Water Quality Improvement Grant Award Recipients
Cycle 2, Year 2000

The seven projects, listed by county, receiving grant awards are:

Apache

Apache County — **Grant Award**
"Alpine/Luna Lake Improvement" — **$152,580.00**

The County proposes to dredge accumulated sediment from Luna Lake to increase the volume of water and harvest weeds to decrease the volume of aquatic plants rooted or floating in the lake. Goals for the project include: increased dissolved oxygen levels, reduced quantities of nutrient-rich sediments on the bottom, lowered average pH, and reduced total phosphorous. In addition, the County will establish water quality monitoring points along the San Francisco River to help identify locations of faulty septic systems and provide financial assistance to repair or replace faulty septic systems. If you would like more information about this project, please contact Cathy Cosgrove at (520) 333-2680 or email her at heroconsulting@hotmail.com.

United States Forest Service — **Grant Award**
Apache-Sitgreaves National Forests — **$162,073.79**
Springerville Ranger District
"Murray Basin/Saffel Canyon Phase II"

The Forest Service seeks to return two severely degraded upper watersheds of the Little Colorado River Basin to satisfactory conditions, reduce erosion processes currently in force, and restore channels to their natural form and function. Monies are requested to fund the construction of erosion control structures, including gully stabilization, heavy equipment rentals, materials, and labor. The Forest Service also plans for some road realignment/upgrading, obliteration of designated roads and two-tracks, and revegetation of disturbed sites. The project will be implemented directly upstream of Nutrioso Creek, currently on the state's 303(d) list of impaired water bodies for turbidity.

James W. Crosswhite — **Grant Award**
"EC Bar Ranch Turbidity Reduction Project- Phase II" — **$51,540.00**

Preserve, protect and enhance water quality by minimizing impacts of turbidity pollution discharged to surface and groundwater from nonpoint sources along a ½ mile section of Nutrioso Creek. Through various Total Maximum Daily Load (TMDL) recommended practices, such as implementing riparian fencing and installing off-channel water wells, Mr. Crosswhite hopes to change the riparian corridor from a "non-functioning" condition to one that is functioning properly. By restoring the riparian corridor, this private rancher hopes to recondition Nutrioso Creek so that it will eventually meet the TMDL standards.

Cochise

Coronado Resource Conservation and Development **Grant Award**
"Borderlands Storm Water Runoff Control Project" **$168,000.00**

Implement Best Management Practices (BMPs) to reduce sediment entering the San Pedro River. Brush clearing, grass seeding and shallow water spreader dike installation will be used to reduce sediment on 2,500 acres of severely eroded rangeland along the Mexican Border. If you would like more information about this project, please contact Jack Ladd of the Hereford Natural Resource Conservation District at (520) 432-4312

Graham

Coronado Resource Conservation and Development **Grant Award**
"Road Rehabilitation To Reduce Sediment In San Simon Watershed" **$38,100.00**

Rehabilitate 14 miles of unimproved roads within the watershed using structures at strategic locations to decrease sediment entering the San Simon River. In addition, the Coronado Resource Conservation and Development (RC&D) plan to provide a greater awareness of the watershed concept and erosion and sediment control as they relate it to water quality. If you would like more information about this project, please contact Pete Brawley of the San Carlos/Safford/Duncan Watershed group at (520) 428-2607.

Navajo

Overgaard Townsite Domestic Wastewater Improvement District **Grant Award**
"Overgaard Townsite Water Protection Project" **$34,080.00**

The Overgaard Domestic Wastewater Improvement District plans to protect surface water and ground water that is presently threatened by an abandoned/ failed onsite community wastewater disposal system. Twenty households are presently hooked up to the system via trunk lines, and when functioning, the system consists of a 10,000 gallon septic tank and leach field located on a one-acre parcel just north of the subdivision. The Overgaard Townsite Water Protection Project will repair the entire system, thus protecting public health and the underlying aquifers and nearby streams within the Little Colorado - San Juan Watershed.

Pinal

Raymond C. Keeler **Grant Award**
"Peppersause Cave Water and Cave Restoration" **$71,833.00**

The main goal of this project is to preserve and protect ground water by removing and preventing pollution in Peppersause Cave, located in the Coronado National Forest. Mr. Keeler intends to clean the water in the permanent pools contaminated with e-coli, remove the litter and graffiti, create and distribute educational material, erect a kiosk, and encourage current users of the cave to help in clean-up and preservation efforts.