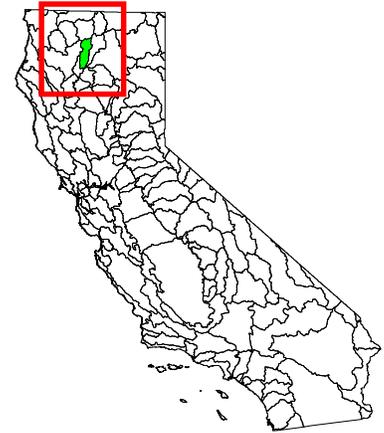


# Shasta Valley Resource Conservation District

## Sacramento Headwaters (Sub-basin) Watershed



**Amount Funded:** \$64,894

**Match Provided:** \$21,631

**Additional Funding obtained to date:** \$381,000

**Watershed Coordinator:** Vince Cloward

### Watershed Coordinator Goals, Objectives and Progress

**Watershed Goal 1.2:** Provide local leadership for identification of resource needs and implementation of chosen solutions.

**Objective:** Increased public participation and ownership of watershed needs and solutions.

- Facilitated planning meetings with Union Pacific Railroad regarding selected restoration sites along the railroad right-of-way.
- Held meetings with Discovery Center planning group regarding the programs and planning steps needed for development of an interpretive facility in Mt. Shasta.
- Completed initial approvals and permits with the City of Dunsmuir for implementation of the Hedge Creek Falls Trail and Restoration Project.
- Designed and submitted a grant in cooperation with the Dunsmuir Garden Club for riparian willow restoration at the Tauhindauli Park site.
- Participated in event planning and community meadow restoration project for Sisson School in partnership with the Siskiyou Land Trust, area schools, community volunteers, local conservation groups, and agency partners.
- Hosted a community television show at the River Center on the River Exchange and community programming. Solicited memberships and promoted watershed partnerships.



*City Manager and Dunsmuir Garden Club going over restoration plans concerning the Taulindahli Park Project that was led by the Upper Sacramento River Exchange*

*Performance Measure:* Meeting minutes; number of participants; meeting evaluation documentation by participants; article reprints; media coverage report; track number of sign-ups to CRMP; track number of sign-ups/attendees at RCD or CALFED sponsored meetings or hearings; identify needs and record solutions to those watershed needs, record groups participating, provide attendance lists to participants and compile a resource database for the public; survey participants to assess program effectiveness.

**Watershed Goal 2.1:** Support and encourage (facilitate) educational activities in the district at all levels of education.

**Objective 1:** Design and facilitate conservation, restoration and stewardship activities in partnership with the RCD, Forest Service and other agencies, and Siskiyou County Office of Education.

- Coordinated and hosted an educator biodiversity workshop for 30 teachers from Siskiyou, Shasta, and Oregon. The workshop included a watershed curriculum produced by the Exchange in cooperation with the Siskiyou County Office of Education. The curriculum highlights the areas unique features and provides stewardship linkages for teachers and their students.
- Organized and conducted one restoration field trip for high school students to Tauhindauli River Park. Students planted riparian trees in the flood plain as part of an on-going restoration project.
- Conducted 10 presentations and tours for students from grades K-12. Presentation topics included habitat puppet theatre, stewardship, mammal adaptations and birds of the watershed.
- Conducted planning meetings with the U.S. Forest Service for two community restoration projects this summer.

*Performance Measure:* Provide an educational partners group and implement watershed educational programs involving a minimum of 3,000 students and teachers; survey students as to what they learned, or will take time to share; survey teachers as to their evaluation and effectiveness of classroom presentations and fieldtrips. Evaluate the program annually with all educational and resource groups.

**Watershed Goal 3.4:** Promote and facilitate improved water quality (awareness).

**Objective 1:** Increased public awareness of water quality standards, impacts, and monitoring in the sub-basin.

- Conducted planning with the Department of Fish and Game and recruited high school students for the water quality monitoring program.
- Designed three community restoration and interpretive outings for the coming field season. These include a community riparian work day and a Panther Meadows restoration project in collaboration with the Forest Service.
- Began year two of the Rip Rap Project. Willows were planted at six more sites. This year, an additional 5,000 willows will be planted along the Upper Sacramento River.
- Completed planning for a community water quality awareness and storm drain stenciling program. Began design for a water quality brochure.

*Performance Measure:* Numbers of participants, documentation of training agendas and evaluations, article reprints and media coverage report. Report and publish water quality monitoring data to partners, agencies, organizations and the public during forums, meetings, planning groups and provide information at the River Center for visitors.

**Watershed Goal 3.5:** Promote and facilitate the restoration, enhancement, and conservation of plant, fish and wildlife resources.

**Objective 1:** Increased public participation in improving the health of the watershed.

- Partnered with the Dunsmuir Garden Club and coordinated a community restoration outing at the Tauhindayuli River Park in Dunsmuir. Work included planting potted shrubs, riparian trees and grasses along the Upper Sacramento River, as part of a stream bank alteration project funded through the Cantara Trustee Council.
- Collaborated with the Siskiyou Land Trust and partners to implement an Earth Day celebration and meadow cleanup.
- Presented at the Mount Shasta Earth Day Celebration. Provided stewardship educational materials and printed resources. Provided bird feeders for 100 visitors.



*Biodiversity Workshop*

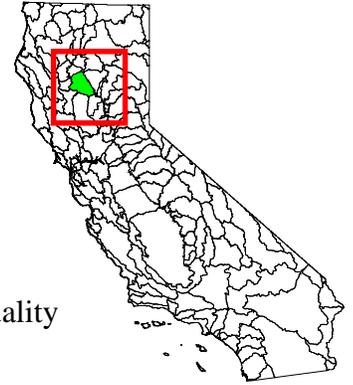
*Performance Measure:* Documented participation; record of meeting agendas; workshop evaluations; create photographic display for public viewing at the River Exchange Center of successes of objective; track how participation and number of volunteers has increased since previous year. Monitor all restoration projects and provide quantitative results.

**Additional Funding Obtained/Pending:**

One grant, for \$23,000, was awarded for a trail restoration and Scotch broom removal project.

# Tehama County Resource Conservation District

## Sacramento-Lower Thomes Watershed



**Amount Funded:** \$57,110

**Match Provided:** \$14,361

**Watershed Coordinator:** Nani Teves

**Watershed Goal:** To improve upper watershed and riparian health, water quality and water quantity within the Tehama County RCD.

### Watershed Coordinator Objectives and Progress

**Objective 1:** Assisting the Tehama County RCD in achieving their long-term goals for watershed health through information exchange and enhanced education and outreach activities.

- Planted in the greenhouse at Reeds Creek School. Students helped with planting and learned how to calculate growth rates and survival percentages.
- Scheduled and assisted with a macro invertebrate sampling on Reeds Creek and Red Bank Creek. Shasta College professor Morgan Hannaford supervised the sampling. Eight high school and six college students participated. Eight sites were sampled.
- Coordinated a tour of the Coyote Creek Conservation Area to discuss monitoring techniques and vernal pool characteristics with partner agencies (i.e. NRCS and Nature Conservancy).
- Organized a Technical Advisory Group meeting to discuss future projects for the RCD
- Organized a stakeholder meeting focused on the issues with *Tamarisk* and *Arundo* removal along Reeds Creek and Red Bank Creek (31 landowners attended).
- Organized a meeting with irrigators to listen to a presentation by a representative of Central Valley RWQCB on the irrigation discharge waiver program (65 irrigators attended).
- Three new landowners added to Reeds Creek and Red Bank Creek mailing lists.
- Attended several community meetings (e.g. Fire Safe Council and Cottonwood Creek Watershed Group) and training workshops throughout the quarter.



*Community meeting on agricultural irrigation discharge waiver program*

*Performance Measure:* Mailing list for stakeholder meetings increased by 50 landowners and completion of project design for one greenhouse project.

**Objective 2:** Improve strategies for long-term planning and management of resources within the watershed.

- Identified fire concerns and natural resource priorities during two stakeholder meetings.
- Located and photographed *Arundo* and flood control issues along Burch Creek near Corning.

- Attended website design workshop offered through Shasta College and designed website for watershed.

*Performance Measure:* Active website and documented summary of past and present Westside watershed resources and conditions.

**Objective 3:** Provide assistance for an irrigation mobile laboratory.

- No activity occurred toward this objective during the quarter.

*Performance Measure:* Successful completion of 30 irrigation evaluations and seasonal reports to agencies and landowners stating results of Mobile Lab activities including benefits to the watershed.



*Reeds Creek School students prepare tray for planting. Children learned how to calculate growth rates and survival percentages.*

**Objective 4:** Work directly with CSU Chico to implement

removal of *Arundo donax* and *Tamarix* as well as replace native vegetation in some riparian areas on Reeds and Red Bank Creeks.

- Met with CSU partner to discuss a tour of properties with *Tamarisk* problems.
- Set dates for monitoring *Arundo* on Red Bank Creek and Brickyard Creek.

*Performance Measure:* Landowner agreements in place for removal of approximately 35 acres of invasive plant species and monitoring forms completed for eradication sites.

**Additional Funding Obtained/Pending:**

<u>Proposal</u>	<u>Amount Requested</u>	<u>Status</u>
1. Research and prepare a fire plan for the western side of Tehama County.	\$35,777	US Forest Service reviewing application

**Workplan Update:**

During the second quarter, the RCD requested permission to amend its workplan. As a result of a successful grant application, the RCD was able to hire a full-time Irrigation Mobile Lab Technician, which removed the need for the watershed coordinator to manage this program. The RCD proposed to eliminate Tasks 3.3 through 3.6 that supported the irrigation mobile lab. The lab technician will complete these tasks. The watershed coordinator will still provide training to the lab technician and assist with irrigation evaluations as identified in Tasks 3.1 and 3.2.

In place of the tasks eliminated under Objective 3, the RCD proposed to add four new tasks under Objective 1. The new tasks are:

<u>Task #</u>	<u>Description</u>	<u>Task Completion</u>	<u>Schedule</u>
1.0	Collect and analyze water quality samples, discharge, and stage data on two tributaries of the Sacramento River	Completion of a rating curve and calculation of sediment loadings	Jan 03 – Dec 03
1.3a	Expand the macro-invertebrate sampling and citizens monitoring to include a meeting, presenting the data gathered and thanking the volunteers	Conduct one citizens monitoring meeting	August 03
1.9	Apply to funding agencies for projects such as Citizens Monitoring, the Agriculture Discharge Waiver, Watershed Oral History, or a Fire Plan	Two applications submitted	October 03
1.10	Conduct a monitoring workshop for local landowners and students	Conduct one workshop	July 03

These new tasks will meet several CALFED criteria and conform to the RCD's long-range plan. The department has approved all the amendments to the workplan and determined that a contract amendment is not needed. These changes have been documented and made a part of the file.

**Ulatis Resource Conservation District**  
(Name changed to Solano RCD)  
Lower Sacramento River Watershed



**Amount Funded:** \$69,190

**Match Provided:** \$18,913

**Additional Funding obtained to date:** \$5,000

**Watershed Coordinator:** Kathleen Robins

**Watershed Goal A:** Promote Community-based Watershed Stewardship in Solano County

**Watershed Coordinator Objectives and Progress**

**Objective A-1:** Foster development, coordination and funding of local stewardship groups for Solano County creeks

- Submitted four new funding proposals, totaling \$190,163 to support watersheds throughout the County.
- Continuing to work with three stakeholder groups on three different Solano County Creeks. (Pleasants Creek, Sweeney Creek and Alamo Creek).
- Organized a weed identification and management workshop on January 10th, jointly produced by the RCD and the Weed Management Area. It was attended by over 100 people throughout the county. A total of 78 evaluations were returned, with 95% of evaluators finding the information provided “very useful” and “pertinent to the management of their lands.” The event was the second of a planned annual series.
- Organized the First Solano County Watershed Fair at the Vacaville Cultural Center. The event was comprised of a morning session, targeted at farmers and agency personnel, and an afternoon session targeted at rural land owners. The morning topic was: The Conditional Waiver for Agricultural Runoff. Of the 75 people present, 60 completed evaluations and 97% of the evaluations found the forum “very useful” and “pertinent to the management of their lands.”

*Performance Measure:* Three functioning local stewardship groups (each with at least 20 stakeholders); written work priority list of four projects for each group; monitoring protocol in hands of stakeholders; three grant proposals written to support work of each group.

- Eight grant proposals submitted thus far to support watershed work.

**Objective A-2:** Seek agency partnerships and funding to develop a “Welcome to the Watershed” stewardship orientation and training program for rural landowners

- MOU signing basically complete. Signatories include NRCS, Dixon RCD, Solano Irrigation District, Solano Water Agency, Suisun RCD, and Fairfield-Suisun Sewer District.

- Working closely with target agencies to seek funding for the “Welcome to the Watershed” program. Discussions regarding a potential partnership with the Solano Irrigation District have continued.
- The Watershed Friendly Demonstration Garden at the newly christened Conservation Education Center, is basically complete. A grand opening celebration will be held on April 19th. The garden is the inspiration for and flagship project for our Welcome to the Watershed Program.

*Performance Measure:* Eleven signed MOUs with stakeholder agencies and organizations in Solano County to support project; project description and workplan in hands of stakeholders; two grant proposals written to support and extend project.

- Six MOUs or interagency agreements signed thus far.
- Two grant proposals were submitted. Neither was selected for funding.

**Objective A-3:** Develop a farmer-written Farm Conservation Plan Program to help farmers develop watershed appropriate conservation plans and comply with USDA funding requirements.

- Submitted a full proposal to the Western SARE’s Research and Education Program which would fully fund the project. Notification expected in May.
- Submitted a proposal to the Great Valley LEGACI Program to support the Farm Conservation Plan Program. Notification expected in June.
- Continuing to work with NRCS and CARCD to find funding to start implementation work sooner.
- Planning for the program is underway with Yolo County and Dixon RCDs. Several workshops will be planned.

*Performance Measure:* Twenty field days yielding 20 completed farmer-written farm conservation plans; evaluations of process and product by the 20 participants and the 3 RCDs; documentation of 6 month follow-up with participants regarding actual usefulness of FCP with program improvement recommendations; write 3 grant proposals to support continuation and expansion of project.

- Two grant proposals submitted. Both awaiting notification.

**Watershed Goal B:** Promote Cooperation and Information Sharing between Solano County Stakeholder Groups, Local Agency Personnel, Environmental Groups and Other Watershed Interests.

**Objective B-1:** Foster continued development of Countywide Watershed Partnership Group

- Working with Solano Irrigation District, Yolo Co. RCD, and Dixon RCD to develop a Water Quality and Conservation Mobile Lab to serve stakeholders in both Solano and Yolo Counties.
- Completing final edits for the *Solano County Watershed Groups and Projects Compendium*. Will be published on RCD website by the end of June.

- The Countywide Solano County Watershed Partnership Group met for its third quarterly meeting in March. It was attended by 30 agency stakeholders.
- Working with the Solano County Farm Bureau, Solano Irrigation District and the Dixon RCD to assist agricultural producers in our district and county in responding to the Conditional Ag Waiver.
- Working on pre-proposals for the consolidated RFP released for multiple funding entities.
- Working with the Regional Environmental Education Group in developing an urban stream restoration program and support funding in the city of Fairfield.
- Continued to collaborate with the Community Alliance with Family Farmers. The RCD is entering its second year of watershed stewardship partnership with the Alliance.

*Performance Measure:* Six quarterly meeting of the Solano County Watershed Partnership Group; biannual updates of existing *Solano County Watershed Groups and Projects Compendium*; priority list of projects for the group to address; 4 grant proposals written to support those projects.

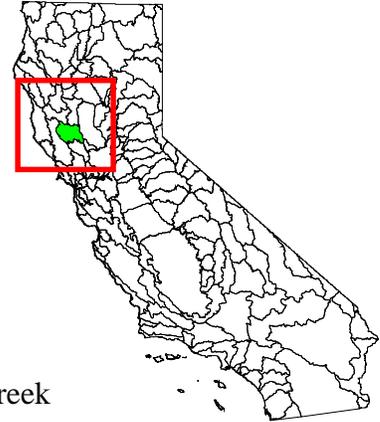
- The Solano County Watershed Partnership Group has meet three times so far.

**Grant Funding Received/Pending:**

<b>Proposal</b>	<b>Project Amount</b>	<b>Purpose</b>	<b>Status</b>
US Environmental Protection Agency (submitted Qtr 3)	\$66,281	Welcome to the Watershed	Pending Notification expected 5/03
US Environmental Protection Agency (submitted Qtr 3)	\$85,220	Welcome to the Watershed	Pending Notification expected 5/03
5-Star Restoration Program (submitted Qtr 3)	\$6,542	Re-vegetate Lake Hermon, partnership with CA Native Plant Society	Pending Notification expected 6/03
Great Valley Center LEGACI (submitted Qtr 3)	\$32,120	Partially funds a series of farmer created On-Farm Conservation Plan workshops in Solano & Yolo Counties	Pending Notification expected 6/03
Sacramento Regional Water Quality Control Board (submitted Qtr 1)	\$108,886 (2 year project)	Remove noxious invasive and revegetate w/ watershed appropriate plants on a stretch of Alamo Creek	Pending Preliminary approval subject to litigation
Western Sustainable Agricultural Research and Education (submitted Qtr 2)	\$157,529 (3 year project)	Funds a series of farmer created On-Farm Conservation Plan workshops in Solano & Yolo Counties	Pending Notification expected 5/03
Solano County Fish & Game Fine Funds (submitted Qtr 2)	\$11,250	Rehabitation projects in Solano County	Awarded \$5,000 2/7/03
National Fish and Wildlife Foundation Pulling Together Initiative (submitted Qtr 2)	\$90,486	Noxious Weed Mapping and Eradication	Pending Notification expected 6/03

# West Lake Resource Conservation District

## Upper Cache Creek Watershed



**Amount Funded:** \$75,912

**Match Provided:** \$19,758

**Additional Funding obtained to date:** \$23,740

**Watershed Coordinator:** Greg Dills

**Watershed Goal:** Improve watershed conditions on Upper Cache Creek tributaries.

### Watershed Coordinator Objectives and Progress

**Objective 1:** Increase community involvement in watershed activities.

- Continued outreach activities such as assisting the Big Valley CRMP organize a spring yard sale/fund raiser.
- Presented a PowerPoint presentation to the Lakeport Kiwanas Club about CRMP groups and their ongoing watershed activities/projects.
- Worked with the Lake County Weed Management Area to produce an informational pamphlet addressing invasive weeds in Lake County. The WC was also successful in obtaining funds from the Lake County Fish and Wildlife Committee to reproduce the Landowner's Guide to Healthy Watersheds in Lake County.



*Volunteer students from Carlé High School planting willows in Schindler Creek*

**Performance Measure:** Six or more fund raising events/activities held, 6 or more grant applications submitted, one new CRMP formed, twelve PowerPoint presentations and three hundred students involved in watershed education events.

- Two more grant applications were developed this quarter for a total of five.
- Created and presented two more PowerPoint Presentations about watershed protection and activities. To date nine presentations have been created and presented.

**Objective 2:** Improve stream channel conditions by reducing solid waste in the Upper Cache Creek tributaries.

- Met with a Lake County Supervisor to discuss the annual cleanup event and the possible formation of an "Adopt-a-Creek" program.

*Performance Measure:* Minimum 60 cubic yards of rubbish and recyclables removed each year.

- The minimum yardage has been satisfied in this performance measurement. Additional trash that is collected further benefits the watershed.

**Objective 3:** Coordinate implementation of the Schindler Creek/High Valley CRMP streambank restoration project.

- Coordinated with Mendocino College, Lake Center to propagate 100 Valley Oak seedlings, 240 California Brome starts and 12 mulfat starts for the project. The Robinson Rancheria Band of Pomo Indians held 75 plus will starts in a nursery tank over the winter for the project. These plants starts and will cuttings, along with dozens of additional willow stakes harvested by a hand crew, were installed by a group of High School students and landowner volunteers.

*Performance Measure:* Two thousand twenty feet of streambank restoration implemented.

- The stream bank structures have been successfully completed with the revegetation component of the project being implemented.

**Objective 4:** Coordinate implementation of the Middle Creek Restoration Project.

- The Middle Creek Restoration Project has been successfully completed.

*Performance Measure:* Two streambank projects implemented.

- This performance measurement has been met.



*Constructed post and cable barrier on South Cow Mountain.*

**Objective 5:** Survey, map and begin eradication of *Arundo donax* in Lake County.

- Participated in the completion of the lake survey of *A. donax*, identifying 87 locations of infestation to date and participated in the Highway 20 corridor survey. To date, approximately 225 locations have been surveyed and mapped.
- Provided survey data entry and mapping of lake infestations using ARCGIS software.

*Performance Measure:* Survey and map a minimum of 12 colonies of *A. donax* and perform eradication.

- Survey of Clear Lake has revealed 87 infestation sites at this stage of the survey.
- The total number of sites eradicated to date: Middle Creek, 8 sites; Alley Creek, 8 sites; Clover Creek, 9 sites; Morrison Creek, 1 site.

**Objective 6:** Establish Biological and Habitat Assessment Citizen Monitoring Team.

- Coordinating efforts between the Sustainable Land Stewardship Institute, Lake County Tribes and CRMPs to host the Citizen's Water Quality Monitoring Workshops.
- Obtained the cooperation of a landowner to initiate water quality monitoring on a vineyard occupying several hundred acres and containing 5 streams. This monitoring will involve High School students from the Carle High School in Lower Lake and the Upper Putah Creek Stewardship Bioassessment Citizen Monitoring Team.

*Performance Measure:* Establish 6 monitoring sites for annual sampling of water quality in the Clear Lake Basin.

**Objective 7:** Coordinate natural resource management efforts with BLM on the Cow Mt. Recreation Area, specifically in Eight Mile Valley.

- Conducted an aerial survey of the valley under a Cooperative Agreement Task Order between the West Lake RCD and BLM. The finished product has been produced, providing the contour lines of the project site. Maps can now be produced in ARCGIS software filling the void previously not represented on the "Purdeys Garden" USGS Topographical Map.
- Completed a partial installation of the post and cable barrier project. Construction was done on two sites on South Cow Mountain, in Eight Mile Valley and in Four Mile Glade.

*Performance Measure:* For Eight Mile Valley, produce a watershed assessment, install a minimum of a one-mile post and cable barrier to protect sensitive species on the floor of the Valley, and design an implementation project.

**Westside Resource Conservation District**  
Upper Los Gatos-Avenal  
(Sub-watershed: Arroyo Pasajero)



**Amount Funded:** \$36,222  
**Match Provided:** \$11,000  
**Additional Funding obtained to date:** \$155,000  
**Watershed Coordinator:** Linda Ballentine

**Watershed Goal:** To improve the water quality of the Arroyo Pasajero/  
Domengine Watershed and protect the California Aqueduct by reducing erosion,  
sedimentation and flooding.

**Watershed Coordinator Objectives and Progress**

**Objective 1:** To increase the visibility of the Arroyo Pasajero CRMP among landowners,  
agencies and other organizations.

- Solicited landowners who are not currently involved in the CRMP. Added a new landowner who owns 40 acres along the Los Gatos Creek.
- Worked with DWR to order monitoring stations for bridges in the watershed.

*Performance Measure:* Increased attendance and involvement in CRMP; new names added to mailing list; development of three additional ranch plans which identify conservation practices that relieve erosion and flooding.



*Revetment fencing and cottonwoods  
along the bank of the Arroyo  
Pasajero River.*

**Objective 2:** Improve watershed conditions in the Arroyo Pasajero by reducing erosion and  
flooding.

- Replaced all defective rain gauge units and ensured that they were properly installed.
- Worked with DWR to develop a monitoring workshop.

*Performance Measure:* Implementation and support of monitoring practices that result in the collection of data that indicates reduction in sediment erosion and flooding in the Arroyo Pasajero.

**Objective 3:** Procure funding for CRMP landowner watershed improvement project  
implementation.

- Continued to research grant sources and provide landowners with relevant information.

*Performance Measure:* Obtain funding to support the implementation of ranch plans and monitoring plans through 2004.

**Objective 4:** Plan and hold education and outreach events.

- Planning a Weed Monitoring workshop to be held in June of 2003. Topics will include weed identification and management, restoration projects after weed removal, permitting, and mapping using a computer.
- Working with West Hill College Ag Department to use students to map weed infestations.

*Performance Measure:* Increased awareness of the Stewards of the Arroyo Pasajero CRMP activities, create attendance at meetings, workshops and tours.

**Additional Funding Obtained/Pending:**

Received a \$100,000 grant from the State Water Contracts for project implementation.

Submitted an application for \$100,000 Challenge Grant and a \$257,500 CALFED pre-proposal for the 319(h) Program.



*Cottonwoods planted along the Arroyo Pasajero River to prevent soil bank erosion by dissipating the water's force.*