

CALFED WATERSHED FUNDED PROJECTS 2006-2007

Project Applicant	Project Title	Award Amount	Program Region	Description
Alameda County Resource Conservation District	Alameda Creek Watershed Conservation Strategy	\$338,850	Bay	This project will develop a watershed conservation strategy for Alameda Creek that will also provide a natural resource functional assessment on a watershed level. The strategy will focus attention and funding to enhance and protect these resource values and functions. The assessment will provide conservation information to regulatory agencies and other organizations to ensure that approved mitigation is conducted to support the broader resource base and interrelated ecosystems while protecting individual habitats.
American Rivers	Marsh Creek Fish Passage	\$123,850	Bay	This project will restore access to approximately seven miles of Marsh and Sand Creeks in eastern Contra Costa County by constructing a fish ladder at the Marsh Creek drop structure in Brentwood. The project will benefit fall run Chinook salmon by restoring access to seven miles of stream including over two miles of good spawning habitat. A recent study found that this reach of Marsh Creek contains abundant and suitably sized gravels for salmonid spawning. The project will help ensure that future Marsh Creek and Sand Creek restoration and management activities take into consideration fish passage. This could eventually add access to another 15 miles of stream and perennial cold-water pools for salmonid runs.
Butte County	Watershed Modeling and Education Project	\$531,691	Sacramento Valley	This project will use a physically-based model to estimate the annual runoff over a range of precipitation years from the Big Chico Creek, Little Chico Creek, Butte Creek and Cherokee Creek Watersheds into the groundwater aquifer systems of Butte County, which is proposed for increased pumping in order to substitute for surface water supplied to the Sacramento Valley Water Management Agreement. The Lower Tuscan groundwater aquifer is envisioned as one groundwater source for the program. The recharge estimate provided by this project will inform the inputs to the Butte Basin Groundwater Model and contribute to better management of the aquifer to protect local water supply reliability as the aquifer contributes to statewide reliability needs.
Butte County Resource Conservation District	Butte Creek Watershed Plan Implementation	\$402,000	Sacramento Valley	This project will implement erosion prevention measures at 40 sites along approximately 9 miles of road, undertake community outreach and water quality and conduct site monitoring in the Upper Butte Creek watershed. The goal of this project is to reduce the erosion and sedimentation in order to enhance and protect the water quality and spawning beds for the recovering native anadromous fish populations. Butte Creek is one of the most productive spring run salmon streams in the Sacramento Valley. The creek has rebounded from extremely low returns in the 1980's to record numbers of spawning fish (15,000 to 20,000) in recent years.

El Dorado County Resource Conservation District	Watershed Education Summit	\$50,000	Sacramento Valley	The El Dorado RCD will host the Watershed Education Summit (WES) which will provide a regional opportunity for aquatic ecosystem education encompassing a watershed approach. WES participants, students, teachers, and professional biologists and hydrologists, will work and learn together during an annual four-day camping trip. Participants will collect data on the physical and biological characteristics of four streams in the Eldorado National Forest using Region 5 Stream Condition Inventory protocol techniques. This summit continues a valuable service-learning program for the past 8 years - involving students from five high schools, Folsom Lake College, and local tribal youth from the Indian Education Alliance.
Fall River Resource Conservation District (FRRCD)	Fall River - Hat Creek - Burney Creek Watershed Plan	\$259,644	Sacramento Valley	This project will develop a watershed assessment for the Fall River, Hat Creek and Burney (Fall-Hat-Burney) Creek watersheds, which drain three tributary valleys to the Pit River. Though some assessment work for the area has been accomplished, this project will consolidate and integrate these previous studies. The surrounding watersheds include large tracts of commercial timberland and National Forest lands. The communities of Burney, McArthur, Hat Creek and Old Station are the primary centers of population, although rural residential uses are widely dispersed throughout the area. The assessment process will inform the communities and include them in the process. A Technical Advisory Committee will provide oversight for the development and review of the Fall-Hat-Burney Watershed Management Plan.
Inyo National Forest	Upper San Joaquin / Inyo Watershed Assessment	\$98,600	San Joaquin Valley	This project will undertake an assessment for the Upper San Joaquin River watershed, a large watershed 70% of which is wilderness and is almost entirely in Federal ownership. The assessment will use the California Watershed Assessment Framework and will also try to determine how stream flow, water storage and water quality have been affected by human influences and identify any priority locations for management actions. The assessment will focus attention on the region's hydrology/geomorphology, chemical/ physical characteristics, and ecological processes and will help improve the understanding of the interrelated processing occurring in the San Joaquin River.
Los Angeles & San Gabriel Rivers Watershed Council	Sun Valley Neighborhood Retrofit Demonstration	\$860,797	So. CA	This neighborhood project will demonstrate an integrated, comprehensive approach to resource management by retrofitting a residential street with Best Management Practices to address runoff, pollution reduction, and flooding, while promoting water conservation and enhancing urban wildlife habitat. Sun Valley is the location due to its highly urbanized nature, which lacks adequate infrastructure to manage runoff. The project includes planting native and drought-tolerant landscapes, facilities to capture runoff for infiltration and/or reuse, increasing pervious area, and adding green space and habitat areas. This demonstration is part of the Los Angeles Basin Water Augmentation Study, a long-term research project led by the Los Angeles & San Gabriel Rivers Watershed Council, to explore the potential for increasing local water supplies and reducing urban runoff pollution by increasing infiltration of storm water runoff.

Los Angeles & San Gabriel Rivers Watershed Council	Ecosystem Values of Watersheds in Southern California	\$390,893	So. CA	Restoring Southern Californian watershed processes can provide ecological and social benefits both within the region and to the Delta. The goal of this project is to describe ecosystem services and social and economic conditions for Southern California watersheds using indicators with a focus on connecting both to reduced water imports. This project will set the stage for evaluating the success of CALFED investment in water management plans in this heavily urban region that houses over one-third of the state's population. The Watershed Assessment Framework will be utilized in measuring and reporting on the ecosystem and socio-economic benefits and conditions in Southern California watersheds.
Madera County Resource Management Agency	Fresno River Watershed Assessment	\$400,000	San Joaquin Valley	This project will undertake a watershed assessment for the Fresno River – the project will gather existing data, fill in critical data gaps and conduct analysis of data and assessment of the watershed to identify the watershed functions and processes that are most compromised by current activities and most at risk from expected future development. The project will emphasize public information, broad stakeholder participation and technical involvement of relevant agencies, group and institutions. Through these efforts we will broaden the participation of relevant agencies, clarify leadership and responsibilities, and build a constituency for sustainable watershed management from the bottom up and the top down.
Marin County Department of Public Works	Marin County Watershed Management Plan	\$148,000	Bay	The project will update the Marin County Watershed Management Plan drafted in 2004 by the Marin County Community Development Agency. The draft 2004 plan provided a framework for watershed management planning but focused primarily on drainages to the Pacific Ocean and Tomales Bay. The expanded assessment will include watersheds draining to San Pablo and San Francisco Bay and will support the development of multiple benefit projects and update several chapters to reflect the integration of new regulatory requirements including local and State policies for storm water quality and creek protection. This plan will also include a process to work directly with community stewardship groups and other state and federal agencies. The plan will use a community-based approach that supports stakeholder participation.
Napa County	Watershed Assessment Framework	\$394,000	Sacramento Valley	The project will test the application of the Watershed Assessment Framework in a stakeholder setting as a way to report watershed conditions (social, economic, and environmental) within the North Bay and Delta, using the Napa River as the focus/pilot watershed. The project will describe how to develop a multi-metric index based on categorized metrics and indicators and how to link the index to land-use and economic models. The framework provides a structured mechanism for reporting on the ecosystem services and socio-economic benefits/conditions in the North Bay-Delta region.
Placer County Planning - Legacy Program	American Basin Watershed Restoration Project	\$484,175	Sacramento Valley	This project will broaden participation and build new collaborations in the American River Basin. The project will undertake various actions designed to assist in restoring, protecting and managing diverse habitat types representative of the Bay-Delta system and its watershed. It includes three elements including fish passage improvement on two dams in the Auburn Ravine, invasive red sesbania management and removal, and an on-farm riparian restoration project which will restore four wetlands, install biotechnical bank stabilization and riparian planting along Coon Creek, and construct a setback levee.

Public Education Enrichment Fund	Bridging Schools and Communities in CABY River Watersheds	\$299,111	Sacramento Valley	The CABY Bridge Project increases the capacity of watershed management efforts in the CALFED and northern Sierra foothills regions by adding County Offices of Education, school districts, schools, and their communities to partnerships identified in the Cosumnes, American, Bear, Yuba Integrated Regional Water Management Plan. The project includes community engagement, teacher training, student educational and stewardship activities, and outreach. A Community Collaboration Team will be established in each of the four CABY watersheds that work together to establish and support high-quality watershed education in local schools.
Sacramento River Watershed Program	Sacramento River Watershed Health Indicator Report (WHIR)	\$400,000	Sacramento Valley	This project will develop watershed health indicators following the California Watershed Assessment Framework. The project will produce a refined menu of watershed health indicators that, when applied to a specific sub-watershed, will be customized to report on local issues using the data that is actually collected for that area. The project will also produce a watershed condition report on the sub-watershed at several reporting levels from a simple reporting product targeting the general public to a more technical reporting product communicating watershed conditions to resource managers. Results from the sub-watershed exercise will be compared to one or more watersheds within the Sacramento River Basin to identify differences in data availability and resource issues and determine how that affects the ability to use WHI across the entire Sacramento River Basin.
San Francisco Estuary Project	Application of the Watershed Assessment Framework as a Tool for Integrating and Communicating Watershed Health Indicators for the San Francisco Estuary	\$400,000	Bay	The project leverages ongoing data assessment and indicator development programs, active regional and local watershed management efforts, and the expertise and existing collaborations among the project partners to compile and update the regional understanding of watershed conditions according to the Watershed Assessment Framework (WAF), and develop informative candidate indicators and indices based on the information at a regional scale. The project will identify quantitative regional goals or targets and use the WAF to test how well the candidate indicators can represent change in the watershed conditions.
San Joaquin County Resource Conservation District	Continuing Education, Outreach, Restoration, and Monitoring in the Lower Mokelumne River Watershed	\$949,629	San Joaquin Valley	This project will implement previously identified elements in the Lower Mokelumne River watershed Stewardship Plan. This project will integrate several ongoing activities by a variety of agencies and interests in the watershed into one project, coordinated by the RCD. The components include high school education, public education and riparian restoration. Lodi's Storm Drain Detective program for high school students and incorporate the city's clean-a-curb NPS pollution reduction program with the storm drain program and other educational efforts. Public outreach will include the installation of Interpretive panels at the city's Lodi Lake Park Discovery Center, development of a brochure using Mokelumne River artwork and the continuation of the Lodi Lake Docents educational program. The project also includes a restoration component that will focus on reestablishing riparian habitat. Elderberry bushes will be planted to create habitat for the Valley Elderberry Longhorn Beetle. River Partners will conduct the riparian restoration.

Sierra Resource Conservation District	Upper San Joaquin / Sierra Watershed Assessment	\$399,784	San Joaquin Valley	This project will establish an information clearinghouse with various organizations and agencies that are involved in watershed activities within the upper San Joaquin River basin. A watershed council will be formed which will build upon a number of significant separate – yet interrelated programs to include watershed assessment, identification of existing/planned field assessments; gap analysis; education and outreach; and identification of existing and planned monitoring and restoration activities. An education and outreach plan will be developed with the active engagement of academia and students - including a partnership with the California Water Institute at CSU- Fresno and the San Joaquin River Stewardship Program at the Fresno County Office of Education.
Sierra Nevada Alliance	Valuing Watersheds: Process and Perception in CALFED Waters	\$363,800	Program-wide	The project will build a socioeconomic indicator framework for watershed partnerships in California who use the watershed approach, by using Mariposa County (Upper Merced and Chowchilla Rivers) as a local case example. Both of these watersheds serve as headwaters for the San Joaquin system. By focusing on one local area, the project will be able to evaluate, test and analyze social and economic indicators, ultimately determining which indicators provide the most meaningful assessment. The chosen indicators can then be incorporated into the socioeconomic indicator category of the Watershed Assessment Framework (WAF).
Solano County Water Agency	Lower Putah Creek Winters Area Riparian Restoration Projects	\$536,490	Sacramento Valley	This project will install a 15-foot wide native vegetation hedgerow along three miles of south bank of Lower Putah Creek on the southern boundary of the City of Winters in Yolo County. The hedgerow will enhance the continuity of the wildlife migration corridor, deter unauthorized vehicle access, deter illegal dumping and beautify the most visible reach of Putah Creek. Rock vanes will also be installed and native vegetation hedgerow and oak woodland plantings will occur on both banks. The project will engage community volunteers in at least 15 events involving site preparation, plant propagation, planting, installing drip systems, monitoring and maintenance including wildlife monitoring. The project will document the response of birds and insects to new habitat in what are now ecological sinks.
Solano Resource Conservation District	Creating a Laurel and Ledge wood Creek Assessment and Watershed Plan	\$345,950	Sacramento Valley	This project will develop an assessment and management plan for the Laurel and Ledge wood Creek watersheds in Solano County that drain into Suisun Bay. It will provide baseline information for watershed improvement projects, which will ultimately support ongoing restoration efforts within Suisun Marsh. The project will develop a Technical Advisory Committee, who will oversee the completion of a watershed assessment examining sediment load and transportation, land use and biotic conditions in the two watersheds, and develop a definition of what desirable watershed conditions might be. A stakeholder-based watershed management plan will be developed that restores and protects the Laurel and Ledge wood Creek watersheds, focusing on sediment reduction, reduction of diazinon input, and improved watershed function.

The Foundation for CSU, San Bernardino Water Resources Institute	Lytle Creek Watershed Assessment and Restoration Program	\$264,500	Program-wide	The Lytle Creek Watershed Action Project builds the local capacity to preserve and restore watershed balance in a Disadvantaged Community in the upper Santa Ana watershed in San Bernadino County. The project will improve water supply reliability by coordinating supplies derived from the delta with local supplies in Lytle Creek watershed that are interdependent of the delta and improves the efficient use of these waters. A "Lytle is Vital" Watershed Stewardship Program, a Water Quality and Biotic Monitoring and Natural Disturbance Regimes Program and an Environmental Justice Program are the primary components. The project serves as a starting point for sustained activities to preserve local water supplies while protecting a valued recreation area and the unique ecosystem. Elements of the implementation program were developed by an assessment of the watershed undertaken by participants in the 2006 CALFED Watershed Partnership Seminar Program.
Tuolumne River Preservation Trust	Clavey River Ecosystem Project	\$256,140	San Joaquin Valley	The Clavey Watershed Plan will build on the recently completed Clavey Watershed Assessment and will be guiding document for future Clavey watershed management. The Watershed Plan will identify and develop top priority projects that will move the watershed towards agreed-upon desired conditions. The outcome of the project will be a blueprint for implementation of projects that will protect and restore the Clavey Watershed, while providing multiple ecosystem and community benefits. The Watershed Plan will be developed through a robust collaborative stakeholder process. The Clavey River CREP Steering Committee, which has led the Watershed Assessment, will expand into a larger governing Watershed Council to develop the Watershed Plan. The project will also implement three demonstration projects; two interpretive display projects and a trail rehabilitation project.
Upper Putah Creek Stewardship	A Comprehensive Assessment of the Upper Putah Creek Watershed	\$400,000	Sacramento Valley	This project includes three components including: a) the development of a comprehensive watershed assessment of the Upper Putah Creek watershed; b) water quality field monitoring; and c) community involvement and education. The assessment will examine surface and subsurface water balances and water quality (in terms of sediment, nutrient, mercury loads / concentrations, and water temperature both for the historical critical dry period, wet period and for current conditions. The project will set up a field monitoring network to provide data on for a number of watershed attributes and locations. The data will be used to assess current environmental and water balance conditions at the monitored locations and used for calibration ad validation of the WEHY model. In addition, the project will provide hands-on environmental education for the communities on issues that affect our water resources as well as to enhance partnerships with state, local agencies, tribal government, community, local schools and others.

Upper Sacramento River Exchange	Upper Sacramento River Watershed Assessment and Management Strategy Development	\$400,000	Sacramento Valley	This project will develop a watershed assessment and management strategy for the Upper Sacramento River Watershed, both of which will be produced through a collaborative, stakeholder-based process led by a Steering Committee. The major work of the assessment will be to compile, update, analyze and interpret existing watershed data in order to complete an inventory of the conditions, functions and processes of the watershed, and to compare that inventory to desired conditions functions and processes. The main focus of the Assessment will be determined by the Steering Committee during the Assessment design process. A Management Strategy will also be developed and it will build upon the Assessment by designing non-regulatory management approaches for the watershed that will move the watershed toward sustainability. Both the Assessment and Management Strategy processes will have a strong public outreach and education component that will be designed to broaden community involvement in the project, and to promote long-term watershed management sustainability.
Urban Relief	Ettie Street Watershed Evaluation	\$280,000	Bay	This project will build off of the recently completed Ettie Street Watershed Research Project in Oakland to determine the socio-economic, environmental and environmental justice benefits from using a watershed approach. The project objectives are to evaluate the social-economic impact of the watershed approach on the project area and to document environmental justice issues revealed working with the watershed community.
Yolo County Resource Conservation District	Cache Creek Geomorphic Assessment and Local Youth Monitoring in Capay Valley	\$388,895	Sacramento Valley	This project will conduct a hydrologic-geomorphic-focused assessment of the Capay Valley reach of Lower Cache Creek, Yolo County to address both the causes and consequences of bank erosion. Cache Creek experiences large fluctuations in water flow, contributing to streambank erosion and downstream sedimentation. The assessment process will help provide a framework for the development of a watershed education program--the Yolo STREAM Project--for local middle school students that will provide field-based training in the collection, interpretation and reporting of watershed conditions. The project will also examine the underlying causes of the channel instability and will produce a strategy to prioritize sites for stabilization and restoration.