	Overview Partnership between ADEQ and AZ Game and Fish Department. To fund projects that restore water quality grass and rangeleand health, and wildlife habitats in appoved areas by both agencies. The projects will be implemented in ADEQ Targeted Watersheds. Objectives Fund on-the-ground projects to improve water quality, livestock production, fish and wildlife habitate, plant conditions and arrest soil erosion. Methods Priority will be given to projects that address water quality impairements. A subcontractor will be hired to complete the tasks.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	09	16-002	Sands Ranch Headquarters Brush Eradication and Water Development	2014	$22,316	$22,316			OK- Project information is located on other grant funding page, under parent project tab.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2014	98961314	10	EV14-0002	Hillside Mine	2014	$127,000	$127,000				AZ STATE RISK MANAGEMENT::::
AZ	C9	2014	98961314	11	20-002 (EV18-0001)	Sierra Ancha Trails Erosion Control and Drainage Improvement Project	2014	$35,853	$35,853	10/12/2017	10/31/2019	The extensive trail system within the Sierra Ancha Mountains on the Tonto National Forest is at significant risk of erosion due to the 30,000-acre Juniper Fire that burned the area in 2016. This project will reduce sedimentation and minimize E. coli concentrations in tributaries of the Salt River and Roosevelt Reservoir helping to preserve ADEQ attainment status for these contaminants. In total, 46 miles of trails will be restored using best management practices for trail erosion.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	01	18-007 (EV18-0002)	Running N Bar Erosion Control	2015	$2,625	$2,625	06/29/2016	04/06/2018	Overview Better rotational grazing to improve soil coverage and reduce E. coli from the San Pedro River. Provide water to cattle in areas that there is no water source and provide water for wildlife. Objectives To reduce the erosion in cattle pasture land and prevent the soil from washing into the San Pedro. Methods Installation of well, solar pump, 8,000 ft of 1 and 1/2 pipeline, 5 water troughs, 2- 8,000 gallon storage tanks. Arial spay of 640 acres with spike 20 herbicide.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	02	18-001	Horseshoe Draw - E. coli Reduction to the San Pedro	2015	$330,920	$1,115,706	06/29/2016	09/30/2017	Overview Horseshow Draw watershed is a primary rangeland that begins in Mexico, south of Naco, AZ and drains north to the San Pedro River. The watershed contributes a significant amount of sediment, a transporter of E. coli, to the San Pedro. Objectives The objective of the project is to construct a stormwater retention dam and sediment pool to slow runoff from the watershed and trap sediment that transports E. coli to the San Pedro River. Methods Water and Sediment Control Basin and spillway. Range improvement practices	GRANITE CONSTRUCTION
AZ	C9	2015	98961316	03	18-002	San Francisco and Blue Rivers E. coli Reduction	2015	$109,462	$192,949	06/10/2016	06/30/2020	Overview The Gila Watershed Partnership is focusing their efforts on improving the uplands surrounding the San Francisco and Blue Rivers to reduce runoff and sediment contributions that can spike E. coli pathogens. As sediment moves across the uplands, it picks up E.coli and enteric pathogens from wildlife, cattle, and humans and then deposits these microbes into the rivers. Objectives Reduce sediment contributions to the San Francisco and Blue Rivers. Methods Outreach and education to the residents of and visitors to the rivers in Clifton, AZ. Water quality monitoring, water and sediment control structures, native plant community plantings in determined restoration areas.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	04	18-003	Slaughterhouse Gulch Channel Restoration	2015	$5,339	$8,903	06/23/2016	10/31/2016	Overview- PROJECT CANCELLED This project focuses on continuing the implementation of Upper Granite Creek Watershed Improvement Plan. Channel restoration and enhancement will be implemented in the Slaughterhouse Gulch just upstream from its confluence with impaired Granite Creek on the Yavapai - Prescott Indian Tribe. Objectives Improve Slaughterhouse Gulch stream channel that runs just upstream of the confluence of Granite Creek on the Yavapai- Prescott Tribal Land to reduce E.coli, sediment, and nutrients to Granite Creek which is impaired for E. coli. Methods BMP Wetland Protection by cattle fencing to improve water quality and correct degraded conditions caused by urbanization, road building, and historic gravel mining. Channel Restoration through bank stabilization and revegetation.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	05	18-004	Sheet Erosion and E. coli Mitigation at Sands Ranch	2015	$132,250	$178,730	06/13/2016	11/30/2018	Overview Two years of work completed through ADEQ grants have been completed on the Sands Ranch. Borderlands contractor will continue restoration work through rock check dams, water spreading and Wildlife Habitat Management. Objectives To install may rock structures that are easy to install across the uplands of the watershed to stabilize eroding rangelands and prevent E. coli from entering the San Pedro River. Methods Land survey and develop engineering plans for placement of many rock check dams. Borderlands will be working with the landowners in the watershed to be involved with rock work.	BORDERLANDS
AZ	C9	2015	98961316	06	18-005 (EV16-0002)	Oak Creek Erosion Control Project - Schnebly Hill Road	2015	$50,000	$183,190	06/10/2016	12/31/2017	Overview This project will reduce E. coli and sedimentation in Oak Creek. This will be accomplished through improving drainage off of a well-traveled 5 mile dirt road tourist companies use in Sedona, AZ. Objectives The project will trap sediment and E.coli that is swept to Oak Creek after rain events. Methods BMPs - repair and or replace culverts. Culvert gradients and angle toward the river will be adjusted. Water bars will be added to drain standing water from the road.	NATIONAL FOREST FOUNDATION
AZ	C9	2015	98961316	07	18-006	Babocomari Sediment Reduction and Riparian Restoration	2015	$126,337	$224,628	06/13/2016	05/31/2018	Overview Reduce erosion and sediment transport, increase channel stability and water retention, and promote vegetation and wildlife habitat in tributary drainages of the Babocomari River. Objectives Protecting sheet flow and reducing the velocity of storm water as it crosses the landscape and enters drainages. The reduction reduction in sediment and runoff will assist the retention of fecal matter in the uplands and reduce loads into the stream channel. Methods Many one rock check dams, Zuni bowls, and Media Luna structures.	BORDERLANDS RESTORATION L3C
AZ	C9	2015	98961316	08	20-008 (EV18-0001)	Knight Ranch Sediment Basin Rehabilitation	2015	$157,042	$282,367			The goal of this project is to rehabilitate 4 water and sediment control basins that have far exceeded their service life. These basins are in need of spillways to properly pass flood flows. The tributaries here drain directly into Coyote Creek, which is a known contributor of excessive sediment to the impaired Little Colorado River.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	09	117-1303136	Poland Walker Tunnel Remediation	2015	$6,043	$6,043	09/18/2020	12/31/2021	Joint project with USFS to remedy stormwater discharges from site near Prescott, AZ. Revised engineering due by the end of September.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	10	117-1303123	Storm Cloud Mine Remediation	2015	$29,930	$29,930	10/01/2020	12/24/2020	Exposed waste rock and a discharging adit have been observed to be interacting with surface water during rainfall events. Exposed waste rock in unlined drainage channel allows for surface water interaction with waste material. Shallow groundwater has also contributed to seeps observed to flow into the active channel.	TETRA TECH::::
AZ	C9	2015	98961316	11	20-004 (EV18-0001)	Sediment Discharge Reduction Through Brush Management in Altar Valley	2015	$8,200	$8,200	10/12/2017	12/31/2020	Mesquite encroachment in the Altar Valley, 30 miles southwest of Tucson, has reduced historic grasslands and vegetation cover, causing increased erosion, soil loss, and high rates of sediment pollution downstream. The Altar Valley Conservation Alliance (AVCA) is proposing the use of the aerially applied herbicide, Sendero Plus Premix, to reduce mesquite densities on 2,000 acres of rangeland to promote the return of desert grassland, improve soil conservation, and reduce sediment discharge.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	12	20-006 (EV18-0001)	Buckhorn Water Enhancement	2015	$35,052	$58,420	11/16/2017	10/31/2019	The purpose of these projects is to improve watershed condition by improving infiltration of runoff thereby increasing ground water recharge and reducing sediment runoff by improving vegetative ground cover through improved grazing distribution by both domestic animals and wildlife. Location is Lower West Clear Creek and Wickiup Creek 6th code Verde watershed. Shared goals - improved watershed condition; pool resources between permittee, Forest Service, AZ Game & Fish and other potential partners; stabilize head-cuts, using one rock structures, brush control and using limbs in channels, re-direct water flows; repair stock tanks and associated ditches; construct trick tanks for reliable water sources; juniper and mesquite reduction as part of improving grasslands and water flows to stock tanks; improve vigor of native perennial grasses and increase number of perenial grass species; go back to Buckhorn EA and utilize forage at the conservative use level of 30 to 40%; seeding native grasses; change type of grazing animal that uses pastures, like bulls, dry cows, yearlings; provide reliable water sources for wildlife as well.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	13	20-005 (EV18-0001)	Carroll Canyon Erosion Control to Protect Oak Creek	2015	$2,597	$2,947			Carroll Canyon Wash has serious erosion problems. OCWC proposes an erosion control project to prevent E.coli-laden sediment from entering Oak Creek. Based on an engineering assessment and design, erosion will be halted by conservation crews installing one rock dams, media lunas, Zuni bowls and other low impact BMP structures. Eight miles of social trails and abandoned trails in the Sedona area will be treated. Groups of volunteers will plant native seeds, mulch, and cover trails with brush.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	14	EV19-0010	Santa Margarita and BANWR Brush Management	2015	$109,176	$179,052			The Santa Margarita project includes mechanically grubbing mesquite and piling carcassess on 389 acres of former grassland adjancent to a previously treated mesquite trees project	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	15	EV11-0010	Arizona Master Watershed Stewards (MWS) Educational Outreach and Technical Support Program Continuation (2010-2012)	2015	$105,272	$111,948	07/01/2010	05/31/2020	Overview Arizona Cooperative Extension at the University of Arizona (UA) and Arizona Department of Environmental Quality (ADEQ) began the Arizona Nonpoint Education for Municipal Officials (NEMO) Program and the Master Watershed Steward (MWS) Program in the fall of 2002. Following on the educational outreach activities initiated in 2003, both NEMO and MWS have built the foundation of successful programs. Working with community watershed partnerships across the state and Extension County offices, both MWS and the NEMO program has contributed to watershed group capacity building in providing educational outreach material, curriculum development, training workshops, web site development, watershed-based planning documents, and support for grant applications under the CWA 319 program administered by ADEQ. Objectives This funding request of $210,588 is to fund the MWS Program from July 1, 2010 to June 30, 2012 (two years). To more specifically address the water quality impairment issues identified by ADEQ in the Arizona Integrated 305(b) and 303(d) Listing Reports, ADEQ solicited proposals for Targeted Watershed Improvement Grants in 2009, focusing on three priority Arizona Watersheds classified as "impaired" for the fecal indicator bacteria E.coli, as well as other water quality constituents. These watersheds included the San Francisco (tributary to the Gila River); and, Granite Creek and Oak Creek (both tributaries to the Verde River). Three additional watersheds were added to the Targeted Watershed Improvement Grant program in 2010, including the Middle San Pedro; the Headwaters of the Little Colorado; and, Tonto Creek (tributary to the Salt River). To support these targeted watershed groups, MWS has been leveraged to develop smaller-scale, more refined products that address the specific impairment issues in each watershed. In supporting the first round of targeted grantees, it has become apparent that better defined educational needs and initial communication before the watershed groups start their planning work will help ensure better delivery and coordination of outreach programs and products between ADEQ, the University of Arizona and the watershed groups. Methods Coordination with Targeted Watershed Grantees to provide support for education adn outreach efforts including MWS courses, workshops, presentations, outreach planning, and education/outreach materials.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	16	Project 117-1303110	McKinley Mill Mine Remediation	2015	$29,930	$29,930	09/01/2020	01/01/2021	The Wetland Mine, historically known as the McKinley Mill, is located in the Upper Hassayampa River amongst the Potato Patch community. Exposed waste rock and tailings extend up to the active channel. Perennial flows, along with high flows, promote undercutting of the waste material. Additionally, steep angles along the face promote fast flows with higher erosion capacity. There is a TMDL (Hassayampa River TMDL) - Headwaters to Copper Creek	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2015	98961316	17	17-001	Little Colorado River Projects	2015	$0	$0	04/07/2016	06/30/2018	Overview The are 4 landowners located in the Little Colorado River watershed. The land encompasses many acres. BMPs are similar on each of the properties. BMPs ranch from stream bank stabilization, bank sloping, Livestock drinkers, brush management,fencing, and reseeding. Objectives To work with as many landowners in the watershed to reduce erosion and E. Coli that impact the Little Colorado River. Methods On-the-ground BMPs described above.	APACHE NATURAL RESOURCE DISTRICT
AZ	C9	2015	98961316	18	EV14-066131	Support for Volunteer Water Quality Monitoring	2015	$0	$0	03/13/2014	06/30/2018	Overview This project will provide funds to support volunteer monitoring in the targeted Santa Cruz Watershed as well as maintain relationships with the people living in the area. Objectives Assist citizens with water quality monitoring in the Santa Cruz watershed to gather and input the results into a database. Methods U of A staff will purchase sample collection kits and other monitoring equipment to train volunteers to monitoring nonpoint source pollution in areas of concern in the Santa Cruz Watershed.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	01	19-003 (EV17-0001)	Wetland Restoration on O'Donnell Ranch, Santa Cruz, Co	2016	$61,687	$95,667	04/26/2017	10/31/2019	This project seeks funding to restore the degraded wetlands and adjacent floodplain and uplands along O'Donnell Creek, a tributary to the Babocomari River, in order to improve the natural filtering capacity of wetlands for the pollutants E. coli and sediment originating from active pastures.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	02	19-002 (EV17-0001)	Menges Solar Well Project	2016	$39,112	$77,817	05/15/2017	04/30/2019	This project addresses our BLM grazing allotments in the San Francisco and Upper Gila Watersheds. Our current outdated diesel pumps are very difficult to maintain due to their remote locations. Replacing the primary source of waters with solar-powered pumps will create a more sustainable system, reducing the chance of cattle entering riparian areas	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	03	20-003 (EV18-0001)	Youth-led Erosion and E.coli Mitigation in Nogales Wash and Santa Cruz Watersheds	2016	$135,000	$226,119	09/29/2017	12/31/2019	Borderlands Restoration's youth program will work in Nogales, AZ to implement restoration techniques to mitigate E. coli in Nogales Wash and Upper Santa Cruz Watersheds. Crews will be working in Smith Canyon with private landowners and USFS. The youth working on this project attend the schools in the area and will increase their engaeement with the health of their environment.	BORDERLANDS RESTORATION L3C
AZ	C9	2016	98961317	04	20-001 (EV18-0001)	Miller Creek Bathroom	2016	$126,641	$204,196	09/29/2017	10/31/2020	Miller Creek is an EPA listed impaired waterway with documented exceedances for its E. coli standard. Microbial source tracking has indicated that fecal bacteria of human origin were present in Miller Creek. For this project, we will install a public restroom on private property adjacent to Miller Creek and public trails to reduce human waste entering the waterway. Education and monitoring will enhance the effectiveness of this management action and demonstrate a water quality improvement.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	05	20-002 (EV18-0001)	Sierra Ancha Trails Erosion Control and Drainage Improvement Project	2016	$84,147	$171,147	10/12/2017	10/31/2019	The extensive trail system within the Sierra Ancha Mountains on the Tonto National Forest is at significant risk of erosion due to the 30,000-acre Juniper Fire that burned the area in 2016. This project will reduce sedimentation and minimize E. coli concentrations in tributaries of the Salt River and Roosevelt Reservoir helping to preserve ADEQ attainment status for these contaminants. In total, 46 miles of trails will be restored using best management practices for trail erosion.	This field was added in 2017 and may be not show a subgrantee.

AZ	C9	2016	98961317	06	20-004 (EV18-0001)	Sediment Discharge Reduction Through Brush Management in Altar Valley	2016	$220,000	$371,299	10/12/2017	12/31/2020	Mesquite encroachment in the Altar Valley, 30 miles southwest of Tucson, has reduced historic grasslands and vegetation cover, causing increased erosion, soil loss, and high rates of sediment pollution downstream. The Altar Valley Conservation Alliance (AVCA) is proposing the use of the aerially applied herbicide, Sendero Plus Premix, to reduce mesquite densities on 2,000 acres of rangeland to promote the return of desert grassland, improve soil conservation, and reduce sediment discharge.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	08	20-007 (EV18-0001)	Rogers Ranch Streambank Treatment for Sediment Reduction	2016	$59,869	$99,782	09/27/2017	04/30/2020	The goal of this project is to treat vertical stream banks which are a considerable source of sediment entering Coyote Creek. This project is takes upstream of previous bank sloping work completed in GC 15 and GC 17. The project will include bank sloping and an aggressive re vegetation strategy.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	09	20-008 (EV18-0001)	Knight Ranch Sediment Basin Rehabilitation	2016	$8,973	$49,487	09/27/2017	10/31/2019	The goal of this project is to rehabilitate 4 water and sediment control basins that have far exceeded their service life. These basins are in need of spillways to properly pass flood flows. The tributaries here drain directly into Coyote Creek, which is a known contributor of excessive sediment to the impaired Little Colorado River.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	14	18-002 (EV16-0002)	San Francisco and Blue Rivers E. coli Reduction	2016	$77,214	$101,350	06/10/2016	06/30/2020	Overview The Gila Watershed Partnership is focusing their efforts on improving the uplands surrounding the San Francisco and Blue Rivers to reduce runoff and sediment contributions that can spike E. coli pathogens. As sediment moves across the uplands, it picks up E.coli and enteric pathogens from wildlife, cattle, and humans and then deposits these microbes into the rivers. Objectives Reduce sediment contributions to the San Francisco and Blue Rivers. Methods Outreach and education to the residents of and visitors to the rivers in Clifton, AZ. Water quality monitoring, water and sediment control structures, native plant community plantings in determined restoration areas.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	18	EV20-0039 Direct Fun	NCD Engineering Services for Social Trail Rehabilitation in Oak Creek	2016	$9,787	$9,787	04/02/2020	10/31/2021	The Arizona Department of Environmental Quality, working in cooperation with Coconino National Forest is planning to conduct work with field crews that will rebuild access trails, stabilize gullied social trails, cut off access to social trails, and reduce erosion from creek access points in Oak Creek Canyon. They have proposed to assess and stabilize approximately 84 separate areas along Highway 89 through the canyon. It is anticipated that reduction in stream side erosion within the riparian buffer zone will reduce non-point source pollutants, improve stream water quality and help to meet water quality guidelines for upper Oak Creek.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	19	18-004 (EV16-0002)	Sheet Erosion and E. coli Mitigation at Sands Ranch	2016	$65,250	$126,969	06/13/2016	11/30/2018	Overview Two years of work completed through ADEQ grants have been completed on the Sands Ranch. Borderlands contractor will continue restoration work through rock check dams, water spreading and Wildlife Habitat Management. Objectives To install may rock structures that are easy to install across the uplands of the watershed to stabilize eroding rangelands and prevent E. coli from entering the San Pedro River. Methods Land survey and develop engineering plans for placement of many rock check dams. Borderlands will be working with the landowners in the watershed to be involved with rock work.	BORDERLANDS
AZ	C9	2016	98961317	20	EV11-0010 - ISA	Arizona Master Watershed Stewards (MWS) Educational Outreach and Technical Support Program Continuation (2010-2012)	2016	$156,717	$207,327	07/01/2010	05/31/2020	Overview Arizona Cooperative Extension at the University of Arizona (UA) and Arizona Department of Environmental Quality (ADEQ) began the Arizona Nonpoint Education for Municipal Officials (NEMO) Program and the Master Watershed Steward (MWS) Program in the fall of 2002. Following on the educational outreach activities initiated in 2003, both NEMO and MWS have built the foundation of successful programs. Working with community watershed partnerships across the state and Extension County offices, both MWS and the NEMO program has contributed to watershed group capacity building in providing educational outreach material, curriculum development, training workshops, web site development, watershed-based planning documents, and support for grant applications under the CWA 319 program administered by ADEQ. Objectives This funding request of $210,588 is to fund the MWS Program from July 1, 2010 to June 30, 2012 (two years). To more specifically address the water quality impairment issues identified by ADEQ in the Arizona Integrated 305(b) and 303(d) Listing Reports, ADEQ solicited proposals for Targeted Watershed Improvement Grants in 2009, focusing on three priority Arizona Watersheds classified as "impaired" for the fecal indicator bacteria E.coli, as well as other water quality constituents. These watersheds included the San Francisco (tributary to the Gila River); and, Granite Creek and Oak Creek (both tributaries to the Verde River). Three additional watersheds were added to the Targeted Watershed Improvement Grant program in 2010, including the Middle San Pedro; the Headwaters of the Little Colorado; and, Tonto Creek (tributary to the Salt River). To support these targeted watershed groups, MWS has been leveraged to develop smaller-scale, more refined products that address the specific impairment issues in each watershed. In supporting the first round of targeted grantees, it has become apparent that better defined educational needs and initial communication before the watershed groups start their planning work will help ensure better delivery and coordination of outreach programs and products between ADEQ, the University of Arizona and the watershed groups. Methods Coordination with Targeted Watershed Grantees to provide support for education adn outreach efforts including MWS courses, workshops, presentations, outreach planning, and education/outreach materials.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	21	18-006 (EV16-0002)	Babocomari Sediment Reduction and Riparian Restoration	2016	$51,288	$85,657	06/13/2016	05/31/2018	Overview Reduce erosion and sediment transport, increase channel stability and water retention, and promote vegetation and wildlife habitat in tributary drainages of the Babocomari River. Objectives Protecting sheet flow and reducing the velocity of storm water as it crosses the landscape and enters drainages. The reduction reduction in sediment and runoff will assist the retention of fecal matter in the uplands and reduce loads into the stream channel. Methods Many one rock check dams, Zuni bowls, and Media Luna structures.	BORDERLANDS RESTORATION L3C
AZ	C9	2016	98961317	22	EV15-0005 - ISA	ADEQ/AZ Game and Fish Watershed Restoration and Protection Partnership	2016	$175,000	$295,358	06/25/2015	05/31/2019	Overview Partnership between ADEQ and AZ Game and Fish Department. To fund projects that restore water quality grass and rangeleand health, and wildlife habitats in apparent areas by both agencies. The projects will be implemented in ADEQ Targeted Watersheds. Objectives Fund on-the-ground projects to improve water quality, livestock production, fish and wildlife habitate, plant conditions and arrest soil erosion. Methods Priority will be given to projects that address water quality impairements. A subcontractor will be hired to complete the tasks.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	23	PO 234668 Direct Fun	Bowman Fencing Surveying	2016	$5,616	$5,616			Survey and staking services for fence installation	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2016	98961317	24	NPS 27 C9-989613-17-	NPS 27 Total Match Funds	2016	$0	$133,817	01/01/2017	12/30/2017	Total Match fund detail break down on NPS 27	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	01	EV19-0005	San Pedro Watershed - Sonora Mexico	2017	$300,000	$524,000	12/17/2018	03/31/2021	The project concentrated in three major deliverables: 1) Capacity Building, community trainings in planning, design and implementation of GI activities; 2) Demonstration Sites, implement three GI projects for sediment control on upper watershed, buildings and arroyo-streets sites; 3) Policy development, develop a resolution to continue expanding and strengthening GI practices in Sonora, Mexico. This project targeted various community sectors through a unique and integrated blend of community outreach presentations, design training, and collaborative assessment, design, and construction sessions related to green infrastructure. By building local capacity in green infrastructure, the project is enabling the communities to better adapt and innovate new green infrastructure practices address identified sediment management issues while fulfilling community needs well into the future.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	02	117-1303128	3R Mine Remediation	2017	$142,662	$142,662	11/16/2020	04/01/2021	Ownership of 3R mine is split between private and USFS. Tetra Tech is completing the final engineering design and costs. Good Neighbor Agreement will provide funding to ADEQ to complete work on USFS property.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	03	117-1303136	Poland Walker Tunnel Mine Remediation	2017	$10,318	$10,318				This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	04	20-006 (EV18-0001)	Buckhorn Water Enhancement	2017	$36,212	$116,730	11/16/2017	10/31/2019	The purpose of these projects is to improve watershed condition by improving infiltration of runoff thereby increasing ground water recharge and reducing sediment runoff by improving vegetative ground cover through improved grazing distribution by both domestic animals and wildlife. Location is Lower West Clear Creek and Wickiup Creek 6th code Verde watershed. Shared goals - improved watershed condition; pool resources between permittee, Forest Service, AZ Game & Fish and other potential partners; stabilize head-cuts, using one rock structures, brush control and using limbs in channels, re-direct water flows; repair stock tanks and associated ditches; construct trick tanks for reliable water sources; juniper and mesquite reduction as part of improving grasslands and water flows to stock tanks; improve vigor of native perennial grasses and increase number of perennial grass species; go back to Buckhorn EA and utilize forage at the conservative use level of 30 to 40%; seeding native grasses; change type of grazing animal that uses pastures, like bulls, dry cows, weaners; provide reliable water sources for wildlife as well.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	05	EV20-0016- Direct Fu	NFF Social Trail Rehabilation at Pullouts	2017	$80,000	$80,000			Thirty-two social trails emanate from these unauthorized pullouts along Oak Creek Canyon. This scope of work entails restoring and rehabilitating informal (social) trails associated with these pullouts planned for closure. The first 100 feet of these social trails will be rehabilitated using a combination of slope recontouring and/or trail rehabilitation techniques using natural materials (e.g., rock, boulders, woody debris, reseeding).	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	06	EV20-0017	OCWC High Impact Water Quality Sampling	2017	$100,000	$100,042			The Oak Creek Watershed Council has been funded to conduct litter clean-up events over two years, primarily during the recreation season, at 10 high recreation impact sites and roadside pullouts in Oak Creek Canyon. OCWC is quantifying and weighing human, dog waste, diapers, and litter to estimate E. coli load reductions resulting from clean ups.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	07	EV20-0039	NCD Engineering Services for Social Trail Rehabilitation in Oak Creek	2017	$14,186	$14,186	04/02/2020	10/31/2021	The Arizona Department of Environmental Quality, working in cooperation with Coconino National Forest is planning to conduct work with field crews that will rebuild access trails, stabilize gullied social trails, cut off access to social trails, and reduce erosion from creek access points in Oak Creek Canyon. They have proposed to assess and stabilize approximately 84 separate areas along Highway 89 through the canyon. It is anticipated that reduction in stream side erosion within the riparian buffer zone will reduce non-point source pollutants, improve stream water quality and help to meet water quality guidelines for upper Oak Creek.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	08	21-001 (EV19-0001)	Webber Creek Watershed Preservation	2017	$352,200	$599,302			The project will preserve water quality in Webber Creek by improving the existing sewer facilities a Camp Geronimo and reducing soil erosion occurring throughout the camp. The sewer facility modifications include seven new vault and haul latrines and relocation of the leach field at an existing restroom. Soil erosion that currently discharges to Webber Creek will be reduced by construction of cross drainage structures and roadside ditches with check dams.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	09	21-002 (EV19-0001)	Cienega Creek Watershed Erosion Control	2017	$138,028	$230,046			process developed in 2016 by WMG and Ciénega Watershed Partnership selected 15 sites for detailed assessments and planning for erosion control in the Ciénega Watershed. Erosion control strategies will be implemented at four of these sites. Methods used will be long lasting and work with natural hydrological processes to heal erosion, and promote vegetation growth and soil retention.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	10	EV11-0010	Arizona Master Watershed Stewards (MWS) Educational Outreach and Technical Support Program Continuation (2010-2012)	2017	$0	$0	07/01/2010	05/31/2020	Overview Arizona Cooperative Extension at the University of Arizona (UA) and Arizona Department of Environmental Quality (ADEQ) began the Arizona Nonpoint Education for Municipal Officials (NEMO) Program and the Master Watershed Steward (MWS) Program in the fall of 2002. Following on the educational outreach activities initiated in 2003, both NEMO and MWS have built the foundation of successful programs. Working with community watershed partnerships across the state and Extension County offices, both MWS and the NEMO program has contributed to watershed group capacity building in providing educational outreach material, curriculum development, training workshops, web site development, watershed-based planning documents, and support for grant applications under the CWA 319 program administered by ADEQ. Objectives This funding request of $210,588 is to fund the MWS Program from July 1, 2010 to June 30, 2012 (two years). To more specifically address the water quality impairment issues identified by ADEQ in the Arizona Integrated 305(b) and 303(d) Listing Reports, ADEQ solicited proposals for Targeted Watershed Improvement Grants in 2009, focusing on three priority Arizona Watersheds classified as "impaired" for the fecal indicator bacteria E.coli, as well as other water quality constituents. These watersheds included the San Francisco (tributary to the Gila River); and, Granite Creek and Oak Creek (both tributaries to the Verde River). Three additional watersheds were added to the Targeted Watershed Improvement Grant program in 2010, including the Middle San Pedro; the Headwaters of the Little Colorado; and, Tonto Creek (tributary to the Salt River). To support these targeted watershed groups, MWS has been leveraged to develop smaller-scale, more refined products that address the specific impairment issues in each watershed. In supporting the first round of targeted grantees, it has become apparent that better defined educational needs and initial communication before the watershed groups start their planning work will help ensure better delivery and coordination of outreach programs and products between ADEQ, the University of Arizona and the watershed groups. Methods Coordination with Targeted Watershed Grantees to provide support for education adn outreach efforts including MWS courses, workshops, presentations, outreach planning, and education/outreach materials.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	11	EV19-0010	Santa Margarita and BANWR Brush Management	2017	$0	$0			The Santa Margarita project includes mechanically grubbing mesquite and piling carcassess on 389 acres of former grassland adjancent to a previously treated mesquite trees project	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2017	98961318	12	EV20-0019	ADOT Pullout Closures Along Oak Creek	2017	$0	$0			ADOT was funded to close 26 pullouts along 89A in Oak Creek Canyon using guardrail and bollards to reduce unauthorized parking (and associated creek access) where there are no facilities. These closures will redirect visitors to designated recreation sites or out of the canyon to recreate elsewhere when sites are full. This collaborative project effectively reduced roadside parking by about 19% in the canyon. These closures will reduce the intensity of visitor use, resulting in lower amounts of human and dog waste and litter in these areas that contribute to E. coli pollution.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2018	98961319	01		Stream Dynamics Babocomari Watershed Assessment	2018	$9,702	$9,702	01/24/2020	03/02/2020	Watershed assessment of the Babocomari River with focus on Chase/Emmerson property along the San Pedro River.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2018	98961319	02	Project 117-1303123	Storm Cloud Mine Remediation	2018	$166,128	$166,128	11/18/2020	12/24/2020	Exposed waste rock and a discharging adit have been observed to be interacting with surface water during rainfall events. Exposed waste rock in unlined drainage channel allows for surface water interaction with waste material. Shallow groundwater has also contributed to seeps observed to flow into the active channel.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2018	98961319	03	117-1303128	3R Mine Remediation	2018	$0	$0	11/16/2020	04/01/2021	Ownership of 3R mine is split between private and USFS. Tetra Tech is completing the final engineering design and costs. Good Neighbor Agreement will provide funding to ADEQ to complete work on USFS property.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2018	98961319	04	EV11-0010	Arizona Master Watershed Stewards (MWS) Educational Outreach and Technical Support Program Continuation (2010-2012)	2018	$0	$0	07/01/2010	05/31/2020	Overview Arizona Cooperative Extension at the University of Arizona (UA) and Arizona Department of Environmental Quality (ADEQ) began the Arizona Nonpoint Education for Municipal Officials (NEMO) Program and the Master Watershed Steward (MWS) Program in the fall of 2002. Following on the educational outreach activities initiated in 2003, both NEMO and MWS have built the foundation of successful programs. Working with community watershed partnerships across the state and Extension County offices, both MWS and the NEMO program has contributed to watershed group capacity building in providing educational outreach material, curriculum development, training workshops, web site development, watershed-based planning documents, and support for grant applications under the CWA 319 program administered by ADEQ. Objectives This funding request of $210,588 is to fund the MWS Program from July 1, 2010 to June 30, 2012 (two years). To more specifically address the water quality impairment issues identified by ADEQ in the Arizona Integrated 305(b) and 303(d) Listing Reports, ADEQ solicited proposals for Targeted Watershed Improvement Grants in 2009, focusing on three priority Arizona Watersheds classified as "impaired" for the fecal indicator bacteria E.coli, as well as other water quality constituents. These watersheds included the San Francisco (tributary to the Gila River); and, Granite Creek and Oak Creek (both tributaries to the Verde River). Three additional watersheds were added to the Targeted Watershed Improvement Grant program in 2010, including the Middle San Pedro; the Headwaters of the Little Colorado; and, Tonto Creek (tributary to the Salt River). To support these targeted watershed groups, MWS has been leveraged to develop smaller-scale, more refined products that address the specific impairment issues in each watershed. In supporting the first round of targeted grantees, it has become apparent that better defined educational needs and initial communication before the watershed groups start their planning work will help ensure better delivery and coordination of outreach programs and products between ADEQ, the University of Arizona and the watershed groups. Methods Coordination with Targeted Watershed Grantees to provide support for education adn outreach efforts including MWS courses, workshops, presentations, outreach planning, and education/outreach materials.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	01	Project 117-1303110	McKinley Mill Mine Remediation	2019	$200,000	$912,825	09/01/2020	01/01/2021	The Wetland Mine, historically known as the McKinley Mill, is located in the Upper Hassayampa River amongst the Potato Patch community. Exposed waste rock and tailings extend up to the active channel. Perennial flows, along with high flows, promote undercutting of the waste material. Additionally, steep angles along the face promote fast flows with higher erosion capacity. There is a TMDL (Hassayampa River TMDL) - Headwaters to Copper Creek	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	02		Gibson Mine Remediation	2019	$44,940	$44,940	12/01/2020	12/31/2020	Gibson mine is the major source of copper to Pinto Creek. Two previous projects have resulted in 85% reductions in copper loading. Additional work is needed at site to address hotspots.	This field was added in 2017 and may be not show a subgrantee.

AZ	C9	2019	98961320	03	EV20-0038	OCWC Pet Waste Station Installation	2019	$138,363	$180,767	03/30/2020	05/31/2022	This project will be managed by the Oak Creek Watershed Council. The OCWC will purchase, paint, install, manage, and maintain 37 pet waste stations located primarily in Oak Creek Canyon. The OCWC will monitor water quality and measure pet waste for pollution load reduction estimates.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	04	Project 117-1303123	Storm Cloud Mine Remediation	2019	$557,564	$557,564	11/18/2020	12/24/2020	Exposed waste rock and a discharging adit have been observed to be interacting with surface water during rainfall events. Exposed waste rock in unlined drainage channel allows for surface water interaction with waste material. Shallow groundwater has also contributed to seeps observed to flow into the active channel.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	05	Project 117-1303136	Poland Walker Tunnel Mine Remediation	2019	$0	$0				This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	06	PR 9063A PO 225717	Slide Rock State Park Fencing Project	2019	$0	$0				This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	07	EV20-0019	ADOT Pullout Closures Along Oak Creek	2019	$141,096	$149,468			ADOT was funded to close 26 pullouts along 89A in Oak Creek Canyon using guardrail and bollards to reduce unauthorized parking (and associated creek access) where there are no facilities. These closures will redirect visitors to designated recreation sites or out of the canyon to recreate elsewhere when sites are full. This collaborative project effectively reduced roadside parking by about 19% in the canyon. These closures will reduce the intensity of visitor use, resulting in lower amounts of human and dog waste and litter in these areas that contribute to E. coli pollution.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	08	EV20-0039	NCD Engineering Services for Social Trail Rehabilitation in Oak Creek	2019	$8,980	$8,980	04/02/2020	10/31/2021	The Arizona Department of Environmental Quality, working in cooperation with Coconino National Forest is planning to conduct work with field crews that will rebuild access trails, stabilize gullied social trails, cut off access to social trails, and reduce erosion from creek access points in Oak Creek Canyon. They have proposed to assess and stabilize approximately 84 separate areas along Highway 89 through the canyon. It is anticipated that reduction in stream side erosion within the riparian buffer zone will reduce non-point source pollutants, improve stream water quality and help to meet water quality guidelines for upper Oak Creek.	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2019	98961320	09	EV20-0016- Direct Fu	NFF Social Trail Rehabilation at Pullouts	2019	$0	$0			Thirty-two social trails emanate from these unauthorized pullouts along Oak Creek Canyon. This scope of work entails restoring and rehabilitating informal (social) trails associated with these pullouts planned for closure. The first 100 feet of these social trails will be rehabilitated using a combination of slope recontouring and/or trail rehabilitation techniques using natural materials (e.g., rock, boulders, woody debris, reseeding).	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2020	98961321	01	Project 117-1303110	McKinley Mill Mine -	2021	$340,131	$340,131	09/01/2020	01/01/2021	The Wetland Mine, historically known as the McKinley Mill, is located in the Upper Hassayampa River amongst the Potato Patch community. Exposed waste rock and tailings extend up to the active channel. Perennial flows, along with high flows, promote undercutting of the waste material. Additionally, steep angles along the face promote fast flows with higher erosion capacity. There is a TMDL (Hassayampa River TMDL) - Headwaters to Copper Creek	This field was added in 2017 and may be not show a subgrantee.
AZ	C9	2020	98961321	02	117-1303128	3R Mine Remediation	2021	$0	$0	11/16/2020	04/01/2021	Ownership of 3R mine is split between private and USFS. Tetra Tech is completing the final engineering design and costs. Good Neighbor Agreement will provide funding to ADEQ to complete work on USFS property.	This field was added in 2017 and may be not show a subgrantee.