

## **Southern California Wetlands Recovery Project Completed Projects**

Completed projects are listed from north to south across the Wetlands Recovery Project geographic region with county name subheads.

### **Santa Barbara County**

#### **Arroyo Hondo Ranch Acquisition**

**Total Cost:** \$6,176,000

**Local Lead:** Land Trust of Santa Barbara County

Acquired 778 acres of riparian and grassland habitat along Arroyo Hondo Creek on the Gaviota Coast.

#### **Devereux Slough/Ellwood Mesa Regional Plan**

**Total Cost:** \$844,450

**Local Lead:** County of Santa Barbara

Completed amendments to the Devereux Slough/Ellwood Mesa Regional Plan for UCSB, County and privately-owned land.

#### **UCSB Campus Lagoon Enhancement Planning**

**Total Cost:** \$132,285

Developed a plan to enhance approximately 2 acres of salt marsh and sand dune habitat adjacent to the UCSB Campus Lagoon, and prepared restoration plans for three additional areas around the lagoon.

#### **Goleta Slough Tidal Restoration Study**

**Total Cost:** \$308,000

**Local Lead:** Santa Barbara Municipal Airport

Obtained experimental data for the Goleta Slough Tidal Restoration Study to adequately address the FAA's concerns and resolve the bird-strike issue.

#### **Goleta Slough Tidal Restoration Demonstration Project**

**Total Cost:** \$500,000

**Local Lead:** City of Santa Barbara

Evaluated alternatives for restoring tidal action to isolated basins in Goleta Slough adjacent to Santa Barbara Municipal Airport and potential associated bird strike hazards.

#### **Arroyo Burro Estuary and Mesa Creek Restoration**

**Total Cost:** \$1,089,000

**Local Lead:** City of Santa Barbara

Expanded the Arroyo Burro Estuary, restoring the lower portion of Mesa Creek, planting native vegetation and improving public access.

#### **Summerland/Greenwell Preserve Restoration**

**Total Cost:** \$181,827

**Local Lead:** Summerland Greenwell Preserve

Restored 2-acres of riparian habitat at the Summerland/Greenwell Preserve.

**Santa Barbara Urban Streams and Wetlands Restoration****Total Cost:** \$322,000**Local Lead:** Community Environmental Council

Implemented the San Jose Creek Restoration Plan and prepared an enhancement plan for four Santa Barbara County watersheds.

**Mission Creek Museum Area Restoration Plan****Total Cost:** \$148,000**Local Lead:** Community Environmental Council

Prepared a restoration plan for removal of invasive species, revegetation, implementation of stormwater best management practices, and installation of interpretive trails and exhibits along Mission Creek.

**Carpinteria Salt Marsh, Basin 1 Enhancement Plan****Total Cost:** \$100,000**Local Lead:** Land Trust of Santa Barbara County

Prepared an enhancement plan for restoration of Basin 1, approximately 23 acres in the Carpinteria

**Carpinteria Salt Marsh, Basin 1 Implementation****Total Cost:** \$2,663,300**Local Lead:** Land Trust of Santa Barbara County

Restored and enhanced 33 acres of the salt marsh known as Basin 1/South Marsh.

**Carpinteria Creek Arundo Removal Project****Total Cost:** \$197,430**Local Lead:** Santa Barbara Agricultural Commissioner

Removed non-native invasive weeds, Arundo donax, from the bed, banks, and overbanks of Carpinteria Creek and its tributaries.

**Ventura County****Matilija Dam Removal Feasibility Study****Total Cost:** \$5,150,000**Local Lead:** Bureau of Reclamation

Prepared a feasibility study for removal of Matilija Dam on the Ventura River.

**Matilija Dam Evaluation Project****Total Cost:** \$615,000**Local Lead:** County of Ventura

Performed various studies to evaluate the feasibility of removing Matilija Dam on the Ventura River to restore natural water and sediment flows, and provide access to upstream steelhead trout habitat.

**Ventura River Arundo Removal Project****Total Cost:** \$326,000**Local Lead:** Ventura County Resource Conservation District

Removed Arundo donax from a 5-acre parcel adjacent to the Ventura River and revegetated with native riparian species.

**Ormond Beach Edison Acquisition****Total Cost:** \$10,638,000**Local Lead:** Coastal Conservancy

Acquired approximately 265 acres of the Ormond Beach wetlands.

**Grimes Canyon Stream Restoration Project****Total Cost:** \$931,400**Local Lead:** RCD of Ventura County

Completed stream bank stabilization and revegetation project in Grimes Canyon, a tributary to the Santa Clara River.

**Los Angeles County****Solstice Creek Steelhead Enhancement Design Plans****Total Cost:** \$122,000**Local Lead:** RCD of the Santa Monica Mountains

Prepared engineering plans, permits, and environmental review documents for project to restore steelhead access to approximately 1.5 miles of Solstice Creek in the Santa Monica Mountains.

**La Sierra Riparian Acquisition****Total Cost:** \$1,868,500**Local Lead:** Mountains Restoration Trust

Acquired approximately 90 acres of wetland, riparian and upland habitat that support La Sierra Lake in the Malibu Creek watershed.

**Solstice Canyon Acquisitions****Total Cost:** \$2,570,000**Local Lead:** National Park Service

Acquired 117 acres of 325 target acres in the upper Solstice Canyon watershed of the Santa Monica Mountains to complete continuous parkland ownership between the upper and lower reaches of Solstice Creek.

**Solstice Creek Steelhead Access Implementation****Total Cost:** \$1,196,680**Local Lead:** City of Malibu

Removed existing box culvert fish passage barrier at the Corral Canyon Road crossing, and replaced it with a clear span bridge over Solstice Creek.

**Santa Monica Bay Watershed Acquisitions****Total Cost:** \$17,200,000**Local Lead:** Mountains Recreation Conservation Authority

Acquired two blocks of property to preserve 849 acres of wildlife and riparian habitat within the Santa Monica Mountains National Recreation Area and reaches of Corral Canyon Creek.

**Malibu Creek Arundo Removal Project****Total Cost:** \$358,400**Local Lead:** Mountains Restoration Trust

Cleared Arundo donax from approximately 5.2 miles of stream corridor along Malibu Creek.

**Malibu Lagoon Restoration and Enhancement Phase I****Total Cost:** \$1,925,000**Local Lead:** California Department of Parks and Recreation

Relocated and redesigned public parking and staging areas to maximize habitat restoration area in Phase 2 and improve water quality.

**Cross Creek Road Fish Passage****Total Cost:** \$1,200,000**Local Lead:** Malibu Coastal Land Conservancy

Replaced the Cross Creek Road Arizona crossing of Malibu Creek, which blocks steelhead passage, with a one-lane bridge.

**Cold Creek Riparian Acquisitions, Part 1****Total Cost:** \$1,950,000**Local Lead:** Mountains Restoration Trust

Acquired 71.5 acres of upland and riparian habitat along Cold Creek, a tributary to Malibu Creek.

**Tuna Canyon SEA Acquisition****Total Cost:** \$1,625,000**Local Lead:** Mountains Restoration Trust

Acquired approximately 417 acres of land at the lower end of Tuna Canyon to protect a perennial spring and well-developed riparian habitat.

**Upper Zuniga Road Acquisitions****Total Cost:** \$1,020,000**Local Lead:** Mountains Restoration Trust

Acquired approximately 120 acres in the upper Topanga watershed including Zuniga Pond, a man-made pond near Upper Zuniga Road in the Topanga Creek watershed to protect western pond turtle habitat, a state-listed species of special concern.

**Topanga Lagoon and Watershed Restoration Feasibility Study****Total Cost:** \$483,800**Local Lead:** RCD of the Santa Monica Mountains

Prepared feasibility studies needed to determine the potential for restoring some of the historic extent and function of Topanga Creek and Lagoon.

**Topanga Lagoon Restoration Technical Assessments****Total Cost:** \$310,000**Local Lead:** RCD of the Santa Monica Mountains

Completed technical assessments for restoration of Topanga Lagoon based on conceptual plan in Topanga Lagoon and Watershed Restoration Feasibility Study.

**Topanga Creek Restoration Program****Total Cost:** \$3,204,006**Local Lead:** Resource Conservation District of the Santa Monica Mountains

Removed Rodeo Grounds berm and restored riparian habitat in Topanga Creek.

**Ballona Wetlands Acquisition****Total Cost:** \$140,000,000**Local Lead:** Dept. of Fish and Game

Acquired from willing sellers properties within the Ballona Wetlands complex.

**Hazard Park Wetlands Restoration Concept Plan**

**Total Cost:** \$251,098

**Local Lead:** North East Trees

Conducted technical studies and detailed designs for restoration of one-half mile of creek corridor and enhancement of existing wetland habitat in Hazard Park in the City of Los Angeles.

**Coyote Creek Watershed Plan**

**Total Cost:** \$3,400,000

**Local Lead:** County of Orange

Prepared Watershed Management Plan for Coyote Creek, a tributary to the San Gabriel River.

**El Dorado Wetlands Restoration Plan**

**Total Cost:** \$100,000

**Local Lead:** City of Long Beach

Prepare a plan to restore up to 20 acres of wetlands at the confluence of the San Gabriel River and Coyote Creek, adjacent to the El Dorado Nature Park.

**Colorado Lagoon Restoration Project - Planning**

**Total Cost:** \$200,000

**Local Lead:** City of Long Beach

Developed a restoration plan for Colorado Lagoon, a 44-acre saltwater lagoon connected to Alamitos.

**Los Cerritos Wetlands Complex - Bryant Acquisition**

**Total Cost:** \$14,000,000

**Local Lead:** Los Cerritos Wetlands Authority

Acquired approximately 360 acres of the historic Los Cerritos Wetlands Complex, near the mouth of the San Gabriel River.

**Orange County****Bolsa Chica Wetlands Restoration**

**Total Cost:** \$144,000,000

**Local Lead:** Steering committee of 8 federal and state agencies.

Restored and enhanced approximately 367 acres to full tidal influence, improved muted tidal circulation to 200 acres, retained 120 acres of seasonal pond habitat, and reserved 252 acres for future restoration.

**East Garden Grove Wintersburg Channel Treatment**

**Total Cost:** \$175,000

**Wetland Feasibility Study Local Lead:** City of Huntington Beach

Conducted a feasibility study for diverting up to six million gallons per day from the East Garden Grove Wintersburg Channel into treatment wetlands in Huntington Beach Central Park.

**Huntington Beach Wetlands Restoration Plan**

**Total Cost:** \$350,000

**Local Lead:** Huntington Beach Wetlands Conservancy

Prepared a comprehensive restoration plan for the entire Huntington Beach Wetlands ecosystem.

**Huntington Beach Wetlands -- Piccirelli Acquisition**

**Total Cost:** \$1,693,066

**Local Lead:** Huntington Beach Wetlands Conservancy

Acquired 45 acres of the Huntington Beach wetlands located on either side of Magnolia Avenue.

**Huntington Beach Wetlands -- Edison Acquisition**

**Total Cost:** \$945,000

**Local Lead:** Huntington Beach Wetlands Conservancy

Acquired a 20 acre parcel of the Huntington Beach wetlands adjacent to the power plant.

**Huntington Beach Wetlands Brookhurst Marsh Acquisition**

**Total Cost:** \$865,000

**Local Lead:** Huntington Beach Wetlands Conservancy

Acquired the final 16.6 acres of Brookhurst Marsh wetlands at the Huntington Beach wetlands complex.

**Big Canyon Creek Restoration Plan**

**Total Cost:** \$304,000

**Local Lead:** Community Conservancy International

Prepared a restoration plan for Big Canyon Creek, a tributary to Upper Newport Bay.

**San Joaquin Marsh Enhancement - Phase I**

**Total Cost:** \$2,492,900

**Local Lead:** University of California, Irvine

Enhanced approximately 50 acres of existing freshwater marsh habitat on the San Joaquin Freshwater Marsh Reserve as part of an effort to restore the natural gradient found historically at Southern California coastal wetlands.

**Serrano Creek Stabilization and Restoration**

**Total Cost:** \$2,797,910

**Local Lead:** County of Orange

Stabilized and restored approximately 1.1 miles of Serrano Creek, a tributary to San Diego Creek and Upper Newport Bay.

**San Joaquin Marsh Enhancement - Phase II, Feasibility Study**

**Total Cost:** \$315,136

**Local Lead:** University of California, Irvine

Prepared a feasibility study, conducted environmental review, consulted with permitting agencies, and prepared final construction designs and contract documents for Phase II of San Joaquin Marsh restoration.

**Upper Newport Bay Ecological Restoration, Final Design**

**Total Cost:** \$2,000,000

**Local Lead:** County of Orange

Prepared final design and engineering plans for ACOE ecological restoration project that will dredge 2.1 million cubic yards of sediment from Upper Newport Bay.

**Upper Sulphur Creek Restoration Project**

**Total Cost:** \$1,385,780

**Local Lead:** City of Laguna Niguel

Restored up to 28 acres of wildlife habitat as native wetland, transitional and scrub plant communities along 1.7-miles of Upper Sulphur Creek, including removing 3600 feet of concrete channel.

## **San Diego County**

### **San Luis Rey River Arundo Removal**

**Total Cost:** \$8,403,500

**Local Lead:** Mission Resource Conservation District

Implemented a programmatic comprehensive, watershed based effort to remove Arundo donax from over 450 acres along the San Luis Rey River and its tributaries, working from the top of the watershed down.

### **Buena Vista Lagoon Restoration Plan, Feasibility Analysis**

**Total Cost:** \$688,000

**Local Lead:** Buena Vista Lagoon Foundation

Evaluated enhancement options for Buena Vista Lagoon, including the feasibility of establishing tidal flushing within the lagoon.

### **Buena Vista Creek Acquisition, Sherman Parcel**

**Total Cost:** \$9,500,000

**Local Lead:** County of San Diego

Acquired approximately 133.8 acres of land along Buena Vista Creek.

### **Caulerpa Taxifolia Eradication Program**

**Total Cost:** \$2,405,000

**Local Lead:** Agua Hedionda Lagoon Foundation

Surveyed and treated infestations of Caulerpa taxifolia in Agua Hedionda Lagoon to achieve full eradication.

### **Batiquitos Lagoon Mitsuchi Acquisition**

**Total Cost:** \$2,400,000

**Local Lead:** Batiquitos Lagoon Foundation

Acquired 18 acres comprising much of the remaining habitat surrounding the lagoon, including habitat used by endangered species.

### **Cottonwood Creek Park Riparian Restoration**

**Total Cost:** \$272,500

**Local Lead:** City of Encinitas

Recreated portions of riparian stream corridor on Cottonwood and Moonlight Creeks, in northern San Diego County.

### **San Elijo Lagoon Tidal Flushing Project**

**Total Cost:** \$2,300,000

**Local Lead:** San Elijo Lagoon Conservancy

Restored continuous tidal action to 415 acres of degraded salt marsh through creation of endowment to remove sand and cobble from the mouth of the lagoon on an ongoing basis.

### **San Elijo Lagoon Non-native Plant Management**

**Total Cost:** \$293,207

**Local Lead:** San Elijo Lagoon Conservancy

Developed and implemented a comprehensive removal and management plan for non- native, invasive plants found in the wetland and riparian habitats within the San Elijo Lagoon

**San Elijo Lagoon Exotics Removal****Total Cost:** \$73,000**Local Lead:** San Elijo Lagoon Conservancy

Removed exotic plants from approximately 2.4 acres along the southern edge of San Elijo Lagoon and replanted with native riparian and buffer species.

**Escondido Creek Watershed Restoration Action Strategy****Total Cost:** \$371,460**Local Lead:** San Elijo Lagoon Conservancy

Prepared an integrated Watershed Restoration Action Strategy for overall management and restoration of the Escondido Creek watershed, the drainage for San Elijo Lagoon.

**San Elijo Lagoon Preliminary Sediment Quality Assessment****Total Cost:** \$133,882**Local Lead:** San Elijo Lagoon Conservancy

Performed preliminary assessment of sediment quality and depositional environment of San Elijo Lagoon as the first step in a feasibility analysis of proposed dredging activities.

**San Elijo Lagoon Acquisition Program****Total Cost:** \$3,717,000**Local Lead:** San Elijo Lagoon Conservancy

Acquired up to 100 acres of property along the margins of San Elijo Lagoon.

**San Dieguito Lagoon Wetland Acquisition - Boudreau****Total Cost:** \$4,253,000**Local Lead:** San Dieguito River Park Joint Powers Authority

Acquired 75 acres within the floodplain of the San Dieguito River, located east of and immediately adjacent to the 400-acre San Dieguito Wetland Restoration Project.

**Los Peñasquitos Hydrology Study****Total Cost:** \$250,000**Local Lead:** Los Peñasquitos Lagoon Foundation

Prepared a hydrology and sedimentation study for the Los Peñasquitos Watershed and Lagoon system to characterize the sources and amounts of increased sediment loads and freshwater flows

**Famosa Slough Culvert Extension and Retrofit Design****Total Cost:** \$82,500**Local Lead:** City of San Diego

Prepared a feasibility study and design plans to reactivate an inoperable culvert between Famosa Channel and Famosa Slough to increase the tidal prism in the slough.

**Famosa Slough Culvert Replacement****Total Cost:** \$181,000**Local Lead:** Friends of Famosa Slough

Repaired a culvert at Famosa Slough to increase the tidal prism and yield an average of two additional horizontal feet in tidal inundation around the perimeter of the slough.

**Fenton Properties Acquisition****Total Cost:** \$3,000,000

Acquired approximately 100 acres of riparian habitat located along the Otay River from I-5 to the 805 highway.

**Tijuana River Valley Invasive Plant Control Program****Total Cost:** \$560,000**Local Lead:** Southwest Wetlands Interpretive Association

Developed a watershed-wide invasive plant control plan in the Tijuana River Valley, and implemented the first phase of exotics removal.

**Tijuana Model Marsh Restoration****Total Cost:** \$3,232,111**Local Lead:** Southwest Wetlands Interpretive Association

Restored approximately 20 acres of intertidal salt marsh by excavating approximately 135,000 cubic yards of sediment.

**Tijuana Estuary Tidal Restoration Program Phase II****Total Cost:** \$1,232,000**Local Lead:** Southwest Wetlands Interpretive Association

Completed the feasibility and design studies for a second phase of saltmarsh restoration at Border Field State Park in the south area of the Tijuana Estuary involving approximately 480 acres.

**Goat Canyon Enhancement Project, Final Design Plans****Total Cost:** \$1,344,800**Local Lead:** Southwest Wetlands Interpretive Association

Prepared final design and engineering plans and conducted environmental review for Goat Canyon Enhancement Project.

**Goat Canyon Enhancement Project****Total Cost:** \$8,405,700**Local Lead:** California Department of Parks and Recreation

Constructed sediment retention basins adjacent to the Goat Canyon drainage to reduce sediment flows to the southern arm of the Tijuana Estuary and restored riparian habitat in the project vicinity.

**WRP Technical Assistance and Program Administration****Total Cost:** \$1,869,783

Provided technical assistance to WRP Governing Board, Managers Group, and Science Advisory Panel to further the goals of the Wetlands Recovery Project.

**WRP Community Wetland Restoration Grant Program****Total Cost:** Varies by project.**Local Lead:** numerous

A total of 78 community-based wetland restoration projects have been completed since the beginning of this grant program in 2001. These projects are listed below organized by year of grant award and then geographically from north to south.

**2001 CWRGP PROJECTS****Refugio Creek Arundo Removal Project****CWRGP Cost:** \$9,500 **Total Cost:** \$9,500**Local Lead:** Land Trust of Santa Barbara County

Prepared an enhancement plan for removing Arundo donax from the Refugio Creek watershed in Santa Barbara County and replanting with native species.

**Carpinteria Creek Steelhead Barrier Project****CWRGP Cost:** \$17,825 **Total Cost:** \$22,825**Local Lead:** County of Santa Barbara

Completed planning for the removal of an Arizona Crossing and replacement with a span bridge on the Bliss Property reach of Carpinteria Creek.

**Goleta Slough Borgaro Parcel Transaction****CWRGP Cost:** \$10,000 **Total Cost:** \$10,000**Local Lead:** County of Santa Barbara

Transferred ownership a 0.2 acre riparian parcel along San Jose Creek in downtown Goleta to the County of Santa Barbara.

**Native Plant Nursery****CWRGP Cost:** \$30,000 **Total Cost:** Unknown**Local Lead:** Growing Solutions

Expanded a nonprofit nursery growing native riparian and wetlands plants from stock indigenous to specific sites and watersheds in Santa Barbara and Ventura Counties.

**Ventura River Watershed Monitoring Project****CWRGP Cost:** \$22,350 **Total Cost:** Unknown**Local Lead:** Santa Barbara ChannelKeeper

Funded a volunteer water quality monitoring program at 14 sites as part of the Ventura River Watershed Restoration project.

**Sespe Creek Interpretive Program****CWRGP Cost:** \$9,500 **Total Cost:** \$9,500**Local Lead:** Keep Sespe Wild Committee

Developed and installed interpretive kiosks along Sespe Creek to increase awareness about the arroyo toad, southern steelhead, and the Sespe watershed.

**Nicholas Canyon Creek Stream Restoration****CWRGP Cost:** \$30,000 **Total Cost:** \$30,000**Local Lead:** Ventura County CoastKeeper.

Removed invasive, non-native plants along the lower reach of Nicholas Canyon Creek and re-established native species.

**San Joaquin Marsh Interpretive Docks****CWRGP Cost:** \$30,000 **Total Cost:** \$30,000**Local Lead:** University of California, Irvine

Installed two movable floating docks in San Joaquin Freshwater Marsh Reserve for education programs related to the marsh restoration.

**Cottonwood Creek Enhancement****CWRGP Cost:** \$10,000 **Total Cost:** \$10,000**Local Lead:** Cottonwood Creek Conservancy

Removed invasive, non-native plants along the lower reach of Cottonwood Creek and re-established native species.

**Lopez Canyon Streambed Restoration****CWRGP Cost:** \$15,000 **Total Cost:** \$203,000**Local Lead:** City of San Diego

Prepared plans and permits for Lopez Canyon Stream Restoration Project, completed environmental review, initiated volunteer program for the project, and developed a public education program about the project.

**2002 CWRGP PROJECTS****Devereux Slough North Shore Restoration****CWRGP Cost:** \$28,820 **Total Cost:** \$41,020**Local Lead:** Santa Barbara Audubon Society

Removed non-native invasive plant species from a seasonal wetland and revegetated the salt marsh and willow woodland plant communities with native species.

**Goleta Slough High Marsh Restoration Project****CWRGP Cost:** \$21,000 **Total Cost:** \$124,000**Local Lead:** County of Santa Barbara

Restored and enhanced high marsh and slough margin habitat near the mouth of Goleta Slough.

**Creek Watchers-Latino Outreach****CWRGP Cost:** \$29,990 **Total Cost:** \$54,610**Local Lead:** Community Environmental Council

Conducted a volunteer water quality monitoring and watershed education program targeted for the local Latino community.

**Wildwood Creek Restoration Project****CWRGP Cost:** \$19,945 **Total Cost:** \$22,220**Local Lead:** Conejo Open Space Conservation Agency

Remove exotic species from Wildwood Creek and its tributaries including Washingtonia palms and Arundo donax.

**Nicholas Canyon Creek Stream Restoration****CWRGP Cost:** \$30,000 **Total Cost:** \$155,000**Local Lead:** Ventura CoastKeeper

Completed a demonstration project highlighting the effectiveness of volunteer community restoration of streambeds.

**Cold Creek Resource Enhancement Program****CWRGP Cost:** \$30,000 **Total Cost:** \$100,000**Local Lead:** Mountains Restoration Trust

Enhanced habitat conditions by informing the public of local environmental issues and high-priority restoration opportunities.

**Orange County Wetlands Map and Outreach****CWRGP Cost:** \$7,700 **Total Cost:** \$13,700**Local Lead:** Friends of Harbors, Beaches and Parks

Promoted wetlands recovery through the Orange County GreenMap producing effective graphic depictions of existing watersheds, wetlands and needs for recovery.

**Agua Hedionda Educational Signs****CWRGP Cost:** \$25,000 **Total Cost:** \$59,440**Local Lead:** Agua Hedionda Lagoon Foundation

Developed and constructed 12 educational signs for display around Agua Hedionda Lagoon.

**Dog Beach Wetland Restoration and Education****CWRGP Cost:** \$25,000 **Total Cost:** \$50,000**Local Lead:** Aquatic Adventures

Organized volunteer education and restoration events at the marsh which included removal of invasive plants and trash, restoration of unnecessary paths, and trail enhancement.

**Mission Valley Preserve Restoration****CWRGP Cost:** \$17,050 **Total Cost:** \$27,050**Local Lead:** San Diego River Park Foundation

Built community involvement and stewardship of the San Diego River through three community restoration events on approximately 3.2 acres.

**2003 CWRGP PROJECTS****Arroyo Burro Watershed Enhancement Project****CWRGP Cost:** \$10,000 **Total Cost:** \$31,888**Local Lead:** Santa Barbara County Weed Management Area

Removed pampas grass, Cortaderia selloana, from Elings Park in Santa Barbara.

**Creek Watchers Stream Team****CWRGP Cost:** \$15,000 **Total Cost:** \$67,925**Local Lead:** Santa Barbara ChannelKeeper

Educated volunteers about local watershed issues and trained them to collect water quality data in the Goleta Slough Watershed and the Arroyo Burro Creek Watershed.

**Piedra Blanca Stream Restoration and Youth Employment Program****CWRGP Cost:** \$22,540 **Total Cost:** \$158,840**Local Lead:** The CREW

Conducted stream bank environmental restoration over a 9.5 mile section adjacent to the Piedra Blanca Trail.

**Ormond Beach Wetlands Restoration****CWRGP Cost:** \$10,000 **Total Cost:** \$17,135**Local Lead:** Wishtoyo Foundation

Removed old abandoned automobiles, concrete pipe, debris, non-native vegetation and an illegally constructed paint ball battlefield on recently acquired habitat.

**Ballona Wetlands WOW Team****CWRGP Cost:** \$1,623 **Total Cost:** \$48,892**Local Lead:** Ballona Wetlands Foundation

Purchased “children friendly” binoculars to be utilized during guided field trips through the coastal marsh where they observe wildlife.

**Forrestal Nature Preserve Wetland Restoration****CWRGP Cost:** \$9,950 **Total Cost:** \$20,700**Local Lead:** Palos Verdes Peninsula Land Conservancy

Removed non-native plants from a riparian area on the Forrestal Nature Preserve,

**Stream Spirit Rising****CWRGP Cost:** \$30,000 **Total Cost:** \$67,890**Local Lead:** North East Trees

Created public support for the daylighting of the North Branch Creek through a watershed education and celebration effort.

**San Gabriel River Restoration at Whittier Narrows****CWRGP Cost:** \$6,500 **Total Cost:** \$10,700**Local Lead:** Whittier Narrows Nature Center Associates

Removed invasive plants and trash from a 40 acre area of the San Gabriel River using volunteers and “At Risk Youth” crews.

**Think River! Integrated Youth Watershed Education Program****CWRGP Cost:** \$14,375 **Total Cost:** \$206,550**Local Lead:** San Gabriel Mountains Regional Conservancy

Conducted a watershed education program for youth in the San Gabriel Valley regarding water supply and quality, plants and wildlife habitat, and other related watershed system elements.

**Miracles of a Marsh****CWRGP Cost:** \$9,910 **Total Cost:** \$20,500**Local Lead:** Bolsa Chica Land Trust

Conducted slide presentations at a school, tours of Bolsa Chica wetlands and mesas, and hands on planting of drought resistant plants.

**Bolsa Chica Ecological Reserve Trailside Habitat Restoration****CWRGP Cost:** \$9,900 **Total Cost:** \$29,900**Local Lead:** Bolsa Chica Conservancy

Enhanced visitor and student experiences at the wetlands through a restoration and wetlands enhancement program.

**Restoration of Native Habitat at Shipley Nature Center****CWRGP Cost:** \$15,000 **Total Cost:** \$39,000**Local Lead:** Friends of Shipley Nature Center

Replaced non-native vegetation with California native plants in the 18-acre Shipley Nature Center in Huntington Beach Central Park

**Go Wetlands – Restore Now for Tomorrow**

**CWRGP Cost:** \$13,123 **Total Cost:** \$32,951

**Local Lead:** Bataquitos Lagoon Foundation

Restored 1.72 acres of coastal sage scrub habitat with native plants and installed a rope-based trail access restriction fence.

**San Dieguito River Creekside Restoration**

**CWRGP Cost:** \$25,180 **Total Cost:** \$32,380

**Local Lead:** San Dieguito River Park Foundation

Removed an old farm dump from the river bank and restored the area with native plants using volunteer labor from a nearby local high school.

**Wetland Avengers, Restoration and Education**

**CWRGP Cost:** \$25,000 **Total Cost:** \$58,000

**Local Lead:** Aquatic Adventures

Held a large community event to mobilize volunteers to restore salt marsh and upland habitat in Sweetwater Marsh National Wildlife Refuge, followed with the planting of native species.

**2004 CWRGP PROJECTS**

**Coal Oil Point Reserve West Slough Margin Restoration**

**CWRGP Cost:** \$24,000 **Total Cost:** \$50,500

**Local Lead:** Community Environmental Council

Restored native plants at Devereux Slough, along 0.3 miles of the western slough margin.

**Goleta Slough Watershed Stream Walking Program**

**CWRGP Cost:** \$12,200 **Total Cost:** \$22,500

**Local Lead:** Santa Barbara Channelkeeper

Mapped and collected data at locations of ecological degradation throughout creeks of the Goleta Slough Watershed.

**North Fork Matilija Creek Watershed Restoration**

**CWRGP Cost:** \$29,000 **Total Cost:** \$21,500

**Local Lead:** The C.R.E.W.

CREW workforce of 85 predominantly disadvantaged youth restored a 3 to 4 mile reach of the North Fork Matilija Creek including debris and non-native plant removal.

**Ormond Beach Wetlands Restoration, Part 2**

**CWRGP Cost:** \$15,000 **Total Cost:** \$75,000

**Local Lead:** Wishtoyo Foundation

Removed invasive vegetation, specifically Pampas Grass, Myoporum, and Ice Plant at recently acquired habitat.

**Alhambra Wash Oasis Project**

**CWRGP Cost:** \$14,950 **Total Cost:** \$27,345

**Local Lead:** Amigos de los Rios

Organized "Conozca a su Vecino Natural - Know Your Natural Neighbor" community clean up and planting days to initiate restoration at the confluence of Alhambra Wash and the Rio Hondo.

**Los Angeles River Enhancement and Interpretive Signage**

**CWRGP Cost:** \$30,000 **Total Cost:** \$133,000

**Local Lead:** The River Project

Removed invasive, non-native plants and trees along the Los Angeles River in the westerly portion of the Sepulveda Basin and developed interpretive sign,

**Lunada Canyon Nature Preserve Wetlands Restoration**

**CWRGP Cost:** \$11,600 **Total Cost:** \$23,200

**Local Lead:** Palos Verdes Peninsula Land Conservancy

Removed non-native plants from a riparian area in the Lunada Canyon Nature Preserve.

**CBREP at Upper Newport Bay**

**CWRGP Cost:** \$16,800 **Total Cost:** \$23,900

**Local Lead:** Tides Center/Marine Education Project

Restored habitat for native wildlife at the Newport Valley project site at Upper Newport Bay,

**Laguna Creek Restoration and Outreach Project**

**CWRGP Cost:** \$25,000 **Total Cost:** \$66,000

**Local Lead:** SOCWC/City of Laguna

Organized restoration and education events to remove non-native species within the project area and replanted with native plants and shrubs.

**Tijuana Estuary Wetland Restoration**

**CWRGP Cost:** \$20,000 **Total Cost:** \$56,600

**Local Lead:** T. R. Nat Estuarine Research Reserve

Removed non-native vegetation from a two acre site in the northeastern most corner of the reserve.

**Mission Valley Preserve Enhancement Project**

**CWRGP Cost:** \$25,000 **Total Cost:** \$33,900

**Local Lead:** San Diego River Park Foundation

Removed 20 tons of trash from abandoned transient camps and 0.8 acres of non-native plants in a cottonwood-willow riparian corridor along the San Diego River. Installation 3 interpretive panels to promote community stewardship.

**2005 CWRGP PROJECTS**

**Camino Lindo Vernal Pool Restoration**

**CWRGP Cost:** \$21,950 **Total Cost:** \$63,150

**Local Lead:** Growing Solutions

Restored and enhanced a coastal vernal pool and associated uplands in Isla Vista.

**Mission Creek Fish Passage Improvement Project**

**CWRGP Cost:** \$25,700 **Total Cost:** \$42,639

**Local Lead:** Community Environmental Council

Modified an existing grade control structure acting as a fish barrier on Mission Creek at the Santa Barbara Museum of Natural History.

**Ventura River Confluence Preserve Invasive Plant Eradication**

**CWRGP Cost:** \$29,915 **Total Cost:** \$37,910

**Local Lead:** Ojai Valley Land Conservancy

Removed non-native plants from a 14 acre riparian corridor adjacent to the Ventura River in the Confluence Preserve.

**Stone Canyon Creek – Rediscovering a Natural Resource**

**CWRGP Cost:** \$29,700 **Total Cost:** \$45,200

**Local Lead:** UCLA

Restored a section of Stone Canyon Creek which runs through UCLA.

**Upper Salt Marsh Restoration at Bolsa Chica**

**CWRGP Cost:** \$17,800 **Total Cost:** \$55,700

**Local Lead:** Bolsa Chica Conservancy

Restore approximately one acre of coastal salt marsh and adjacent upland habitat on Little Mesa in the Bolsa Chica Ecological Reserve.

**Habitat Restoration at Thorton Park**

**CWRGP Cost:** \$25,000 **Total Cost:** \$116,200

**Local Lead:** City of Santa Ana

Restored wetland and riparian habitat at Carl Thorton Park located in Santa Ana.

**Bolsa Chica Coastal Sand Dunes Restoration Project**

**CWRGP Cost:** \$3,300 **Total Cost:** \$3,300

**Local Lead:** Bolsa Chica Land Trust

Remove non-native plant material and debris from coastal sand dunes habitat on the Bolsa Chica Ecological Reserve and restored the area with native plants.

**Chollas Creek Wetlands Recovery and Student Stream Restoration Team**

**CWRGP Cost:** \$28,000 **Total Cost:** \$95,000

**Local Lead:** Urban Corps

Restored 1 acre of coastal stream corridor.

**Wetland Avengers / Campeones de los Canones**

**CWRGP Cost:** \$30,000 **Total Cost:** \$28,000

**Local Lead:** Aquatic Adventures

Restored stream corridor and salt marsh habitat through the mobilization and education of a non-traditional environmental constituency by engaging San Diego and Tijuana youth and adults in a bi-national restoration event.

**2006 CWRGP PROJECTS**

**Arroyo Hondo Preserve West Riparian Corridor Sediment Control and Restoration**

**CWRGP Cost:** \$4,600 **Total Cost:** \$8,000

**Local Lead:** Land Trust for Santa Barbara County

Restored 0.25 acres of habitat using biotechnical soil stabilization techniques and invasives removal in the western riparian corridor of Arroyo Hondo Creek at the Arroyo Hondo Preserve.

**Storke Ranch Vernal Pool Restoration**

CWGRP Cost: \$24,900 **Total Cost:** \$74,000

**Local Lead:** Community Environmental Council

Excavated to restore two vernal pools, inoculated pools with material from established pools, removed weeds, planted native plants around the edges of the pools, and restored a portion of the buffer area with coastal scrub and oak woodland species.

**West Storke Wetland Enhancement Project**

CWGRP Cost: \$24,000 **Total Cost:** \$41,000

**Local Lead:** University of California

Removed spoil piles from within the wetland and restored heavily invaded wetland edges with native transitional species.

**Ventura River Preserve - Rice Creek Realignment and Restoration**

CWGRP Cost: \$30,000 **Total Cost:** \$54,000

**Local Lead:** Ojai Valley Land Conservancy

Removed *Arundo donax* from 4.99-acres of Rice Creek.

**Bolsa Chica Pocket Wetlands Restoration**

CWGRP Cost: \$10,807 **Total Cost:** \$14,587

**Local Lead:** Bolsa Chica Land Trust

Restore an approximately one-acre site in the historic pocket wetlands at Bolsa Chica.

**Restoration of marsh/coastal strand interface at south Bolsa Chica Ecological Reserve**

CWGRP Cost: \$18,700 **Total Cost:** \$40,600

**Local Lead:** Orange County Conservation Corps

Restored approximately 4.5 acres of the marsh-coastal strand interface at the southern end of Bolsa Chica.

**San Dieguito North Bank Restoration**

CWGRP Cost: \$19,350 **Total Cost:** \$27,250

**Local Lead:** San Dieguito River Valley Conservancy

Restored 2.0 acres of disturbed wetland and upland by removing non-native vegetation and replanting with native salt marsh and coastal sage scrub species.

**Stevenson Canyon Wetlands Restoration Project**

CWGRP Cost: \$26,000 **Total Cost:** \$28,500

**Local Lead:** Sierra Club - SD Chapter

Remove invasive plants and planted native species, restoring 7/10s acre of riparian stream corridor and 3/10s acre upland buffer area in Stevenson Canyon.

**2007 CWRGP PROJECTS****Important Bird Area Enhancement-Coal Oil Point Reserve**

**CWRGP Cost:** \$9,500 **Total Cost:** \$16,700

**Local Lead:** SB Audubon

Improved nesting and roosting habitat for sensitive shorebirds and estuary birds through habitat restoration near the mouth of the Devereux Slough.

**Toro Canyon Cape ivy control and riparian restoration**

**CWRGP Cost:** \$30,000 **Total Cost:** \$61,000

**Local Lead:** Santa Barbara Botanic Garden

Restored habitat in the Toro Canyon watershed by eradicating invasive plants from eight acres of riparian woodland along Garrapata Creek and revegetating the site with native riparian species.

**Ojai Meadows Preserve Vernal Pool Restoration**

**CWRGP Cost:** \$20,000 **Total Cost:** \$51,900

**Local Lead:** Ojai Valley Land Conservancy

Restored a vernal wetland within a previously weed infested 1.5-acre field.

**Ormond Pointe Native Plant Nursery and Restoration Project**

**CWRGP Cost:** \$10,000 **Total Cost:** \$15,000

**Local Lead:** CNPS

Removed non-native plants at the Ormond Beach Wetlands project site and restored the area with appropriate native plants

**Pioneer Park Wetlands Restoration**

**CWRGP Cost:** \$20,000 **Total Cost:** \$48,000

**Local Lead:** Carden Academy

Removed non-native invasive plants and the restored native plants at the project site.

**Orange Coast River Park Native Plant Propagation Nursery**

**CWRGP Cost:** \$30,000 **Total Cost:** \$67,600

**Local Lead:** FHBP

Constructed and supplied a Native Plant Propagation Nursery that will provide a permanent native plant supply for the Orange Coast River Park ecosystem.

**Mangrove Removal at the Northern Wildlife Preserve**

**CWRGP Cost:** \$29,600 **Total Cost:** \$46,000

**Local Lead:** San Diego Audubon Society

Enhanced 1.2 acres of low-to-high salt marsh habitat through the eradication of invasive mangrove plants.

**Changing Historical Perceptions through Infrastructure Removal, Education and Restoration**

**CWRGP Cost:** \$21,235 **Total Cost:** \$109,745

**Local Lead:** San Elijo Lagoon Conservancy

Removed an old sewage treatment facility from within the San Elijo Lagoon State Ecological Reserve and restored critical buffers by removing invasive plant species and revegetating with native plant species.

**City and Stream**

**CWRGP Cost:** \$30,000 **Total Cost:** \$91,113

**Local Lead:** Groundwork Chollas

Revegetated a section of coastal canyon wetland with volunteer residents and students.

**2008 CWRGP PROJECTS**

**Santa Cruz Island-Canada Del Puerto Creek Restoration and Education Project**

**CWRGP Cost:** \$26,400 **Total Cost:** \$42,480

**Local Lead:** Growing Solutions

Implemented a restoration project on the banks of Canada Del Puerto on Santa Cruz Island.

**Once Upon a Watershed****CWRGP Cost:** \$28,400 **Total Cost:** \$66,400**Local Lead:** Ojai Valley Land Conservancy

Conducted on-the-ground (hands-on) restoration activities including native planting, invasive plant removal and creek, estuary and beach cleanups within the Ventura River watershed.

**Colorado Lagoons Champions Curriculum****CWRGP Cost:** \$29,800 **Total Cost:** \$43,900**Local Lead:** Friends of Colorado Lagoon

Removed ice plant and salvaged native salt marsh plants, by initiating a community-oriented program focused on service learning and supported by the City of Long Beach.

**Big Canyon Bluffs Restoration****CWRGP Cost:** \$22,824 **Total Cost:** \$27,330**Local Lead:** Newport Bay Naturalists and Friends

Removed non-native, invasive species from the bluffs area immediately upslope from the Big Canyon Creek Restoration Project.

**Starr Ranch Sanctuary Riparian Invasive Weed Removal****CWRGP Cost:** \$28,400 **Total Cost:** \$83,800**Local Lead:** Audubon California (Starr Ranch Sanctuary)

Removed invasive non-native plants, mainly Vinca major, from the riparian corridor along Bell Creek to improve habitat for native fauna.

**Oak Restoration Service Learning Project****CWRGP Cost:** \$2,000 **Total Cost:** \$3,000**Local Lead:** Back to Natives Restoration

Completed a service learning project to restore Oak Woodland to Caspers Wilderness Park.