

## **Water Quality Improvement Grant Award Recipients Cycle 1, July 2001**

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

### **Apache**

**James W. Crosswhite**

"EC Bar Ranch Turbidity Reduction Project - Phase III"

**Grant Award**

**\$45,036.00**

Preserve, protect and enhance water quality by minimizing impacts of turbidity pollution discharged to surface and groundwater from nonpoint sources along a 2 ½ mile section of Nutrioso Creek located on 390 acres owned by James Crosswhite. The Phase III project complements the Phase I and II projects by addressing concern over elk activity that could defeat and/or delay restoration of the riparian corridor.

[www.ECBarRanch.com](http://www.ECBarRanch.com)

**United States Forest Service, Apache-Sitgreaves National Forest**

"Greenwood Sediment Reduction Project"

**Grant Award**

**\$224,500.00**

Reconstruct and realign Forest Roads to an acceptable level that will either eliminate or greatly reduce sediment contributions to Nutrioso Creek. Culverts, lead out ditches, and cross drains that drain directly into the stream's system will be disconnected to divert surface runoff to an appropriate buffer strip efficient enough to drop suspended sediments. Erosion stabilization methods will be applied to control active headcutting and bank erosion caused by the roads. If you would like more information about this project, please contact Phil Settles, Alpine District Ranger, at (928) 339-4384.

### **Cochise**

**Coronado Resource Conservation and Development Area, Inc.**

"Campomocho-Sacaton Watershed Stormwater Runoff Control"

**Grant Award**

**\$300,000.00**

The goal of this project is to improve water quality through the implementation of Best Management Practices (BMPs). The first phase will focus on installing practices in the uplands to reduce sediment and erosive water velocity reaching the edge of the valley. Secondary phases have been identified to address other water quality concerns in the watershed. Implementing the proposed BMPs will reduce contaminated runoff and control nonpoint source pollution within the watershed. If you would like more information about this project, please contact Dan Skinner at (480) 968-1930.

### **Coconino**

**Doug Cullinane**

"Oak Creek Task Force Water Quality Guardian Program"

**Grant Award**

**\$105,454.00**

The purpose of this proposal is to reduce the quantity of coliform laden sediments entering Oak Creek

and reduce the impacts of human activities which lead to increased animal excrement adjacent to Oak Creek. Public restrooms, public showers and sediment reduction facilities will be installed to improve the water quality in Oak Creek. If you would like more information about this project, please contact the project manager, Doug Cullinane, P.E., at (480) 831-8929 or email him at dougcullinane@aol.com. You can also contact the Oak Creek Task Force Co-chairman, Barry Allan, at nelsenallan@msn.com or Morgan Stine at morgan@sedona.net.

### **Mohave**

#### **Molly Meyer**

#### **Grant Award**

"Bar S Ranch Headquarters: Septic Tank and Drain Field Installation" **\$4,658.00**

Replace existing old block-walled septic tank with a 2000 gallon capacity fiberglass or poly tank. A proper functioning drain field will be installed, along with sewer lines and plumbing. The project will protect the adjacent Chicken Springs Wash from septic overflow and well contamination. Molly Meyer says that she is delighted to receive the grant and that "their headquarter's population is growing and the grant award is very timely." If you would like more information about this project, please contact the project manager, Molly Meyer, at (520) 716-3395.

### **Navajo**

#### **Tolchii' Kooh, Inc.**

#### **Grant Award**

"Best Management Practices for Wastewater Lagoons" **\$161,491.00**

A demonstration project to promote Best Management Practices (BMPs) for sewage lagoons by developing a modern wastewater lagoon system and regional training center at Tolani Lake on the Navajo Reservation. The project will be used to teach and promote BMPs associated with the operation and maintenance of lagoon systems while demonstrating methods of effluent reuse and recycling. In addition to the lagoon system, natural methods of advanced wastewater treatment through the use of constructed wetlands, a wastewater treatment system widely applicable on the Navajo Reservation will be demonstrated. "This is something that is really needed on the Navajo Reservation," according to Ben Crysler, Project Engineer. " There is a lot of value in the nutrients contained in wastewater effluent. By recycling this natural fertilizer into a useable product, we are not only helping to protect the watershed, but providing opportunities for local entrepreneurs as well."

The Demonstration center is schedule to be operational by October 2002. for more information, contact Dave Robbins, Project Manger, at (520) 525-1650.

### **Pima**

#### **Bil Taylor Design Associates**

#### **Grant Award**

"Riverfront Residence Green Roof Installation" **\$33,875.00**

Installation of approximately 3400 square feet of waterproofing, soil, and vegetative cover onto a roof adjacent to the Rillito River riparian corridor. The "green roof" demonstration project will mitigate the impacts of urban runoff by slowing and absorbing runoff from the roof 50-90%. The soil and

landscaping will act as a filter strip, minimizing the pollutants that drain from the roof into the watershed. The reduction in runoff will also reduce soil erosion on-site and downstream. If you would like more information about this project, please contact the project manager, Chris Evans, at (520) 792-9544.

**Pima Natural Resource Conservation District**

“Best Management Practices: A Balancing Act”

**Grant Award**

**\$40,000.00**

Implementation of Best Management Practices to reduce nonpoint source pollution from agricultural sources to protect water quality in groundwater and surface water. This project will reduce crop amendments lost through deep percolation, erosion and runoff and evaporation and drift that occur in the Northwest section of the Avra Valley Sub-Basin.

**Pinal**

**The Nature Conservancy**

"San Pedro Wildlife Sanctuary Habitat Restoration Project"

**Grant Award**

**\$253,584.00**

The overall goal of the project is to improve the condition of a reach along the San Pedro River. Water quality will be improved through restoration of agricultural fields by introducing native grasses and forbs and riparian flood plain habitat protection. A small outdoor riparian exhibit will be constructed for education and outreach. "The Nature Conservancy's goal at the Southwest Wildlife Rehabilitation Site is to get the water back into the river and let it flow as nature intended. I've seen U.S. geological survey reports of surveyors canoeing down the part of the river that is dry today. This grant will help us restore this river for wildlife and for people," Lower San Pedro Program Manager, Dave Harris said. If you would like more information about this project, please contact Dave Harris, Lower San Pedro Program Manager, at (520) 622-3861.