

ADEQ Water Quality Improvement Grant Projects FY 04-05 Awards

Apache

7-001	EC Bar Ranch	EC Bar Ranch Turbidity Reduction Project - Phase VII	\$60,000.00
-------	--------------	---	-------------

Best management practices will be implemented to control nonpoint source pollution and restore natural resources. Project BMPs include the installation of elk fencing, water well, drinker, sprinkler system, vegetative planting, and invasive weed control. This grant supports the goals and objectives of the Upper Little Colorado Watershed Watershed-based Plan and implementation recommendations from ADEQs Nutrioso Creek Total Maximum Daily Load for turbidity. Partnerships include: Steward Incentive Program, Environmental Quality Incentive Program, Arizona Water Protection Fund, Arizona Game and Fish Department, US Fish and Wildlife, Western Region Sustainable Agriculture Research and Education and the U.S Forest Service. The project area includes about 3 miles of Nutrioso Creek located on the 400 acre EC Bar Ranch owned by Mr. Crosswhite.

Cochise

7-002	Coronado RC&D Area, Inc.	Campomocho-Sacaton Watershed Stormwater Runoff Control Phase II	\$179,800.00
-------	-----------------------------	--	--------------

This project will reduce the amount of sediment produced off 12,800 acres of rangeland in the Campomocho sub watershed of Willcox Playa. The objective is to manage precipitation that falls in the upper watershed, utilizing it for plant growth and reducing runoff. The best management practices that will be implemented include installing sediment retention structures and contour ripping and seeding to reestablish vegetation. Water quality will be improved by reducing the amount of sediment being transported off the upper watershed during rain fall events. In addition to erosion control, best management practices will be implemented to improve wildlife habitat and reduce safety concerns brought by flooding and sediment deposition.

Coconino

7-003	Boy Scouts of America Grand Canyon Council	Boy Scout Camp Raymond On-site Sewer System Improvements	\$150,600.00
-------	---	---	--------------

The primary goal of this project is to reduce potential pollution to a pristine area of the Verde Watershed. The goal is to effectively eliminate any potential contamination to the ground water, adjacent springs, streams and an existing well by upgrading the sewer systems at the camp that have been in place for over 30 years. Modifications to include septic tank replacement, addition of secondary treatment facilities, addition to subsurface disposal facilities, and conversion of individual campsite pit toilets to sealed vault and haul units.

Gila

7-004	Franciscan Friars of California, Inc.	The Gibson Mine Total Maximum Daily Load Reduction to Pinto Creek	\$570,106.00
-------	--	--	--------------

The Franciscan Friars of California, Inc. and Brown and Caldwell will remediate the abandon Gibson Mine (near Globe) to improve water quality in Pinto Creek. Pinto Creek is impaired by copper and the Gibson mine has been identified in both the Phase I Pinto Creek Total Maximum Daily Load (TMDL) report and the preliminary Phase II TMDL as the major source of copper contamination.

Gila

7-005	Gila County Division of Health and Community Services	Gila County Ground and Surface Water Improvement Project	\$252,467.00
-------	---	--	--------------

The Gila County water quality improvement project will protect and preserve the ground water and surface water in Gila County by replacing, repairing, and upgrading current waste water systems (i.e. cess pools, pit privy, structurally unsound and/or failing septic systems) in the Tonto Creek (headwaters) and Christopher Creek Total Maximum Daily Load focus areas. As a result, ground water and surface water will improve as well as the health and safety of residents.

Graham

7-006	Gila Watershed Partnership	Central Detention Dam Rehabilitation	\$15,600.00
-------	----------------------------	--------------------------------------	-------------

The Gila Watershed Partnership will rehabilitate the Central Detention Dam, a 27-foot high earthen structure that was built in 1948 to serve as a flood control dam. It serves to reduce erosion during periods of heavy rainfall and allows for maximum recharge to the hydrologic system. However, since 1948, the detention dam has been poorly maintained and desperately needs maintenance. Maintenance practices include: cleaning the spillway, removing debris and sediment, and clearing the excessive vegetation (mesquite, creosote, and salt cedar) in the outlet structure and emergency spillway. Off-highway vehicle damage will also be repaired and a fence will be installed to serve as a vehicle deterrent. Lastly, signage will be placed to provide the necessary education and outreach.

Greenlee

7-007	Gila Watershed Partnership	Kaler Ranch Erosion Control Project	\$167,000.00
-------	----------------------------	-------------------------------------	--------------

The goal of this project is to preserve, protect and improve water quality by reducing sediment discharge and excess organic input to the San Francisco River. This project, located in the San Francisco River sub-watershed of the Upper Gila, includes extending and improving road drainage culverts that are used to drain water from a highway and construct streambank protection structures. The project also includes an education and outreach effort designed to inform and educate the community.

Santa Cruz

7-008	Coronado RC&D Area, Inc.	Partnership to Improve Water Quality in Redrock Canyon/Upper Santa Cruz Watershed	\$249,302.00
-------	--------------------------	---	--------------

This project addresses sediment production on the entire Red Rock Canyon Watershed that drains the Canelo Hills east of the Town of Patagonia in Santa Cruz County. 95% of the Red Rock Watershed is contained in 5 grazing allotments. These allotments have joined together to implement best management practices over the entire watershed. The best management practices will include alternative sources of water in the uplands, fencing, and revegetation.