

2005 - Projects Funded by the CALFED Watershed Program

Project Applicant	Project Title	Award Amount	Program Region	Description
Amigos De Los Rios	The Emerald Necklace	\$169,032	So. CA	The Emerald Necklace is a 70-mile, 1500-acre network of parks and trails that connects over 500,000 residents to natural resources from the Los Angeles National Forest to the Pacific Ocean along urban rivers and streams in the San Gabriel Valley. The project will build the local capacity of the communities to implement projects of multiple benefit to the diverse stakeholders in the area. The Emerald Necklace Coalition is a direct response to public demand for sustainable watershed planning, which provides communities highly impacted by urban environmental degradation with access to both natural systems and recreational opportunities. The result will be involvement of local government including county public works, local cities, the Army Corps of Engineers, school districts, At-Risk Youth Corps and others to implement the Emerald Necklace and improve the water supply and environment and create healthy cities.
Arroyo Seco Foundation	Arroyo Seco, Watershed Sustainability	\$391,380	So. CA	The Arroyo Seco Watershed Sustainability Campaign is a comprehensive program to improve the reliability and management of local water resources in a key Southern CA watershed, a CALFED Program objective. It brings together agencies, organizations, and residents in a coordinated watershed management campaign to reduce local reliance on imported water and to improve water quality for people and the environment.
Bureau Of Land Management	Bear Creek Watershed Assessment, Planning, and Technology Transfer	\$257,742	Sacramento Valley	This project expands the capacity for watershed coordination for assessment, strategic prioritization, and planning projects for improving water quality, hydrological function, and habitat restoration for the watershed of Bear Creek in Colusa County. Bear Creek is a 303(d) impaired stream and has a mercury TMDL limit. The project includes data collection for key watershed elements, facilitation services to assist the Bear Creek stakeholders to produce a watershed assessment, prioritize and strategize needed projects for restoration, remediation, and repair, and produce a coordinated resource management plan for the Bear Creek watershed, technical assistance and support from staff of the Bureau of Land Management for NEPA / CEQA documentation, GIS data layer creation, and natural resources data, workshops on erosion control, and design of a pilot monitoring plan for Bear Creek to demonstrate effectiveness in performance of watershed restoration projects and measuring progress toward meeting TMDL standards for mercury.

Cache Creek Conservancy	Invasive Control, Capacity Building and Broadening Partnerships on Cache Creek	\$400,000	Sacramento Valley	<p>This project will expand the scope of Cache Creek Conservancy's highly effective program to control tamarisk and Arundo donax from Capay Dam to the Settling Basin where Cache Creek enters the Yolo Bypass. This project is a partnership between the Conservancy, Yolo Co. Flood Control & Water Conservation District (District), US Fish and Wildlife Service, Yolo County (County) and local land owners and managers to effectively control tamarisk and Arundo in the project area, monitor water quality and water quantity effects of the project, and to provide specific information to others who would implement similar programs. This Phase Two proposal expands the Conservancy's stewardship effort to include Yolo County Flood Control & Water Conservation District, a water supply agency that utilizes the creek, and Yolo County's Planning, Resources, and Public Works Dept. which oversees the Cache Creek Resources Management Plan. We are particularly pleased to have US Fish & Wildlife Service as a project partner that will help assess special status species avoidance measures and provide training for crews and liaison with local stakeholders.</p>
California Resource Connections, Inc.	Inland Empire Sustainable Watershed	\$399,976	So. CA	<p>The Inland Empire Sustainable Watershed Program empowers local communities as effective watershed stewards to re-establish sustainable ecological function to the Upper Santa Ana River Watershed. California Resource Connections, Inc. will build regional capacity for community-based watershed management by reaching out to residents, students, municipalities, resource agencies, businesses, land developers, and other stakeholders that impact watershed function in their daily activities. A Upper Santa Ana River Watershed Management Opportunities Atlas and Green Map will be developed including a watershed assessment identifying opportunities to improve watershed functioning including a gap analysis of existing water and land use plans in the region. A Model Ordinance Program will assess existing ordinances and general plan elements for obstacles that prevent implementation of watershed principles. And two teacher education workshops will be conducted that provide hands-on curriculum training and classroom materials.</p>

City Of Folsom, Dept. of Public Works	Alder Creek Watershed Planning	\$399,375	Sacramento Valley	The project is using an interest-based stakeholder-driven approach to conduct a watershed assessment and prepare a watershed management plan for the 11-square mile Alder Creek Watershed in Sacramento County. It will establish a stakeholder advisory team, building on early collaborations of some of the stakeholders in 2002-03 (Alder Creek Coalition) that will help ensure joint ownership of a feasible, implementable management plan and long-term sustainability, define interests, develop goals and a common vision for Alder Creek Watershed management amongst all the stakeholders using an interest-based process, and conduct and complete a watershed assessment and watershed management plan that identifies specific protection/restoration/ enhancement activities within each reach and an implementation strategy (schedule and roles/responsibilities).
Colusa County Resource Conservation District	Colusa Basin Watershed Assessment And Capacity Building	\$399,808	Sacramento Valley	The Colusa County Resource Conservation District (CCRCD) has identified a critical need and is very committed to obtaining a comprehensive watershed assessment for the Colusa Basin Watershed (CBW) and building its capacity to coordinate watershed management activities among a wide range of stakeholders. This project will complete the watershed assessment and hire a Watershed Coordinator who will facilitate the development of the assessment and will act as an advocate for watershed planning and stewardship within the community.
Glenn County Resource Conservation District	Stony Creek Watershed Plan	\$400,000	Sacramento Valley	The Stony Creek Watershed Restoration Plan project will develop a Watershed Restoration Plan and continue outreach and education to private landowners and local, state and federal government agencies. This project is the next step in addressing private landowner and government interests in the Stony Creek Watershed and in implementing goals, objectives and strategies outlined in the <i>Lower Stony Creek Watershed Strategy and Stewardship Plan</i> (2000) and the <i>Lower Stony Creek Fish, Wildlife, and Water Use Management Plan</i> (1998).
Grassland Water District	The Grassland Stewardship Plan	\$391,017	San Joaquin Valley	The Grassland Water District (District) will complete the first phase of a three-phase comprehensive Grassland Stewardship Plan (GSP). The GSP area is comprised primarily of the Grasslands Ecological Area (GEA) in the vicinity of Los Baños in Merced County. The area is bisected by the San Joaquin River, a 303(d)-listed waterway under the Clean Water Act, which ultimately drains to the Sacramento Delta. The GSP area is a highly complex geophysical and geopolitical landscape that includes state and federal wildlife refuges, lands protected by various conservation easements, and private lands in agricultural, hunting and other uses. It is an ecosystem/working landscape at risk from increasing development pressures, water quality concerns, and demands on limited water resources. This project will complete Phase I, Strategic Planning and Capacity Building which will result in a Draft Findings and Strategic Plan for the full GSP.

Kids for the Bay	Salmonid Action Program	\$150,000	Bay	KIDS for the BAY's Salmonid Watershed Action Program will provide watershed education to 900 fourth grade students and 30 teachers. It will 1) teach children about the concept of a watershed and about their own local watershed and how it is linked to the San Francisco Bay-Delta water system; 2) engage students in restoration projects to improve Codornices Creek as a habitat for Steelhead Trout and other species' survival; 3) empower students to take personal action to reduce their impact on Codornices Creek and its Steelhead population and 4) train teachers to provide quality watershed education.
Napa County Resource Conservation District	Water For Fish And Farms (WFF)	\$362,813	Sacramento Valley	Water for Fish and Farms (WFF) will improve the ability of local land and water management practitioners to make informed decisions about the timing and use of water diverted from streams that support steelhead and/or Chinook salmon through formation and coordination of a technical and community advisory committee; installation and operation of real-time telemetric stream gauging stations in selected tributaries of the Napa River; information dissemination to land/water management practitioners and others; and use of hydraulic modeling and fisheries modeling and monitoring to test hypotheses regarding stream flow and water use. The goals of WFF are to improve the timing of water withdrawals in selected tributaries of the Napa River to benefit steelhead and/or Chinook salmon without negatively impacting water users and to provide greater scientific understanding about the relationships between water use and stream flow.
Natural Heritage Institute	Forgotten Shoreline	\$347,252	Bay	The Forgotten Shoreline Project will 1) assess the ecological condition of the tidal and sub-tidal region of the North Richmond Shoreline and use this information, along with local community input, to draft a Conservation Vision and Restoration Plan, 2) build capacity through a "Shoreline Academy" that will inform local, financially disadvantaged communities of ecological conditions and teach locals to monitor their tidal marshes and mudflats, and 3) implement a pilot native oyster restoration on the North Richmond mudflats.
Natural Heritage Institute	Marsh Creek Watershed Restoration And Outreach Program	\$400,000	Bay	The project will increase the community capacity for watershed management in the Marsh Creek watershed, conduct watershed education activities, engage in watershed-level planning efforts, and implement restoration projects to reduce sediment and polluted run-off entering the Bay-Delta. The result will be enhanced conditions for native species, improved ecological function, and restoration of hundreds of acres of habitat from Mt. Diablo to the Delta Islands.

Nevada County Superintendent of Schools	Bridging Schools And Communities In Yuba River Watershed	\$154,708	Sacramento Valley	The <i>Bridge Project</i> will increase the capacity for community-based watershed management by crossing county lines to link students and educators in schools with CALFED and other community watershed projects in the Yuba River Watershed. By dovetailing with state academic content standards, the project will provide an educational model that can be reproduced in any California watershed. It will also serve to inform the development of the <i>Education and the Environment Model Curriculum</i> by the California Environmental Protection Agency, California Integrated Waste Management Board, California Department of Education, and others. Through project activities, educators, students, and their families will better understand the workings of watersheds, how they are managed, and the importance of stewardship within a community.
North Cal-Neva Resource Conservation And Development Council	Pit River Alliance Watershed Management Strategy Development Program	\$399,676	Sacramento Valley	The Pit River Watershed Alliance (PRWA) proposes a Watershed Management Strategy Development Program (SDP) to develop a Watershed Management Strategy (WMS) for the Upper Pit River. This program will be supported by vigorous watershed education efforts through the The River Center in Alturas, focused on informing the stakeholders of the watershed about the need for, and process of, development of the WMS. A comprehensive K-12 Watershed Education Program will also be conducted by local stakeholders in cooperation with Modoc National Wildlife Refuge and Adopt-a-Watershed. The proposed project will deliver a Watershed Management Strategy document, supported by extensive public outreach relating to the purpose and need for the WMS. The proposed project will also deliver a comprehensive K-12 Watershed Education Program that will improve the effectiveness and sustainability of ongoing education efforts. These two programs will support each other by introducing school students to the civic process of WMS development.
Sacramento River Watershed Program	Sacramento River Watershed Information Module	\$400,000	Sacramento Valley	The Sacramento River Watershed Program (SRWP) has worked for years to develop a centralized watershed information center so its stakeholders and the public can have easy access to watershed information. With the increasing prominence of the Internet, and recognizing the size and importance of the Sacramento River watershed, the SRWP realized that it should make its website be a virtual watershed center using its website as a central access point to watershed-related documents and information. This would be the most effective way to communicate and provide watershed information to its stakeholders and the public. Through a virtual watershed center, information can be easily accessed and shared between watershed groups, agencies, educators, researchers, community leaders and decision makers.

Sacramento Urban Creeks Council	Upper Laguna Creek Collaborative	\$399,700	Delta	This project focuses on planning and capacity building for local watershed management in the Upper Laguna Creek Watershed. The Upper Laguna Creek Collaborative (ULCC) planning process will soon complete Phase I and II of a four-phase process designed to orient future urban development away from common practices that impact local streams and water quality and toward mutually beneficial outcomes for multiple stakeholders and the environment. This inclusive process has brought together developers, scientists, citizens, landowners, regulators and representatives from every department in the County of Sacramento and the cities of Rancho Cordova, Elk Grove and Sacramento that engages in some aspect of local land use planning. The Laguna Creek Watershed Council (LCWC) adds a critical voice representing the interests of watershed residents.
Sonoma Ecology Center	Watershed Health Scorecards For Better Watershed Management	\$336,083	Program-wide	This project will create a template scorecard of multimetric indices that describe watershed status and trends over time, focusing on water availability and sustainability for human and ecosystem needs. The project will produce scorecards based on local data for the Sonoma Creek and the Napa River watersheds. The project is creating methodologies for numerous watersheds in the Bay-Delta region.
South Yuba River Citizens League	Yuba Watershed Assessment, Visioning and Restoration Strategy	\$371,000	Sacramento Valley	The South Yuba River Citizens League (SYRCL) will convene and implement an integrative Yuba Watershed Assessment, Visioning and Restoration Strategy. The project aims to increase local capacity for watershed protection and restoration by providing watershed managers with an integrated watershed assessment that results in a highly useful tool to better inform future adaptive management questions and engaging broader local input into watershed management through public education tools and the creation of forums for public involvement. While a number of project-specific stakeholder groups exist in the Yuba River basin, what has been lacking to date is a management vision for the watershed based on a common understanding of watershed processes, risks, and opportunities. The Yuba Strategy seeks to create the local capacity to develop and implement a unified management plan to pursue the future conservation and restoration of the Yuba River watershed.

Sustainable Conservation	Overcoming The Liability Stalemate In Abandoned Mine Clean-Up	\$50,000	Program-wide	The Mount Diablo Mercury Mine is a large, abandoned mercury mine located on the northeast side of Mount Diablo in Contra Costa County, in the Marsh Creek watershed. The mine lies on Dunn Creek, a small tributary of Marsh Creek, located on private property and nearly completely surrounded by the Mount Diablo State Park. The SWRCB has identified the entire length of Marsh Creek as an impaired water body for mercury and heavy metals under Section 303(d) of the Clean Water Act. A previous comprehensive assessment of mercury contamination established that downstream mercury loading was not consistent with a generalized watershed source (i.e. natural mercury deposits) and that the mine itself was shown to constitute the overwhelming, ongoing source of mercury to the Marsh Creek watershed (Slotton et al. 1996). This project seeks to overcome the liability regulatory hurdle through a collaborative effort that will engage multiple local watershed groups and management agencies and regulatory agencies at the federal, state, and local level to develop a "liability-limiting" agreement that will enable Contra Costa County Flood Control District to proceed with remediation work at the Mount Diablo Mercury Mine.
Sutter County Resource Conservation District	Lower Feather River Huc/Honcut Creek Watershed Assessment Project	\$399,929	Sacramento Valley	The Sutter County Resource Conservation District (SCRCD), Yuba County Resource Conservation District (YCRCD), Butte County Resource Conservation District (BCRCD) and the City of Yuba City (City) propose to establish a new and unique partnership that merges urban and rural communities to identify and address natural resource concerns through an assessment of the Lower Feather River Hydrologic Unit Code (HUC #18020106) and the Honcut Creek watersheds. The assessment is part of an overall program that will include landowner based outreach and education, and promote an integrated program between urban and rural communities.
Tehama County Resource Conservation District	Tehama East Watershed Assessment	\$398,401	Sacramento Valley	The proposed project consists of completing a watershed assessment and watershed management plan. The watersheds of concern are the eastside tributaries to the Sacramento River located within Tehama County that are not under the purview of a watershed conservancy or other watershed group. The general project area covers that portion of Tehama County between the watershed of the South Fork of Battle Creek to the north and the Pine Creek watershed to the south. The specific watersheds to be included in this project are Inks Creek, Paynes Creek, Seven Mile Creek, Salt Creek, Antelope Creek, Dye Creek, Toomes Creek and Pine Creek. This is an area of approximately 540 square miles (344,336 acres) consisting of both public and private lands. The management plan portion of the watershed assessment will provide strategies to solve local environmental and resource problems identified through the assessment process. The plan will also develop specific projects to implement these solution strategies.

Tuolumne River Preservation Trust	Tuolumne River Outdoor Classroom	\$201,378	San Joaquin Valley	The Tuolumne River Outdoor Classroom increases watershed management capacity in the lower Tuolumne River watershed by implementing a watershed education curriculum and involving elementary students, parents, and teachers in hands-on restoration activities and implementation of projects detailed in the <i>Framework for the Future of the Lower Tuolumne River (Framework)</i> and the <i>Habitat Restoration Plan for the Lower Tuolumne River (Restoration Plan)</i> . The project increases awareness and directly engages the community in efforts to improve the ecological condition of the Tuolumne's riparian habitat and water quality. Overall, the project will improve the basic knowledge of watershed dynamics and conditions, and create experiential and emotional connections to the Tuolumne River within the community.
University of California, Davis	Assessment of Restoration Activities at the Indian Creek Watershed	\$399,714	Sacramento Valley	Restoration projects and monitoring programs have been actively implemented in this watershed, a tributary to the Feather River, since 1985. The project will answer the question of how completed upland restoration projects in the Indian Creek watershed affect downstream hydrologic and environmental conditions in the Indian Valley and the East Branch of the North Fork of the Feather River. The Watershed Environmental Hydrology Model (WHEY) and monitoring will be used to assess cumulative impacts of restoration activities and identify additional opportunities for actions to improve stream and groundwater flows, stream temperature impairments and ecosystem improvements.
University of the Pacific	Assessment of Riparian Wetlands As Buffer Zones For Water Quality In The San Joaquin River	\$399,980	San Joaquin Valley	Non-point source (NPS) surface-water return-flows are being measured at more than thirty monitoring locations (sites) on the San Joaquin River (SJR) between Vernalis and Lander Avenue. These sites are an integral component of watershed assessment and planning activities in the region. It is assumed that the surface-water flows passing through the monitoring sites discharge directly into the SJR. However, recent analysis demonstrated that some stations do not actually connect directly to the SJR but rather enter oxbows, ponds and wetlands that may be physically isolated from the main channel of the river. The project includes Buffer Zone Identification & Characterization. and will conduct a survey of the current NPS flow and WQ sampling locations on the San Joaquin River between Vernalis and Lander Avenue and determine which sites directly discharge to the SJR and which discharge to riparian buffer zones, and a detailed scientific investigation of the buffer zones with the objective of determining what WQ changes may be occurring in the buffer zone and the relationship between the WQ measured at the sample sites and the WQ of the flow actually entering the SJR.

US Fish and Wildlife Service and CALFED Non-Native Invasive Species Program	Watershed Symposiums On Non-Native Invasive Species In CALFED Area	\$61,700	Program-wide	Non-native invasive species (NIS) can affect watershed health in a variety of ways including increasing erosion, increasing flood risk, decreasing habitat for native species and decreasing water quality. Many watersheds have identified problems with controlling or eradicating NIS. While there are many resources available on eradication and control methods, much of the specific information on what has worked and what has not remains unavailable to a wide audience. The project will develop and organize three workshops for watershed groups to help share contact information, management tools, and ideas for next steps in managing NIS and training on a risk assessment method (Hazard Analysis and Critical Control Point Planning) that can be used to help reduce the risk of introducing or spreading NIS during watershed activities.
West Lake Resource Conservation District	Upper Cache Creek Assessment And Management Planning Project	\$400,000	Sacramento Valley	The purpose of this project is to initiate, update, and/or complete three watershed assessments on the Middle Creek, Scotts Creek, and Kelsey Creek watersheds, update the Clear Lake Basin Management Plan from its draft form to a finished document, and increase stewardship capacity in the Upper Cache Creek Watershed. The planning and assessment phases of the project are inter-related and will provide the tools the stakeholders will use to comply with current and pending Total Maximum Daily Load requirements for Clear Lake. This gained knowledge will assist the stakeholders to address known and unknown problems in their watersheds. The capacity building component will assist the Upper Cache Creek Watershed's numerous sub-watershed groups to operate in an integrated manner. This will allow for improved communications and information exchange, expansion of fund raising activities, and membership recruitment.
Western Shasta Resource Conservation District	Shasta West Watershed Management Plan	\$111,070	Sacramento Valley	The Shasta West Watershed Management Plan is the logical next step for the Shasta West Watershed Management Group and its agency/stakeholder Technical Advisory Committee in identifying and prioritizing on-the-ground projects to restore and enhance the natural resources in the watershed. The group completed the Shasta West Watershed Assessment in June 2005 using a CALFED grant. The assessment identified 46 separate issues, 31 data gaps, and 49 action items in areas ranging from geology, hydrology, water quality, botanical resources, fish and wildlife resources, and fire and fuels management. Shasta West is a group of smaller watersheds (Middle, Rock, Oregon Gulch, Canyon, Salt, Olney, Jenny, Calaboose Creeks and Linden Channel), each a 'source water' tributary to the Sacramento River below Keswick Dam, in which residential development is rapidly encroaching on the west side of Redding in Shasta County. Together these smaller watersheds encompass ~30,000 acres and 29 tributary miles of habitat.