

1. Devereux Slough North Shore Margin Restoration \$28,820

Grantee: Santa Barbara Audubon Society

Total cost: \$41,020

Devereux Slough is a coastal estuary on the U.C. Santa Barbara West Campus managed by the UC Natural Reserve System Coal Oil Point Reserve. The 157-acre reserve encompasses the estuary, sand dune habitat, a dune swale and associated pond, and surrounding uplands and has the primary missions of conservation, education, research and public outreach. The slough provides habitat for waterfowl and the state-listed Belding's Savannah Sparrow, which breeds in the pickleweed marsh and forages in the transition zone at the margins of the slough. Two species of marsh dependent butterflies, the Pygmy Blue Butterfly and the Wandering Skipper, utilize the marsh vegetation during the larval phase and surrounding upland during the adult stage.

The Devereux Slough North Shore Margin Restoration project consists of 1) removal of non-native invasive plant species, including pampas grass, Melaleuca, Myoporum, harding grass, tamarisk, and palm from a seasonal wetland on the margin of Devereux Slough; and 2) revegetation of the salt marsh and willow woodland plant communities with native species. The project is a cooperative effort of the UCNRS and the Santa Barbara Audubon Society. A large number of volunteers from the local community and U.C. Santa Barbara will learn concepts of restoration, conservation, and wetland function while participating in the project.

2. Goleta Slough High Marsh Restoration \$12,000

Grantee: County of Santa Barbara

Total cost: \$124,000

The Goleta Slough High Marsh Restoration project will restore and enhance high marsh and slough margin habitat near the mouth of Goleta Slough. The project includes the removing iceplant, Myoporum shrubs and other exotic species, planting native plant species, building two observation decks, and installing four interpretive signs.

3. Creek Watchers Program, Latino Outreach Project \$29,990

Grantee: Community Environmental Council

Total cost: \$54,610

Community Environmental Council's Creek Watchers Program is a volunteer water quality monitoring and watershed education program. The Latino Outreach Project is one of the educational components of the Creek Watchers Program. The goals of the LOP are to 1) provide a special environmental education opportunity to public schools on the south coast of Santa Barbara County that have a high percentage of Latino students; 2) provide opportunities for the Spanish speaking community to learn more about local watershed ecosystems and the issues facing them; and, 3) encourage Latino residents in the Santa Barbara area to get involved in their neighborhood watershed, including water quality monitoring projects. The program includes a series of presentations, activities, and field trips addressing watershed issues, followed by a bilingual Family Night intended as a celebration of the students' achievements and an opportunity to get families involved in volunteering for the community.

4. Wildwood Creek Restoration Project

\$19,945

Grantee: Conejo Open Space Conservation Agency
Total cost: \$22,220

The Wildwood Creek Restoration Project will remove exotic species, from Wildwood Creek and its tributaries. Wildwood Creek flows through Wildwood Park, which encompasses 1,754 acres of open space in the northwest portion of Thousand Oaks. The creek is one of three major drainages in the City. The project area is approximately 2.5 linear miles of riparian habitat that varies in width from approximately 20 feet to 50 feet. Wildwood Park contains an extensive trail system that provides visitors access to the ridge, mesa, canyon and river. Once to the river, trail users can hike along its length, visit the waterfalls or one of the five picnic areas alongside the Creek.

The restoration project will target two exotic plants: Washingtonia palms and Arundo donax. Because these two species are not thoroughly established in this creek, the proposed project affords an opportunity to remove these species in a cost-effective manner with minimal disturbance to native plants along the stream corridor. The California Conservation Corps, volunteers involved with the Conejo Open Space Trails Advisory Committee, and the Conejo Open Space Conservation Agency Park Rangers, will perform the restoration work.

5. Nicholas Canyon Creek Restoration

\$30,000

Grantee: Ventura CoastKeeper
Total cost: \$155,000

The Nicholas Canyon Creek Restoration project will restore a 200-yard section of Nicholas Canyon Creek in Malibu to a highly functional riparian ecosystem, while also reducing flood potential and enhancing the area's scenic beauty. At its lowest point, the targeted section of Nicholas Canyon Creek includes a creek bank that is 40 ft. below grade level with a 60 degree slope. The year-round flow of the creek has been hindered by iceplant, Arundo, Myoporum and other exotic species, as well as by some sedimentation.

The creek restoration is part of a multi-year project, co-sponsored by the Los Angeles Department of Beaches and Harbors, that will create a working Chumash Native American Cultural Village and educate the community about the historic importance of this riparian environment. This project is designed to be a demonstration project, highlighting the effectiveness of volunteer community restoration of streambeds. It will also provide an opportunity to investigate and field test environmentally friendly geosynthetics and restoration techniques.

6. Resource Enhancement Program in Cold Creek

\$30,000

Grantee: Mountains Restoration Trust
Total cost: \$100,000

The Resource Enhancement Program (REP) in Cold Creek is a community outreach project designed to build partnerships with residents and stakeholders in a sub-watershed containing valuable natural resources. This project will enhance habitat conditions by informing the public of local environmental issues and high-priority restoration opportunities. Cold Creek is a tributary of Malibu Creek in the Santa Monica Mountains. Its pristine habitat has been designated a Significant Ecological Area and

Environmentally Sensitive Habitat Area. Today, 40% of the land in the Cold Creek basin is preserved open space.

The community-based REP will be implemented in the 5354-acre Cold Creek sub-watershed, which contains 1214 parcels controlled by more than 800 property owners, where over 500 homes have been built. Over a two-year period, MRT will expand the REP by making local environmental information available to the public through guided hikes, scientific lectures, children's educational programs, public homeowner meetings, and a descriptive resource guide. MRT will work with equestrians whose horse stables drain into Cold Creek, and those residents with private septic systems, to establish best management practices to prevent nutrients and sediments from polluting the stream. Cold Creek residents will receive a recreation and resource informational guide, which will illustrate the cultural history, recreational opportunities, and biodiversity of the region. The guide will also describe: prevalent non-native invasive species, best management practices for responsible living and resource protection, and key issues of sustainable riparian ecosystems.

7. Orange County Wetlands Map and Outreach Program \$7,700

Grantee: Friends of Harbors, Beaches and Parks
Total cost: \$13,700

The purpose of the Orange County Wetlands Map and Outreach Program is to promote wetlands recovery in Orange County by effective graphic depictions of existing watersheds, wetlands and needs for recovery. The Orange County GreenMap already produced by FHBP will be augmented with an overlay showing watersheds, desirable wetlands recovery projects and contacts. The GreenMap will show the 13 watersheds, ongoing projects, and desired projects as they are identified. Legislative districts will also be shown. Associated narratives will describe benefits from wetlands recovery including water quality benefits. The map will be used for programs and newsletters as well as networking among constituencies in Orange County.

8. Agua Hedionda Educational Signs Project \$25,000

Grantee: Agua Hedionda Lagoon Foundation
Total cost: \$59,440

The Agua Hedionda Lagoon Foundation (AHLF) will develop and construct 12 educational signs for display around Agua Hedionda Lagoon. The signs will discuss the ecological significance and workings of the lagoon. In addition, AHLF will design and construct three educational displays for the new Agua Hedionda Lagoon Discovery Center. These displays will encompass three areas of study – biology of the lagoon, cultural history and archeology of the lagoon, and current uses of the lagoon. Agua Hedionda Lagoon is located in the City of Carlsbad in northern San Diego County. It supports over 300 acres of wetland and aquatic habitat. The project will complement efforts to restore and enhance wetland and aquatic resources in the lagoon.

9. San Diego River Mouth Wetland Restoration & Education Project \$25,000

Grantee: Aquatic Adventures
Total cost: \$50,000

The San Diego River Mouth Wetland Restoration and Education Project will restore the wetland at the mouth of the San Diego River and empower the community by providing education about this valuable resource along with the tools for immediate action. A task force will determine appropriate restoration measures. Aquatic Adventures (a non-profit organization promoting science and stewardship through marine science education) will organize volunteer education/restoration events at the marsh which will include removal of invasive plants and trash, restoration of unnecessary paths, and trail enhancement. The project also includes the installation of a series of interpretive signs, a planting effort, and the establishment of a volunteer group to provide long term continued restoration.

10. Mission Valley Preserve Restoration and Stewardship Project \$17,050

Grantee: San Diego River Park Foundation
Total cost: \$27,050

The Mission Valley Preserve Restoration and Stewardship Project is a partnership between The San Diego River Park Foundation and Friends of Mission Valley Preserve to build community involvement and stewardship of the San Diego River through three community restoration events on approximately 3.2 acres. The 52-acre Mission Valley Preserve (MVP) is located within the City of San Diego along the San Diego River. The western portion is tidally influenced and immediately adjacent to Mission Bay Park and its Southern Wildlife Preserve. MVP is entirely located within the river's floodway. The riparian corridor is characterized by willow and cottonwood habitat, which is significantly impacted by non-native invasive plants.

The goals of the Restoration and Stewardship Project are to: increase community stewardship and participation in the management and activities of the Mission Valley Preserve; develop a model for community stewardship building which can be replicated on other portions of the river, especially for newly forming community organizations; restore two areas of the Mission Valley Preserve through the removal of solid waste (trash), invasive exotic plants and revegetation – one in a very visible area and one in an area that has recently been impacted by fires and railroad clearing of vegetation adjacent to its bridge; and lay the foundation for sustainable restoration efforts through the acquisition of equipment, public education, and increased community participation.