ADEQ Water Quality Improvement Grant Projects FY 05-06 Awards

Cochise

8-001 Community Watershed Alliance

CWA Manzanita Erosion Control Project

\$27,033

The CWA's goal of this project is to implement best management practices that will curb erosion occurring upland in the Middle San Pedro sub-watershed which ultimately reaches the San Pedro River. The project proposes to install rip rap stabilization structures, replace an undersized culvert, and insert gully plugs to reduce head cutting. Vegetation reseeding will be encouraged where warranted by available water sources and soil types.

Coconino

8-002 The Nature Conservancy
Hart Prairie Sediment Control Project

\$24,722

The Nature Conservancy's (TNC) goal for this project is to improve and protect the Bebb Willow wetland community through the installation of French drains, water bars, and elevated road ways within the Hart Prairie Preserve. Through these best management practices, TNC hopes to restore the hydrologic flows in the Upper Verde Watershed as well as reduce sediment loading to the Bebb Willow community, decrease flood velocity, and increase recharge to the aquifer.

<u>Gila</u>

8-003 Boy Scouts of America Grand Canyon Chapter R-Bar-C Boy Scout Sewer Facilities Upgrade

\$162,300

The Grand Canyon Council of the Boy Scouts of America proposes to upgrade septic treatment and disposal facilities to alleviate possible water contamination in the adjacent Christopher Creek. The sanitary facilities to be upgraded include existing septic tank systems, existing pit toilets at camp sites, and an existing evapotranspiration bed that appears to be contributing to the current contamination documented within this reach of Christopher Creek.

8-004 Franciscan Friars of California, Inc Former Gibson Mine TMDL Reduction to Mineral Creek \$140,171

The Franciscan Friars of California, Inc. goal is to design, construct, and implement a manmade wetland to reduce copper loading to mineral creek. The constructed wetland will be located on a tributary within the property boundary. This wetland will be capable of reducing other nonpoint source pollution sources such as beryllium, zinc, and turbidity.

8-005 Gila County Division of Health And Community Services \$258,300 Gila County Ground and Surface Water Improvement Project - Phase II

The Gila County Division of Health and Community Services aims to protect and preserve the groundwater in Gila County by replacing, repairing, and upgrading current wastewater systems, illegal cesspools, pit privy, and structurally unsound/failing septic systems. By implementing these practices, the protection of ground and surface water quality will be achieved.

Graham

8-006 Gila Watershed Partnership Gila River Clean up Project

\$110,500

The Gila Watershed Partnership will address an illegal dumpsite along and in the Gila River. This project will clean up an estimated 6000 tons of garbage. The debris and garbage contain hazardous waste as well as oil and grease. There is runoff into the Gila River during and after rainfall events.

<u>Greenlee</u>

8-007 Upper Eagle Creek Watershed Association
Upper Eagle Creek Watershed Restoration Project

\$360,930

The Upper Eagle Creek Watershed Association's project goal is to alleviate nonpoint source pollution by excluding cattle from Eagle Creek and other riparian areas through fencing, providing alternative water sources for livestock, and applying intensive grazing management techniques, including rotational grazing on various allotments within the watershed.

8-008 Gila Watershed Partnership

\$169,800

Kaler Ranch Erosion Control Project Phase II

The Gila Watershed Partnership's goal for this project is to preserve, protect and improve water quality by reducing sediment discharge and excess organic input to the San Francisco River. Best management practices will include extending and improving road drainage culverts, adding sediment collection boxes and ditches, and a sediment retaining wall.

<u>Mohave</u>

8-009 Hualapai Tribe

\$50,000

Bank Stabilization at Spencer Beach-Protection of Composting Restroom

The Hualapai Tribe and the engineering firm, Natural Channel Design, propose to stabilize the banks surrounding the composting restroom at Spencer Beach in the Grand Canyon along the Colorado River. Currently, the restrooms are being threatened by erosion. Through this project an engineering design will be developed and implemented to prevent future loss of the restroom and subsequent contamination of the Colorado River.

8-010 Hualapai Tribe

\$52,160

Composting Restroom for the Hualapai Helipad Tourist Destination

The Hualapai Tribe's goal of this project is to construct a composting restroom next to the helipad landing area located next to the Colorado River in the Grand Canyon. Currently, there are no restrooms in the vicinity for tourist to use before leaving on Grand Canyon river boat tours. As a consequence, human waste is being deposited along the vegetation which eventually makes it the river.

Santa Cruz

8-011 Coronado Resource Conservation & Development Area, Inc. Erosion Control in the Babacomari/Upper San Pedro Watershed \$18,470

The goal of the E Lazy H Ranch and the University of Arizona Cooperative Extension is to stabilize two gullies in Lyle Canyon that are contributing sediment to the Babacomari River. Best management practices will be implemented to stabilize the slopes of these gullies as well as introduce erosion control mats, waddles, and revegetation practices.

8-012 Coronado Resource Conservation & Development Area, Inc. \$52,500

A Watershed Approach to Improving Water Quality in Red Rock Canyon - Phase 2

The Canelo Hills Coalition is a group of ranches in Santa Cruz County that are working together to improve water quality in Red Rock Canyon, a tributary to Sonoita Creek and the Upper Santa Cruz Watershed. The Canelo Hills Coalition is working with the Coronado Resource Conservation & Development Area, Inc. on this project to address sediment delivery by improving watershed health through the implementation of best management practices that facilitate a rest-rotation grazing system to maximize vegetation on the watershed.

Yavapai

8-013 Prescott Creeks Preservation Association \$217,982 Granite Creek Watershed - Water Quality Improvement and Monitoring Program

The Prescott Creeks Preservation Association's goals of this project are to implemented four project components; 1) redesign and construct a stormwater runoff basin, 2) apply stenciling to storm drains informing the public of the consequences of dumping waste down the drain, 3) develop BMP for ranchers/community along a riparian area, and 4) monitor for metals and bacteria to assess water quality improvement.