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July  
2003

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State Water Resources Control Board  
Division of Financial Assistance

**WATERSHED PROTECTION PROGRAM**

**GOVERNOR'S  
BIENNIAL  
REPORT**

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No. 1  
July 2003  
State Water Resources Control Board

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**Winston H. Hickox**  
*Secretary for  
Environmental  
Protection*

# State Water Resources Control Board

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## ***PREFACE***

*Pursuant to Chapter 6, Article 2, Section 79083(b) of the Costa-Machado Water Act of 2000 (Proposition 13), the State Water Resources Control Board is required to prepare and submit a biennial report to the Governor describing the implementation of the Watershed Protection Program. This biennial report provides the required discussion relating to the extent to which the purposes of Section 79077 of Article 2, described herein, are being furthered by the implementation of the Watershed Protection Program.*

**Celeste Cantú**  
*Executive Director*

## **WATERSHED PROTECTION PROGRAM BIENNIAL REPORT TO THE GOVERNOR**

Pursuant to Chapter 6, Article 2, Section 79083 (b) of the Costa-Machado Water Act of 2000 (Proposition 13), the State Water Resources Control Board (SWRCB) is required to prepare and submit to you a biennial report regarding the implementation of the Watershed Protection Program. This biennial report provides the required discussion relating to the extent to which the purposes of Section 79077 of Article 2, described below, are being furthered by the implementation of the Watershed Protection Program.

Section 79077 of Article 2 states that its purpose is providing funds to assist in implementing watershed plans to:

- reduce flooding;
- control erosion;
- improve water quality;
- improve aquatic and terrestrial species habitats;
- restore natural systems of groundwater recharge, native vegetation, water flows, and riparian zones;
- restore the beneficial uses of waters of the state in watersheds; and
- provide matching funds for federal grant programs.

Table 1 presents the projects that have been approved for funding or have funds encumbered. There is also a brief description of each project which details its purpose related to Section 79077 of this article. The listed capital outlay projects are being implemented in accordance with a watershed management plan.

We have completed two competitive grant cycles (Phase I and II) under the Proposition 13 Watershed Protection Program. We are currently administering our third and final cycle of funding for competitive grants (Phase III). In addition, we have executed contracts for the four set-aside projects specifically identified in the statute. In the first cycle of grants, funding was primarily committed to the development of local watershed management plans. These plans are watershed specific, identify strategies to achieve ecologically stable watersheds, and identify projects for future implementation. These planning projects have not yet resulted in completed projects. Phase II funding was primarily committed to implement projects, consistent with local watershed management and regional water quality control plans. Phase III projects will be selected to achieve the balance between capital outlay and planning, and the distribution by county defined in the statute. Until these projects are fully implemented, and performance data received, we cannot specifically report on the extent to which the purposes of Section 79077 are being furthered. Table 1 provides information, however, on the specific projects approved to address Proposition 13 goals.

There are currently 83 projects that have been awarded \$37,699,717. Of the 83 projects, there are 43 capital outlay projects totaling \$28,455,833. The remaining 40 projects are

watershed management studies and planning projects totaling \$9,243,884. Included in these totals is \$7,817,628 that has been allocated to CALFED Watershed Program Projects. The bulk of the funding in the third (current) cycle will be committed to capital outlay projects to achieve the 85% allocation directed in the statute.

Table 2 presents a summary of the projects sorted by regional water quality control board (region) in the first and second phases of funding cycles. Figure 1 shows the regional boundaries. Table 2 also identifies the number of CALFED Watershed Program projects and the set-aside projects. Data from the third phase of funding are not currently available. In the first phase, 37 projects were funded for a total of \$9,282,089. As described above, the majority of these were funding for watershed management plans and studies. In the second phase, 42 projects were funded for a total of \$18,417,628. All of the projects funded during the second phase, were also qualified as small communities with financial hardships.

We are continuing to execute contracts for the listed projects which have been selected for funding. As these contracts are developed, more information and detail regarding the scopes of work will become available. Reporting and monitoring of the projects' status and effectiveness are required as project deliverables in the contracts. When this data is transmitted to the SWRCB, we will be able to collect information regarding the implementation of the Watershed Protection Program. At that time we will be able to more specifically report on the extent to which the purposes of Section 79077 are being furthered.

The California Environmental Protection Agency (Cal/EPA) and the Resources Agency signed a Memorandum of Understanding (MOU) on April 28, 2003 which establishes a framework for coordinating and integrating watershed programs to more effectively manage California's environmental resources. The goals of the MOU are to 1) improve coordination and integration of watershed policies, funding and program implementation, and 2) provide advice to the Agency Secretaries in awarding grants for local watershed plans and projects to benefit local watershed management efforts. To achieve those goals, the California Watershed Council (CWC) is being established as the forum to provide recommendations for implementing the MOU. The CWC will be a partnership of executive level representatives of State Agencies, the public, regional, and local watershed groups, interested federal and local government agencies, tribal nations, water management organizations, and other organizations. A major focus of the CWC in the first year will be evaluation of funding programs for coordination and integration. The CWC will provide recommendations to the Secretary of Cal/EPA for criteria for the SWRCB's Watershed Protection grant programs.

Future reports will contain additional discussion regarding project implementation, performance, and program effectiveness. In addition, information detailing the number of contracts executed and those projects that have been completed will also be available. Should you have any questions or need additional assistance, please call Barbara Evoy, Chief of the Division of Financial Assistance, at (916) 341-5632.

**Table 1**  
**Watershed Protection Program**  
**Phase I, II and Set-Aside Project Descriptions**

Project #	Applicant	Project Title	Project Description	Watershed Plan/Study	Capital Outlay Project
01-038	Plumas Corporation	Sulphur Creek Watershed Assessment and Restoration Strategy	This project is to conduct a watershed assessment for Sulphur Creek Watershed, develop a prioritized list of restoration actions, and establish a watershed monitoring program.	177,006	
01-056	San Francisquito Creek Joint Powers Authority	San Francisquito Creek Watershed Analysis and Sediment Reduction Plan	This project is to assess existing and historical conditions and generate a final San Francisquito Creek Watershed Analysis and Sediment Reduction Plan.	200,000	
01-058	Big Bear Municipal Water District	Big Bear Lake Watershed Restoration Plan	This project is to evaluate alternative technologies for reducing and controlling nutrient contamination in Big Bear Lake.	200,000	
01-055	Los Angeles County Department of Public Works	Dominguez Channel Watershed Management Master Plan	This project is to develop a comprehensive watershed management plan for the Dominguez Channel through a collaborative stakeholder process.	200,000	
01-014	County of Orange Public Facilities and Resources Department	Reconstruction of Sediment Basin & Weir in Lower San Diego Creek	This project is to reconstruct a sediment basin and weir in Lower San Diego Creek to reduce annual sediment loading to Newport Bay by 50 percent.		816,250
01-132	Siskiyou Resource Conservation District	French Creek Riparian Protection and Enhancement	This project is to install and/or implement various management measures along 4 miles of French Creek including fencing, gates, grazing management, plantings, and two minor channel modifications.	84,250	
01-130	Siskiyou Resource Conservation District	Scott River Watershed Planning and Assessment	This project is to perform a watershed assessment and develop the Scott River Strategic Action Plan.	185,621	
01-326	Mendocino County Resource Conservation District	Bluewaterhole Road Sediment Reduction Project	This project is to reduce sediment in the area of Bluewaterhole Road and share improved methods of road reconstruction technology by incorporating a hands-on workshop. The reconstruction methods will be implemented at 11 sites and over 30 stream crossings.		72,760
01-323	San Diego County Flood Control District	Santa Margarita Watershed Management Plan	This project is to develop a Watershed Management Plan for the Santa Margarita River, one of the largest rivers draining the southern California coastal plain. The Watershed Management Plan will provide information for the development of tools for information management, public education, research management and other beneficial uses.	200,000	
01-322	Carmel River Watershed Conservancy	Carmel River Watershed Management Plan	This project is to complete a comprehensive community-based watershed assessment and management plan and to educate stakeholders and interested parties about natural resource conditions and concerns in the Carmel River Watershed.	197,892	
01-300	San Diego County Flood Control District	Tijuana River Watershed Management Plan	This project is to develop the Tijuana River Watershed Management Plan for a region that lies astride the California-Baja California border.	200,000	
01-093	Mattole Restoration Council	Mattole Good Roads, Clear Creek Program	This project is to inventory current data and create a Watershed Assessment Report along with an Implementation Plan for future use.	197,145	
01-384	Contra Costa County, Community Development Dept.	Contra Costa County Watersheds Inventory and Creeks Restoration Strategy	This project is to develop a Contra Costa County Watershed Atlas and Creek Restoration Strategy and educate the community on water quality issues.	80,000	
01-207	Cachuma Resource Conservation District	San Antonio Creek Coordinated Resource Management Plan (CRMP)	This is a locally-led project to develop a resource management plan that will provide guidance for all land use activities in the watershed.	200,000	
01-284	San Gabriel Valley Council of Governments	Rio Hondo River Watershed Management Plan	This project is to develop the Rio Hondo River Watershed Management Plan. The Rio Hondo River links the San Gabriel River and Los Angeles River watersheds.	200,000	
01-281	North East Trees	Arroyo Seco Watershed Management and Restoration Plan	This project is to develop a watershed management and restoration plan that is part of a larger planning effort to integrate the rehabilitation of natural systems and processes within the watershed.	200,000	

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Watershed Protection Program  
Phase I, II and Set-Aside Project Descriptions**

Project #	Applicant	Project Title	Project Description	Watershed Plan/Study	Capital Outlay Project
01-258	Los Angeles County Department of Public Works	Development of a Ballona Creek Watershed Management Plan	This project is to develop a comprehensive watershed management plan for the Ballona Creek watershed, the largest drainage tributary to Santa Monica Bay.	200,000	
01-338	Redwood Community Action Agency	Watershed-Based County Planning Model	This project is to develop a watershed-based community land use planning model to integrate state and federal water quality goals and objectives with local land use planning.	200,000	
01-328	Sierra Nevada Alliance	Upper Carson Watershed Stream Corridor Condition Assessment & Ag BMP Demonstration Project	This project is to conduct an assessment of the watershed for future restoration (the demonstration portion was eliminated from this award.)	200,000	
01-337	County of Orange Public Facilities and Resources Department	Coyote Creek Watershed Management Plan	This is a three-year project to develop an integrated, highly collaborative Watershed Management Plan to maintain, restore, and enhance a healthy Coyote Creek Watershed.	200,000	
01-089	Mono County	Mono Basin and Upper Ownes Watershed Management Plan	This project is to develop two Watershed Management Plans for the Upper Carson Watershed Stream Corridor Condition Assessment and Agricultural Best Management Practices (BMPs) Demonstration Projects.	198,000	
01-088	Mono County	West Walker River Watershed Management Plan	This project is to develop a Watershed Management Plan For the West Walker River.	198,000	
01-081	City of San Diego, City of Del Mar, City of Poway, County of San Diego	Los Penasquitos Master Watershed Plan	This project is to prepare a Watershed Management Plan (WMP) for the Los Penasquitos Watershed. Based on an assessment of watershed resources and issues, the WMP will identify and prioritize measures to preserve and/or improve the health of the watershed.	200,000	
01-257	San Gabriel Mountains Regional Conservancy	A Watershed Management Plan for the San Gabriel River Above Whittier Narrows	This project is to develop a Watershed Management Plan for the upper half of the San Gabriel River watershed including 3 subwatersheds: Upper San Gabriel River, Walnut Creek, and San Jose Creek.	200,000	
01-309	Northern California Indian Development Council, Inc.	Ishi Pishi Restoration Plan: Units 2 and 3	This project is to conduct an inventory and survey of roads identified for decommissioning due to significant amounts of sediment. Following the inventory and survey, a prescription plan will be created for future use.	199,537	
01-046	Urban Creeks Council	Codornices Creek Watershed Restoration Action Plan	This project is to develop a Restoration Action Plan for the Codornices Creek Watershed.	200,000	
01-182	Salton Sea Authority	Reducing Eutrophic Conditions at the Salton Sea	This project is to field test several methods of phosphorus and sediment removal in order to determine the best feasible methods to reduce eutrophic conditions.		490,251
01-110	Community Alliance with Family Farmers	Vegetative Conservation Practices for Water Quality and Habitat Diversity on Pajaro Valley Farms	This project is to reduce sediment transport, reduce nutrient load, and reduce runoff of pesticides by providing vegetative buffers between farmland and waterways. This project will implement and model on-farm re-vegetation on eight sites totaling 2.4 acres.		413,657
01-144	County of San Diego	Otay River Watershed Management Plan	This project is to prepare a Watershed Management Plan (WMP) for the Otay River Watershed. The WMP will be developed for the entire watershed, which will allow the public agencies to more clearly identify critical areas and practices that need to be targeted.	200,000	
01-252	County of San Diego, Department of Environmental Health	San Diego River Watershed Management Plan	This project is to develop a comprehensive Watershed Management Plan for the San Diego River Watershed to restore and protect water quality and quantity.	197,500	

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Project #	Applicant	Project Title	Project Description	Watershed Plan/Study	Capital Outlay Project
01-362	Los Angeles and San Gabriel Rivers Watershed Council	Compton Creek Watershed Management Plan	This project is to develop a Watershed Management Plan (WMP) for Compton Creek which is the first major tributary above the Los Angeles River estuary. This WMP will address water quality and habitat issues, along with recreational use potential using a stakeholder process.	200,000	
01-361	Los Angeles and San Gabriel Rivers Watershed Council	Infiltration of Urban Runoff Demonstration Program	This project is to install a limited variety of Best Management Practices in three types of urban environment. It will develop and compile information about the transport and fate of surface water contaminants into the soil and groundwater in order to evaluate the impacts of infiltrating urban runoff.		985,000
01-166	Butte County Department of Water and Resource Conservation	Cherokee Watershed Water Quality Investigation	This project is to develop a plan and assess surface water quality of the Cherokee watershed.	195,171	
01-152	San Timoteo Watershed Management Authority	San Timoteo Watershed Management Program, Urban Stormwater Management Element	This project is to develop an urban stormwater management plan as part of an integrated watershed management program. The project will also develop a stormwater and dry-weather discharge Best Management Practices Manual for the project area.	195,000	
01-153	Environment Now	Regional Wetlands and Watershed Management Plan for Coastal Southern California	This project is to complete a regional watershed planning assessment, a comprehensive restoration project inventory, and a watershed volunteer network. The volunteers will organize eight waterway cleanups, 200 hours of monitoring and restoration activities, and provide in-class speakers for 60 presentations in schools in each of the five coastal counties involved.		607,500
01-099	Lake Elsinore San Jacinto Watersheds Authority	San Jacinto Watershed Management Plan	This project is to develop a Plan that addresses specific implementation measures to control TMDL contaminants within the watershed.	200,000	
01-163	Butte County Department of Water and Resource Conservation	Butte County Integrated Watershed Coordination	This project is to increase coordination and information sharing among watershed groups, agencies and Butte County.	191,549	
02-021	Plumas Corporation	Upper Spanish Creek Watershed Assessment and Restoration Strategy	This project is to (1) stabilize the entrenched channel by reducing sedimentation and bank erosion; (2) build the community's capacity to collaborate and implement sound watershed management practices; and (3) transfer technology regarding sediment transport and harvesting in gullied systems within the Spanish Creek watershed.		170,000
02-025	Nevada County Department of Environmental Health	Assessment, Investigation, Research and Abatement of Sources of Microbiological Health Hazards in Western Nevada County Watersheds	This project is to reduce pathogens through source control; reduce the pollutants to state waters from storm water or non-point sources; use GIS to display and manage environmental data; and monitor water quality in the South Yuba River, Wolf Creek, Bear River, and Deer Creek watersheds in western Nevada County.		175,000
02-053	Trinity County Resource Conservation District	Upper Trinity River Watershed Management Planning Project	This project is to develop a Watershed Action Plan for the Upper Trinity River Watershed. The Watershed Action Plan will recommend projects to reduce sediment and turbidity levels and improve water quality and storage capacity.	200,000	
02-061	Friends of Deer Creek	Restoring Deer Creek: Building Partnerships to Overcome the Legacy of the Gold Rush Era	This project is to restore Little Deer Creek and to address issues of non-point source pollution into the creek from City roads and buildings, to study the Sanitation Facility upgrade, and to partner with interested parties and develop a Macroinvertebrate Identification Course to help train Deer Creek volunteers.		360,000

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**Watershed Protection Program**  
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Project #	Applicant	Project Title	Project Description	Watershed Plan/Study	Capital Outlay Project
02-077	South Yuba River Citizen's League	Yuba River Water Quality Monitoring Project, Phase II	This project is to purchase monitoring equipment, continue water quality monitoring, expand the capacity of other volunteer monitoring programs, and develop and implement citizen monitoring projects in the watersheds.		215,000
02-104	Lake County Flood Control and Water Conservation District	Invasive Specie(s) Inventory, Eradication and Monitoring	This project is to inventory, eradicate, monitor eradication efforts, and educate the public on two invasive riparian species; Arundo donax and Tamarix spp.		181,262
02-109	San Diego River Park - Lakeside Conservancy	San Diego River Park-Lakeside Conservancy: Restoration and Recharge	This project is to acquire approximately 5 acres on which the Riverview Water District wells are located and construct an off channel palustrine wetland and riparian area.		1,290,725
02-117	Urban Creeks Council	A Watershed Restoration Action and Priority Project Plan for Wildcat/San Pablo Creeks	The proposed Watershed Restoration Action and Priority Project Plan (WRAPPP) will design and implement a community-based restoration plan for Wildcat and San Pablo Creeks within the low-income, small community located on the floodplain of those creeks.		750,000
02-146	Glenn County Resource Conservation District	Stony Creek Watershed Management Program	This project is to develop the Stony Creek Watershed Management program which will assist in accelerating conservation in Glenn County.	200,000	
02-159	Western Shasta Resource Conservation District	Bear Creek Watershed Assessment	This project is to complete a watershed assessment (WA), and initial implementation efforts for a long-term comprehensive plan to restore ecological health and improve water management for beneficial uses in the Bear Creek Watershed. The assessment will identify action options and contribute to ongoing project implementation throughout the project area.		140,806
02-171	County Of Ventura	El Rio Sewer System Project	This project is to protect the coastal and groundwater quality and eliminate nitrate migration into the water wells by constructing a portion of the sewer facilities in the El Rio East area which serves the City of Oxnard's potable water system.		2,500,000
02-214	Cottonwood Creek Watershed Group	Cottonwood Creek Watershed Management Program	This project is to develop a Watershed Management Plan for the project area to provide a rational, science-based approach to managing the watershed.	200,000	
02-222	Calgreen Works	Environmental Justice Watershed Awareness, Water Conservation and Pollution Prevention Partnership Program	This project seeks to educate and assist the residents and businesses of inner city communities to participate and incorporate Best Management Practices (BMPs) in their daily domestic and commercial activities that will help improve water quality. They will develop and implement a customized watershed awareness and pollution prevention education and outreach program, a citizen water quality monitoring program, and watershed restoration projects including potential wetland restoration.		790,000
02-235	Deer Creek Watershed Conservancy	Deer Creek Watershed Erosion and Sediment Control Project-Phase II Implementation	This project is the initial implementation phase (Phase II) for mitigation of the top sediment producing sites in the upper watershed of Deer Creek. This scope of work represents a three-year implementation schedule of engineered solutions for nine of the 44 sites identified within the project area.		493,175
02-247	Sierra Foothill Conservancy	Finegold Watershed Planning	This is a two-year project to conduct an in depth study and analysis of the Finegold Creek Watershed with the end result to be a management plan.	109,388	
02-258	Mariposa County Resource Conservation District	Upper Merced River Watershed Management Plan	This project is to develop a Watershed Council and Management Plan for the Upper Merced River from its origins to Exchequer Dam in Mariposa County.	199,825	



**Table 1**  
**Watershed Protection Program**  
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Project #	Applicant	Project Title	Project Description	Watershed Plan/Study	Capital Outlay Project
02-298	City of Needles	Lower Colorado River Watershed Protection Program	This project is to reduce the number of septic tank leach fields along the Colorado River to protect the water quality of the Lower Colorado River. The City will design and construct a 3.6-mile Small Diameter Gravity Sewer System (SDGS) in the northern area of Needles to convert properties from septic tank leach fields to conventional municipal service.		900,000
02-307	Western Shasta Resource Conservation District	Lower Clear Creek Spawning Gravel Injections	This project is to augment gravel resources in the Clear Creek stream channel in order to restore anadromous salmonid spawning and rearing habitat.		335,489
02-308	Western Shasta Resource Conservation District	Water Quality Improvement in Cow Creek Watershed	This project is to monitor fecal coliform contamination and temperatures in the watershed. It will identify the cause or sources of the fecal coliform problems and recommend remedial alternatives. In addition, temperature testing will be conducted to evaluate the feasibility of projects to lower temperature in priority areas.		67,160
02-314	Saticoy Sanitary District	Saticoy Recycle & Groundwater Recharge Facility	This project is to recharge aquifers beneath the Oxnard Plain with treated effluent that would otherwise go to the ocean.		2,000,000
02-326	Mission Resource Conservation District	Upper San Luis Rey Watershed Arundo Control and Riparian Habitat Restoration	The purpose of this project is to reduce the likelihood of flooding and fire, reduce erosion, improve habitat quality, restore natural water flows and native riparian habitat, and involve and educate watershed stakeholders. A total of 40 acres of Arundo on 25 river miles will be removed during the three year project and native vegetation will be replanted in areas where native riparian succession is expected to take longer than five years due to hydrology and geomorphology.		911,000
02-336	Central Modoc Resource Conservation District	Upper Pit River Watershed Enhancement and Protection Project	The various projects will result in improved management of wetlands and streams in the headwaters of the Pit River, including mitigation of NPS pollution, improving natural functioning condition of stream channels, aiding the implementation of the CA Rangeland Water Quality Management Plan, and conducting citizen monitoring.		585,580
02-369	Natural Heritage Institute	Enhancing Local Capacity in North Richmond and Parchester Village to Manage and Restore the Lower Rheem Creek Watershed	This project is in part, to maintain and improve existing freshwater fish habitat, restore 10 to 15 linear miles of riparian habitat, and more closely emulate the natural pattern of seasonal freshwater inflow to North San Francisco Bay to transport sediments and contribute to riparian vegetation succession. The overall goal of the project is to create a model for the CALFED Watershed Program to increase capacity in urban, financially disadvantaged areas.		440,870
02-388	City of Signal Hill	Hamilton Bowl Trash Reduction Project	This project is to install several differing styles of in-line and end-of-pipe treatment systems at the Hamilton Bowl storm water retention basin to remove trash and debris from storm water and urban runoff.		783,000
02-408	Westside Resource Conservation District	The Stewards of the Arroyo Pasajero CRMP: Sharing Our Success	This project is to identify best management practices, that, when implemented, will result in improved ranch and farm operations.	55,000	
02-415	Sierra County Fire Safe and Watershed Council	Abandoned Mine Reclamation and Restoration	This project is to reclaim and restore five abandoned mine sites. These sites were selected to provide a starting point for watershed improvement in the North Yuba watershed.		217,000

**Table 1**  
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Project #	Applicant	Project Title	Project Description	Watershed Plan/Study	Capital Outlay Project
02-419	Glenn County Department of Agriculture	Glenn County Surface Water Stewardship	This project is to remediate nonpoint source pollution associated with runoff from orchards by developing and maintaining demonstration projects, developing Best Management Practices, water quality monitoring, and developing a GIS system to manage watershed data. Sources of concern are pesticides, sediment, and nutrients.		275,000
02-451	Oakland Releaf	Oakland Releaf Watershed Protection Program	This project is to enlist local residents in planting and stewardship of 1,800 trees in West Oakland's Ettie Street Pump Station Basin (Ettie Street Watershed).		350,000
02-482	Upper San Gabriel Valley Municipal Water District	San Gabriel Watershed NPS Pollution Reduction Program	This project is to enlist volunteers to collect trash, retrofit lavatories, clear debris and sediment from streams, rehabilitate trails and footpaths, install natural barriers to informal pathways, revegetate and stabilize stream banks and slopes, and develop a proactive public outreach approach.		205,275
02-517	Westside Resource Conservation District	Panoche Creek Stabilization Project	This project is to engineer and install a low flow crossing at an approximately 700 foot-wide channel site that is currently a source of sediment loading in its unhardened condition.		200,000
02-535	Tehama County Resource Conservation District	Tehama West Watershed Assessment	The project is the completion of a Watershed Assessment on the westside tributaries of the Sacramento River between Cottonwood Creek and Stoney Creek in Tehama County, California.	199,500	
02-540	City of Colfax	Colfax Community Watershed and Fire Safe Ecosystem Project	This project is an on-the-ground demonstration of shaded fuel breaks that have been planned and analyzed from an ecosystem and watershed perspective.		99,700
02-546	San Bernadino County	GIS Stormwater Mapping to Implement Master Drainage Management Plan	The project will utilize aerial photography and GPS digital mapping to develop detailed drainage and land use maps for protecting Big Bear Lake. The maps will be used to plan and prioritize capital investments in appropriate stormwater control facilities.		490,000
02-547	Big Bear Municipal Water District	Nutrient Remediation Program to Implement Big Bear Lake TMDL	This project is part of many efforts to reduce phosphorous and nitrogen loads to the lake as part of an integrated TMDL strategy by preparing a weed abatement plan, applying aquatic herbicides, and monitoring environmental impacts.		80,000
02-548	Big Bear Municipal Water District	Sediment Phosphorous Control Program in Big Bear Lake	This project is to remediate the adverse effects of high nutrient loads by preventing phosphorous from being released from the sediments into the water column of Big Bear Lake by preparing a phosphorus control plan, applying phosphorus control chemicals, and monitoring environmental impacts.		500,000
02-556	Solano County Water Agency	Putah Creek - Yolo Housing Authority Project	This project is a locally-led, community-based habitat restoration project to remove trash and invasive weeds and restore native riparian forest and fish spawning habitat at the Yolo Housing Authority (YHA)		279,655
02-560	Torres-Martinez Desert Cahuilla Indian Tribe	Torres Martinez/Salton Sea 319 NPS Nutrient Project	This project is to produce a nutrient loading assessment report, perform water quality monitoring, implement a public information telecommunications system and produce a report on Best Management Practices for nutrient loading.		150,000
02-563	Natural Heritage Institute	Small is Beautiful: Scaling Adaptive Management to fit a Range of Riverine System Scaling Adaptive Management to Restoration Projects	This project will assist financial hardship, small rural and urban communities with the development of appropriate adaptive management plans.	183,500	

**Table 1**  
**Watershed Protection Program**  
**Phase I, II and Set-Aside Project Descriptions**

Project #	Applicant	Project Title	Project Description	Watershed Plan/Study	Capital Outlay Project
02-595	Amador County Wine Grape Growers Association	Plymouth Area Vineyard Erosion Control	This project is to reduce erosion and protect the water quality of Pigeon Creek, Big Indian Creek, and other smaller creeks in the area by rainfall simulation, site assessments, workshops, shallow groundwater monitoring, stream monitoring, and public outreach for the Cosumnes River watershed.		487,000
02-609	Upper Mokelumne River Watershed Authority	Upper Mokelumne River Watershed Assessment	This project is to create a watershed assessment methodology, a database compiling the existing data needed to conduct the watershed assessment; and a stakeholder-supported monitoring/data collection program designed to fill the identified data gaps. This will form the foundation for a comprehensive assessment of the watershed.		200,000
02-626	Nevada County Land Trust	South Yuba Watershed Project	This project will implement projects to control erosion, improve water quality, improve aquatic/terrestrial habitats for wildlife and other species, develop a centralized collaborative stewardship forum, and provide education and technology transfer related to watershed protection and improvement.		300,536
02-635	Lake county Flood Control & Water Conservation district	Clear Lake Watershed Mercury and Nutrient Assessment	This project is to monitor gaged streams to develop scientifically defensible estimates of mercury and nutrient inputs to Clear Lake and to identify mercury "hotspots" within the watershed.		147,182
SA-110	Sonoma County Water Agency	Russian River Watershed Project	This project encompasses nine smaller projects to study and restore the Russian River and tributaries. Projects include habitat enhancement, watershed restoration, data collection and monitoring.		1,000,000
SA-123	City of Redding	Clover Creek Flood Protection and Environmental Enhancement Project	This project is to provide for the acquisition, restoration, and conservation of a low-flow stream channel, open water, seasonal wetlands, riparian habitat, oak woodland regeneration, and grassland meadow preservation.		5,000,000
SA-214	Lake County Sanitation District	Clearlake Basin 2000	This project will fund approximately 66% of the construction cost of upgrading Lake County Sanitation District's Northwest Regional Wastewater Treatment Plant.		2,000,000
SA-218	Pajaro River Watershed Flood Prevention Authority	Pajaro River Watershed Flood Prevention Study	This project is to conduct a study to prevent and control floods pursuant to the Pajaro River Watershed Flood Prevention Authority Act.	2,000,000	
Subtotals				9,243,884	28,455,833
<b>Total</b>					<b>37,699,717</b>

**TABLE 2**  
**WATERSHED PROTECTION PROGRAM**  
**PHASE I, II, AND SET-ASIDE PROJECT SUMMARIES**

<b>PHASE I</b>		
<i>Region*</i>	<i>No. of Projects</i>	<i>Amount</i>
REGION 1	6	\$939,313
REGION 2	3	\$480,000
REGION 3	3	\$811,549
REGION 4	7	\$2,592,500
REGION 5	3	\$563,726
REGION 6	3	\$596,000
REGION 7	1	\$490,251
REGION 8	6	\$1,811,250
REGION 9	5	\$997,500
	<b>37</b>	<b>\$9,282,089</b>

<b>PHASE II</b>		
<i>Region*</i>	<i>No. of Projects</i>	<i>Amount</i>
CALFED	30	\$7,817,628
REGION 4	5	\$6,278,275
REGION 7	2	\$1,050,000
REGION 8	3	\$1,070,000
REGION 9	2	\$2,201,725
	<b>42</b>	<b>\$18,417,628</b>

<b>SET-ASIDE</b>	
<i>Project</i>	<i>Amount</i>
Pajaro River Watershed	\$2,000,000
Russian River Watershed	\$1,000,000
Clover Creek Flood Protection	\$5,000,000
Clear Lake Basin 2000	\$2,000,000
	<b>\$10,000,000</b>

\*See Figure 1 for regional boundaries



FIGURE 1  
Regional Water Quality Control Board Boundaries