

## Attachment 2

### Southern California Wetlands Recovery Project Completed Projects

**Goat Canyon Enhancement Project, Final Design Plans** Total Cost: \$1,344,800

**Local Lead:** Southwest Wetlands Interpretive Association

Prepare final design and engineering plans and conduct environmental review for Goat Canyon Enhancement Project.

**Tijuana Model Marsh Restoration** Total Cost: \$3,232,111

**Local Lead:** Southwest Wetlands Interpretive Association

Restore approximately 20 acres of intertidal salt marsh by excavating approximately 135,000 cubic

**Tijuana River Valley Invasive Plant Control Program** Total Cost: \$560,000

**Local Lead:** Southwest Wetlands Interpretive Association

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

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

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

**Famosa Slough Culvert Extension and Retrofit Design** Total Cost: \$82,500

**Local Lead:** City of San Diego

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

**Los Penasquitos Hydrology Study** Total Cost: \$250,000

**Local Lead:** Los Penasquitos Lagoon Foundation

Prepare 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

**San Dieguito Lagoon Wetland Acquisition - Boudreau** Total Cost: \$4,253,000

**Local Lead:** San Dieguito River Park Joint Powers Authority

Acquire 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.

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

**Local Lead:** San Elijo Lagoon Conservancy

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

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

**Local Lead:** San Elijo Lagoon Conservancy

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

**Escondido Creek Watershed Restoration Action Strategy** Total Cost: \$371,460

**Local Lead:** San Elijo Lagoon Conservancy

Prepare 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 Exotics Removal** Total Cost: \$73,000

**Local Lead:** San Elijo Lagoon Conservancy

Remove exotics plants from approximately 2.4 acres along the southern edge of San Elijo Lagoon and revegetate with native riparian and buffer species.

**San Elijo Lagoon Non-native Plant Management** Total Cost: \$293,207

**Local Lead:** San Elijo Lagoon Conservancy

The project will develop and implement 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 Tidal Flushing Project** Total Cost: \$2,300,000

**Local Lead:** San Elijo Lagoon Conservancy

Restore 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.

**Cottonwood Creek Park Riparian Restoration** Total Cost: \$272,500

**Local Lead:** City of Encinitas

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

**Caulerpa Taxifolia Eradication Program** Total Cost: \$2,405,000

**Local Lead:** Agua Hedionda Lagoon Foundation

Survey for, identify and treat infestations of *Caulerpa taxifolia* in Agua Hedionda Lagoon to achieve full eradication.

**Buena Vista Creek Acquisition, Sherman Parcel** Total Cost: \$9,500,000

**Local Lead:** County of San Diego

Acquire approximately 133.8 acres of land along Buena Vista Creek.

**Buena Vista Lagoon Restoration Plan, Feasibility Analysis** Total Cost: \$688,000

**Local Lead:** Buena Vista Lagoon Foundation

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

**San Luis Rey River Arundo Removal** Total Cost: \$8,403,500

**Local Lead:** Mission Resource Conservation District

The Mission RCD's Weed Management program is a 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.

**Upper Sulphur Creek Restoration Project** Total Cost: \$1,385,780

**Local Lead:** City of Laguna Niguel

Restore 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.

**Upper Newport Bay Ecological Restoration, Final Design** Total Cost: \$2,000,000

**Local Lead:** County of Orange

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

**San Joaquin Marsh Enhancement - Phase II, Feasibility Study** Total Cost: \$315,136

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

Prepare a feasibility study, conduct environmental review, consult with permitting agencies, and prepare final construction designs and contract documents for Phase II of San Joaquin Marsh

**Serrano Creek Stabilization and Restoration** Total Cost: \$2,797,910

**Local Lead:** County of Orange

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

**San Joaquin Marsh Enhancement - Phase I** Total Cost: \$2,492,900

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

Enhance 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.

**Big Canyon Creek Restoration Plan** Total Cost: \$304,000

**Local Lead:** Community Conservancy International

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

**Huntington Beach Wetlands -- Piccirelli Acquisition** Total Cost: \$1,693,066

**Local Lead:** Huntington Beach Wetlands Conservancy

Acquire 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

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

**Huntington Beach Wetlands Restoration Plan** Total Cost: \$350,000

**Local Lead:** Huntington Beach Wetlands Conservancy

Prepare a comprehensive restoration plan for the entire Huntington Beach Wetlands ecosystems.

**East Garden Grove Wintersburg Channel Treatment** Total Cost: \$175,000

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

Conduct 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.

**Bolsa Chica Wetlands Restoration** Total Cost: \$144,000,000

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

Restore and enhance approximately 367 acres to full tidal influence, improve muted tidal circulation to 200 acres, retain 120 acres of seasonal pond habitat, and reserve 252 acres for future

**Los Cerritos Wetlands Complex - Bryant Acquisition** Total Cost: \$14,000,000

**Local Lead:** Los Cerritos Wetlands Authority

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

**Colorado Lagoon Restoration Project - Planning** Total Cost: \$200,000

**Local Lead:** City of Long Beach

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

**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.

**Coyote Creek Watershed Plan** Total Cost: \$3,400,000

**Local Lead:** County of Orange

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

**Hazard Park Wetlands Restoration Concept Plan** Total Cost: \$251,098

**Local Lead:** North East Trees

Conduct 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.

**Ballona Wetlands Acquisition** Total Cost: \$140,000,000

**Local Lead:** Dept. of Fish and Game

Acquire from willing sellers properties within the Ballona Wetlands complex.

**Topanga Lagoon Restoration Technical Assessments** Total Cost: \$310,000

**Local Lead:** RCD of the Santa Monica Mountains

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

**Topanga Lagoon and Watershed Restoration Feasibility Study** Total Cost: \$483,800

**Local Lead:** RCD of the Santa Monica Mountains

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

**Upper Zuniga Road Acquisitions** Total Cost: \$1,020,000

**Local Lead:** Mountains Restoration Trust

Acquire approximately 120 acres in the upper Topanga watershed including Zuniga Pond, 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.

**Tuna Canyon SEA Acquisition** Total Cost: \$1,625,000

**Local Lead:** Mountains Restoration Trust

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

**Cold Creek Riparian Acquisitions, Part 1** Total Cost: \$1,950,000

**Local Lead:** Mountains Restoration Trust

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

**Cross Creek Road Fish Passage** Total Cost: \$1,200,000

**Local Lead:** Malibu Coastal Land Conservancy

Replace the Cross Creek Road arizona crossing of Malibu Creek which blocks steelhead passage with a one-lane bridge.

**Malibu Creek Arundo Removal Project** Total Cost: \$358,400

**Local Lead:** Mountains Restoration Trust

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

**Solstice Creek Steelhead Enhancement Design Plans** Total Cost: \$122,000

**Local Lead:** RCD of the Santa Monica Mountains

Prepare 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

**Grimes Canyon Stream Restoration Project** Total Cost: \$931,400

**Local Lead:** RCD of Ventura County

Complete stream bank stabilization and revegetation project in Grimes Canyon, a tributary to

**Ormond Beach Edison Acquisition** Total Cost: \$10,638,000

**Local Lead:** Coastal Conservancy

Acquisition of approximately 265 acres of the Ormond Beach wetlands.

**Matilija Dam Evaluation Project** Total Cost: \$615,000

**Local Lead:** County of Ventura

Perform 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.

**Matilija Dam Removal Feasibility Study** Total Cost: \$5,150,000

**Local Lead:** Bureau of Reclamation

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

**Carpinteria Creek Arundo Removal Project** Total Cost: \$197,430

**Local Lead:** Santa Barbara Agricultural Commissioner

This project will remove the non-native invasive weed, Arundo donax, from the bed, banks, and overbanks of Carpinteria Creek and its tributaries.

**Carpinteria Salt Marsh, Basin 1 Enhancement Plan** Total Cost: \$100,000

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

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

**Mission Creek Museum Area Restoration Plan** Total Cost: \$148,000

**Local Lead:** Community Environmental Council

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

**Santa Barbara Urban Streams and Wetlands Restoration** Total Cost: \$322,000

**Local Lead:** Community Environmental Council

Implementation of the San Jose Creek Restoration Plan and preparation of an enhancement plan for four Santa Barbara County watersheds.

**Summerland/Greenwell Preserve Restoration** Total Cost: \$181,827

**Local Lead:** Summerland Greenwell Preserve

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

**Arroyo Burro Estuary and Mesa Creek Restoration** Total Cost: \$1,089,000

**Local Lead:** City of Santa Barbara

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

**Goleta Slough Tidal Restoration Study** Total Cost: \$308,000

**Local Lead:** Santa Barbara Municipal Airport

The objective of the Goleta Slough Tidal Restoration Study is to obtain experimental data that can adequately address the FAA's concerns and resolve the bird-strike issue.

**UCSB Campus Lagoon Enhancement Planning** Total Cost: \$132,285

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

**Devereux Slough/Ellwood Mesa Regional Plan** Total Cost: \$844,450

**Local Lead:** County of Santa Barbara

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

**Arroyo Hondo Ranch Acquisition** Total Cost: \$6,176,000

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

Acquire 778 acres of riparian and grassland habitat along Arroyo Hondo Creek on the Gaviota

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

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