G1014

Attachment H

COVER SHEET (PAGE 1 of 2)

May 1998 CALFED ECOSYSTEM RESTORATION PROPOSAL SOLICITATION

Proposal Title: Petaluma River Watershed Restoration Program
Applicant Name: Southern Sonoma County Resource Conservation District
Mailing Address: 1301 Redwood Way, Suite 170, Petaluma, CA 94954
Telephone: (707) 794-1242
Fax: (707) 794-7902

Amount of funding requested: $ 364,620 for One years

Indicate the Topic for which you are applying (check only one box). Note that this is an important decision: see page __ of the Proposal Solicitation Package for more information.

- ☐ Fish Passage Assessment
- ☐ Fish Passage Improvements
- ☐ Floodplain and Habitat Restoration
- ☐ Gravel Restoration
- ☐ Fish Harvest
- ☐ Species Life History Studies
- ☒ Watershed Planning/Implementation
- ☐ Education
- ☐ Fish Screen Evaluations - Alternatives and Biological Priorities

Indicate the geographic area of your proposal (check only one box):

- ☐ Sacramento River Mainstem
- ☐ Sacramento Tributary: ____
- ☐ Delta
- ☐ East Side Delta Tributary: ____
- ☐ Suisun Marsh and Bay
- ☐ San Joaquin Tributary: ____
- ☐ San Joaquin River Mainstem
- ☐ Other: ____
- ☐ Landscape (entire Bay-Delta watershed)
- ☒ North Bay: Petaluma River

Indicate the primary species which the proposal addresses (check no more than two boxes):

- ☐ San Joaquin and East-side Delta tributaries fall-run chinook salmon
- ☐ Winter-run chinook salmon
- ☐ Spring-run chinook salmon
- ☐ Late-fall run chinook salmon
- ☐ Fall-run chinook salmon
- ☐ Delta smelt
- ☐ Longfin smelt
- ☐ Splittail
- ☒ Steelhead trout
- ☐ Green sturgeon
- ☒ Striped bass
- ☐ Migratory birds

COVER SHEET (PAGE 2 of 2)

May 1998 CALFED ECOSYSTEM RESTORATION PROPOSAL SOLICITATION

Indicate the type of applicant (check only one box):

- ☐ State agency
- ☐ Public/Non-profit joint venture
- ☒ Local government/district
- ☐ University
- ☐ Federal agency
- ☐ Non-profit
- ☐ Private party
- ☐ Other: _____

Indicate the type of project (check only one box):

- ☐ Planning
- ☐ Monitoring
- ☐ Research
- ☒ Implementation
- ☐ Education

By signing below, the applicant declares the following:

(1) the truthfulness of all representations in their proposal;

(2) the individual signing the form is entitled to submit the application on behalf of the applicant (if applicant is an entity or organization); and

(3) the person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section II.K) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

J. Leah Stout

(Signature of Applicant)

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I. Executive Summary

A. ***Petaluma River Watershed Restoration Program***
Southern Sonoma County Resource Conservation District (SSCRCD)

B.

Priority Species to be Benefited	Priority Habitats to be Restored
Steelhead trout*	***Instream Aquatic***
Sacramento splittail*	***Shaded Riverine Aquatic***
Migratory Birds	***Saline emergent wetlands habitat***
Striped bass	**Ecological Processes**
Fall-run chinook salmon**	***Natural Floodplain and Flood Processes***

**indicates primary species* ***Robert Leidy, EPA, Personal communication, 6-25-98*

The Petaluma River Watershed Restoration Program (PRWRP) is a community based, collaborative public/private effort to weave elements of habitat restoration, conservation outreach, community volunteerism and watershed assessment together with adaptive watershed management. The **primary biological objectives** are to restore and enhance priority habitats currently supporting steelhead (see map), species identified above, and expand endangered species habitats for salt marsh harvest mouse, California clapper rail and black rail within the watershed.

The **primary ecological objectives** are to implement a scientifically based, technically sound program of watershed assessment and continue outreach efforts to: (1) maintain continuity with the current 205(j) watershed planning efforts and expedite implementation of enhancement recommendations; and (2) facilitate a coordinated, integrated program of watershed restoration by pooling resources and leveraging existing funds. Work with landowners, volunteers and organizations; and (3) identify potential diked bayland for restoration; and (4) implement a watershed science program to provide a scientific foundation for monitoring and restoration programs and begin to fill identified data gaps to help support and prioritize restoration work.

Southern Sonoma County Resource Conservation District (SSCRCD) working together with the City of Petaluma (City) and San Francisco Estuary Institute (SFEI), have formed a partnership to expedite the restoration of Petaluma River Watershed by: **(1)** Implementation of priority habitat restoration projects recommended by the *Petaluma River Watershed Enhancement Plan* (SSCRCD,1998), *Petaluma Marsh Enhancement Plan* (City,1992), and *Petaluma River Access and Enhancement Plan* (City,1995), and the City's Urban Creeks Restoration Program **These projects will mitigate the following CALFED identified stressors:**

Stressors	Sub-stressors
Channel Form Changes	Channel Aggradation Due to Fine Sediment
Water Quality	Loss of Existing Riparian Zone
Water Temperature	Lack of Regeneration Potential
Undesirable Species Interactions	Competition from introduced plants
Land Use	Grazing/ Urbanization
	Forestry and Agricultural Practices

(2) funding a watershed coordinator to: (a) provide adaptive management and oversight of watershed restoration and assessment projects; (b) facilitate bi-monthly Technical Advisory

Committee (TAC) meetings to provide forum for coordination of multiple community group efforts, review data, interim progress reports and provide direction; (c) continue outreach, e.g. watershed newsletter, (3) identify landowners of diked bayland willing to sell their land to expand the Petaluma Marsh habitat and improve floodplain function and capacity, (4) develop baseline data to fill identified data gaps through implementation of a scientifically based, technically sound method of watershed assessment developed by SFEI. A comprehensive assessment of hydrology, geomorphology, and sedimentation will provide water quality, flow, channel form changes, and other pertinent information (GIS format) and will bolster and integrate existing monitoring programs.

C. Approach/Tasks/Schedule The PRWRP will involve concurrent habitat restoration projects, implementation of watershed science/assessment plan, and watershed management by the watershed coordinator. This program of restoration will be accomplished over a one-year period (see Timeline). The SSCRCD will hire a watershed coordinator to continue outreach efforts and help integrate various water quality monitoring efforts to maximize coverage and effectiveness. SSCRCD staff will manage program and oversee sub-contractors - specifically City and SFEI. The watershed coordinator will report directly to the SSCRCD Board at monthly meetings.

D. Justification

- The projects in this proposal focus on implementation of a multi-stakeholder developed watershed plan and provide broad ecosystem benefits meeting the objectives for Local Watershed Stewardship and CALFED Bay -Delta Program.
- This proposal is a collaborative public/private/NGO effort to address priority species, habitats and stressors identified in the CALFED ERPP located in the CALFED North Bay Solution Area (see page 7).
- SSCRCD is currently developing a watershed plan with funding from SWRCB for this 146-square mile watershed. The watershed project is supported by the community, key local, state and federal agencies and private organizations (see section H).
- CALFED funds will leverage other funds (RWQCB) and expedite current restoration and assessment efforts underway (see page 5).

E. Budget Cost and Third Party Impacts: The CALFED request for this project is $364,620 for first year funding to establish an ongoing restoration program. No adverse third party impacts are expected.

F. Applicant Qualifications: The Southern Sonoma County Resource Conservation District is well qualified to administer all elements of this proposal (see Section V).

G. Monitoring and Data Evaluation: Restoration projects in this proposal include one year of post project monitoring. Data collection will follow an EPA approved Quality Assurance Project Plan (QAPP). CALFED may review QAPP if necessary to ensure QA/QC. Data will be submitted to SFEI's Bay Area Eco-Atlas and other local and state organizations on request. Data will be reviewed by local agency representatives, scientists and PRWRP Advisory Committee.

H. Local Support/Coordination/CALFED Compatibility: The project has local and regional support from school & community organizations, NRCS, NMFS and California Department of Fish and Game. This program will coordinate with other programs (see Section V) and complement previous and current efforts. This proposal is entirely consistent with CALFED objectives (see D above).

II. Title Page

Title: Petaluma River Watershed Restoration Program

Applicant: Southern Sonoma County Resource Conservation District - Robert Rand
1301 Redwood Way Suite 170
Petaluma, CA 94954
Telephone (707) 794-1242 FAX (707) 794-7902
E-mail rrand@ca.nrcs.usda.gov

Type of Organization: The Southern Sonoma County Resource Conservation District (District)is a state chartered, local public agency charged with developing soil and water conservation programs in Sonoma County under Division 9 of the Public Resources Code. Governed by a five member Board of Directors, the District is tax exempt under section 501[c]1 of the Internal Revenue Code.

Tax Identification Number: 94-2785937

Technical Contact: Robert Rand, Resource Conservationist

Financial Contact: J. Leah Swent, District Manager

Collaborators:

City of Petaluma - Jennifer Barrett
11 English Street
Petaluma, CA 94953
Telephone: (707) 778-4319 FAX (707) 778-4498

San Francisco Estuary Institute - Josh Collins, PhD
1325 South 46th Street
Richmond, CA 94804
Telephone (510) 231-9539 FAX (510) 231-9414
E-mail josh@sfei.org

RFP Project Group Type: Services

III. A. Project Description and Approach

The Petaluma River Watershed Restoration Program is a coordinated, collaborative effort involving the City of Petaluma, Southern Sonoma County Resource Conservation District, and the San Francisco Estuary Institute. The pooled resources of these public and private agencies will integrate upper watershed enhancement with outreach and education of city residents and high visibility creek corridor enhancement within the city limits to effectively implement coordinated, integrated watershed-wide enhancement and monitoring activities. This collective effort will expedite the restoration of Petaluma River Watershed by: (1) supporting the implementation of the 205(j) Petaluma River Watershed Enhancement Plan (1998) and; (2) funding a watershed coordinator to coordinate watershed restoration, monitoring and assessment projects; (3) implementing a scientifically based, technically sound method of assessment for watershed resources (SFEI). Specifically, the assessment of hydrology and geomorphology in the watershed are the primary physical features to be inventoried (GIS format) for study and monitoring to focus restoration activities; and (4) facilitation and integration of local organizations efforts to monitor and restore Petaluma River.

Creek Restoration and Enhancement Program
Riparian Corridor Enhancement Projects:

Willowbrook/Lichau Creek This dual-purpose project will improve stream habitat and provide cross-fencing for improved riparian pasture management. This project will reduce habitat fragmentation of riparian corridor by re-establishing riparian vegetation along 3000 feet of stream, installing 6,000 feet of fence, tree planting along 3,000 feet of stream to increase canopy to provide shade and reduce thermal stress on anadromous species. These creeks have existing steelhead runs. These are considered priority creeks for anadromous habitat enhancement projects for the Petaluma River watershed. Outreach to landowners with known stands of invasive *arundo donax* will be conducted.

San Antonio Creek: Loose-rock structures will be combined with bio-technical methods to curtail lateral migration of San Antonio Creek along 1000 feet of unstable streambank with 12-15 foot vertical face. Native revegetation will be planted along 2000 feet of streambank. This site will serve as a demonstration project in an area that contributes large quantities of fine sediments to Petaluma River and reduce dredging.

Adobe Creek: Revegetation and fencing of Adobe Creek would connect the upper and lower reaches of the creek with a continuous riparian corridor. Work involves installing 5000 feet of fencing, trees and riparian vegetation to re-establish a temperate environment for migrating salmonids in this reach. This link would improve survival of young of year salmonids and bolster subsequent runs.

Capri Creek: A collaborative effort of Santa Rosa Junior College (SRJC) and the City of Petaluma to restore canopy and riparian vegetation to this tributary of Petaluma River. This project to enhance riparian corridor and provide a site for environmental education is adjacent to

the college campus. Restoration design, landscape plans and installation will be completed with assistance from SRJC

Lynch Creek: This restoration project located along a publicly accessible creek trail will serve as a highly visible demonstration project with signage. The City has received numerous requests to improve the riparian corridor at this well traveled location on Lynch Creek. A combination of loose-rock rip-rap and bio-technical streambank stabilization methods with integrated vegetation and tree planting would be utilized to enhance riparian corridor and curtail sedimentation of instream habitat.

Creek Care Guide: This guide will provide broad ecosystem benefits by providing simple land management practices in layman terms for the general public to reduce Non-Point Source pollution, sedimentation and encourage water conservation. This type of reference material has been requested by landowners and residents to help them manage resources on their ranches and farms. Increasingly, rural residents are finding this material very useful to conserve soil & water resources on their land.

Petaluma Marsh Floodplain Expansion: Identify potential to return diked bayland areas to tidal marsh/floodplain. Conduct outreach to landowners along lower Petaluma River/marsh system, contact landowners of contiguous parcels for possible floodplain expansion. Develop cost estimates, project plans and seek funding for acquisition.

Bay Area Watersheds Science Plan: Transfer science and technology to local partner. Develop baseline data to fill identified data gaps through implementation of a scientifically based method of watershed assessment developed by SFEI, (i.e. Bay Area Watersheds Science Plan). Specific tasks include a comprehensive assessment of hydrology, geomorphology, and sedimentation which will provide water quality, flow, channel form changes, and other pertinent information in GIS format and bolster ongoing monitoring programs. Watershed Science would establish a benchmark watershed for the Petaluma River that will serve as a model for understanding local watershed processes and provide an ongoing source of data for planning future resource management and restoration projects.

Watershed Coordinator: The role of the watershed coordinator is to provide adaptive management, continuity and program oversight of watershed restoration, monitoring and assessment projects. Additional tasks may include coordinating and facilitating bi-monthly TAC meetings to review progress and assist coordination and communication amongst various groups and organizations involved in water quality monitoring, stream restoration and revegetation projects; and continue outreach, education efforts and watershed newsletter. Some of the organizations and agencies involved in monitoring, restoration or enhancement include:

- *Petaluma Tree Planters* - a non-profit that performs water quality monitoring, urban forestry, environmental education and riparian restoration projects in Petaluma River watershed.
- *Grant Elementary School* - Students have initiated water quality monitoring of Thompson Creek as part of the Adopt-A-Watershed education program with the assistance of

AmeriCorps Members and the local community. Collected data includes pH, temperature, ammonia and dissolved oxygen.

- *Sonoma-Marin Animal Waste Committee* - A group of agricultural producers, federal and state agency staff (i.e. USDA NRCS, CA DFG, RWQCB, UC Cooperative extension) have met on a regular basis to provide a forum for sharing local water quality data, monitoring techniques and technology for reducing NPS pollution and track changes in environmental regulations and effects on agricultural activities.
- *San Francisco Estuary Institute* - A research organization that has developed a Regional Monitoring Program (RMP) for the San Francisco Bay and that maintains a monitoring station at the mouth of the Petaluma River and collects data on trace elements, metals and organic compounds. Based on seven years of monitoring data, Petaluma has the second highest number of water quality exceedances in the RMP.
- *Casa Grande High School* - The United Anglers operate a nationally renown fish hatchery and monitor water for fishery habitat conditions. Their efforts have reversed a declining steelhead population in Adobe Creek.
- *Springhill School:* Students have revegetated portions of Adobe Creek and participate in annual creek clean-up day.
- *Cinnabar School:* Teachers are interested in participating in creek restoration project work.
- *Sonoma State University:* Geography department Interns are interested in performing data collection for GIS mapping of resources.
- *Neighborhood groups:* Thompson, Lynch and Capri Creeks have neighbor groups with an interest in creek restoration.

B. Proposed Scope of Work (For schedule, see Timeline)

Project Partner	Deliverable(s)
Southern Sonoma Co. RCD	
Watershed Coordinator	Monthly Progress Reports - SSCRCD Board and CALFED
Willowbrook/Lichau Creek Riparian Revegetation	Completed Project
Creek Care Guide	Completed Publication
Riparian Corridor Enhancement	Completed Project
Marsh/Floodplain Expansion	Completed scoping report

Project Partner	Deliverable(s) for first year
City of Petaluma	
Adobe Creek	Completed Project
Capri Creek	Completed Project
Lynch Creek	Completed Project
San Francisco Estuary Institute	
Task A.1	Eco-Atlas for sub-watershed
Task A.2	Photographic Base Map
Task B.1	Technical and Operation Protocols for Data Sharing

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Task C.1	Historical Ecology Report
Task C.2.1	Quality Control Plan
Task C.2.2	Comprehensive set of GIS Maps of field work
Task C.2.3	Set of monumented stream reaches
Task C.2.4	GIS Maps of hillslope mass wasting
Task C.2.5	Hydrologic Data Report
Task D.	Comprehensive Report of Findings with supporting GIS

C. Location and/or Geographic Boundaries

Sonoma County, see attached Petaluma River Watershed Map;
California Hydrologic Map Unit Number 18050002

D. Expected Benefit(s) The primary biological objectives are to restore and enhance shaded riverine aquatic, instream aquatic habitat in Petaluma River watershed. Expected near-term benefits include enhanced instream and shaded riverine aquatic habitat from the revegetation of riparian corridors with native species. Reduced sedimentation and cooler water will improve existing fish & wildlife habitat and curtail further degradation. Outreach efforts will facilitate the use of improved land management practices, and coordinated water quality monitoring will leverage available resources to identify impairments and prioritize outreach, restoration or mitigation effort required. The project will expand available steelhead habitat in two creeks, create shaded riparian habitat in several locations leading to more suitable rearing habitat for salmonids and other wildlife. Long-term benefits expected from Watershed Science Plan (SFEI) include development of a quantitative basis for assessing significant impacts of stressors previously identified (page 1) and targeting restoration actions and efforts.

These priority habitats currently support native fish and wildlife including threatened and endangered species such as steelhead trout and red-legged frog located along ridge-top ponds (Bill Cox, DFG Biologist, Personal Communication 6/29/98).

E. Background and biological/Technical Justification

Need: "[Petaluma River] contains the largest extant natural tidal marsh on the west coast. The upper watershed is rapidly developing..." (CALFED ERPP Volume II, page 89). Petaluma River watershed, listed on State Water Resources Control Board's Impaired Waterbodies 303(d) list for sediment and nutrient loading is at risk of extirpation of anadromous species. Although salmonid runs (see map attached), primarily steelhead trout, are sustainable, critical rearing habitat for young of the year has become increasingly degraded by sedimentation and effects of urbanization including NPS pollution and thermal stress.

Casa Grande High School in Petaluma has received national recognition for their state-of-the-art fish hatchery built in 1993 and ongoing restoration efforts (since 1983) in Adobe Creek and monitoring efforts throughout the watershed. Local organizations have completed revegetation projects, coordinated creek clean-up events and are currently performing water quality monitoring

for diazinon and other parameters to identify stressors to existing wildlife. This restoration program will build on these previous and ongoing efforts.

Progress toward achieving water quality, habitat restoration, and steelhead viability must be measured against some baseline condition. Data required for such a baseline condition assessment are out-of-date, collected at a single location, or otherwise spatially or temporally limited. Efforts to enhance the watershed have been piecemeal at best. This restoration program would identify and coordinate all current restoration and monitoring efforts in order to help pool resources where possible, prioritize activities and provide a forum for discussion of future efforts. Examples of specific objectives the Petaluma River Watershed Restoration Program are found in Volume II of CALFED's ERPP (March 1998):

Natural Floodplain and Flood Processes	***Page 101***
Saline Emergent Wetlands	***Page 104***
Riparian And Shaded Riverine Aquatic Habitats	***Page 106***
Invasive Riparian and Saltmarsh Plants	***Page 108***

Alternatives: Alternatives for watershed restoration were discussed and evaluated thoroughly during the development of the Petaluma River Watershed Enhancement Plan. A multi-stakeholder advisory committee of landowners, local organizations and agency personnel, was formed and developed recommendations for watershed enhancement. These recommendations are available in the plan.

Basis for Expected Benefit: Proposed restoration project designs will draw from existing documents including Restoration Design and Management Guidelines for the Petaluma River Watershed (1996) and the science and methodology contained in Department of Fish & Game's 1998 edition of the California Salmonid Stream Habitat Restoration Manual. This manual is currently utilized by Fish & Game to restore anadromous habitat in the neighboring Russian River Watershed.

Basis for Durability: Proposed restoration projects will enhance ecosystem function and curtail further degradation of existing wildlife habitat. Restoration projects will utilize proven bio-technical designs and native materials where possible. Watershed assessment and monitoring projects will provide baseline data on which scientifically based decisions can be made, improve monitoring capability and facilitate the development of technically sound restoration projects. Data collection will utilize the state-of-the-art equipment and evaluation of that data will be performed by scientists at San Francisco Estuary Institute, agency representatives and will employ peer review.

Current Status: Recent efforts by SSCRCD, City of Petaluma local schools and community organizations to reverse the decline of wildlife habitat in the watershed have been well received by community and local press. Recent work by local groups are outlined on page 5 under Watershed Coordinator. Local support has been strong to continue restoration and enhancement.

The project has local and regional support from Natural Resources Conservation Service, National Marine Fisheries Service, Environmental Protection Agency, U. S. Fish and Wildlife Service, California Department of Fish and Game, State Water Resources Control Board. This program will complement current efforts including a 205(j) planning project, the ongoing work of United Anglers on Adobe Creek and the Petaluma Tree Planters restoration work in the watershed. This proposal is entirely consistent with CALFED objectives and will provide measurable benefits to priority habitat and provide valuable data to support future restoration work.

F. Monitoring and Data Evaluation

Monitoring is an integral part of all projects in this proposal. Quarterly reports will continue to be issued including post-project monitoring data specific to this proposal. Data evaluation will be conducted by members of a science advisory committee comprised of local volunteer scientists and technical professionals, and published annually for public review. Data collection will follow an EPA approved QAPP and further evaluation will be conducted by scientists at SFEI (project partner) and by local universities with existing relationships to the project partners (i.e. Sonoma State University, UC Davis, Santa Rosa Junior College).

Restoration projects in this proposal will utilize photographic monitoring and include a minimum of one year of post project monitoring. Data collected will be reviewed by the Petaluma River Technical Advisory Committee, project partners and other professionals.

G. Implementability

Restoration projects in this proposal have been chosen based on their potential to increase available high quality aquatic habitat for anadromous salmonids, enhance riparian corridors and/or reduce fragmentation of existing riparian corridor. Some sites will serve as model community projects (i.e., willing project site landowners will assist in public outreach, allow public tours, school groups and provide information. City of Petaluma has completed site review for project planning and willing landowners and collaborators for creek enhancement and educational projects.). Restoration projects will utilize the Restoration Design and Management Guidelines for the Petaluma River Watershed (1996).

SFEI working with SSCRCD have the staff, technical skills and tools necessary to ensure implementation of the Bay Area Watersheds Science Plan. SFEI will train local partners and transfer technology to continue data collection and monitoring efforts in the watershed. Projects are fully consistent with CALFED objectives for ecosystem restoration.

IV. Costs and Schedule

a. Budget Costs The projects and programs in this proposal focus on high-risk species and habitats (see page 1) and provide broad ecosystem benefits meeting the objectives for Category III funding, Local Watershed Stewardship and CALFED Bay -Delta Program. See Proposed Budget attached.

b. Scheduled Milestones SSCRCD will bill EPA quarterly on a time and materials basis for work completed (See attached Timeline).

c. Third Party Impacts No adverse third party impacts are expected.

V. Applicant Qualifications The Southern Sonoma County Resource Conservation District is a state chartered, local public agency and as such is tax-exempt under section 501.C.1 of the Internal Revenue Code. The District, governed by a five member volunteer board of directors, has administered more than one million dollars in grant funding from federal, state and local sources to complete planning and implementation projects in Stemple Creek and Petaluma River Watersheds of Sonoma County. Sources of grant funds include United States Environmental Protection Agency, USFWS Partners for Wildlife, State Wildlife Conservation Board, State Water Resources Control Board, State Coastal Conservancy and Sonoma County Fish and Wildlife Advisory Board.

Prior completed SSCRCD Projects

- Erosion Control on Vineyards Damaged by Phylloxera, 1992, completed with $25,000 in grant funding from San Francisco Estuary Project.
- Vineyard Management Practices: An Environmental Approach to Development and Maintenance, 1993, a handbook for vineyard owners covering all topics from planning to harvest.
- Tolay Creek Restoration Project: a 71 acre restoration of diked bayland currently farmed to Tidal Marsh; a collaborative project involving, USFWS, USEPA, NRCS, CA DFG, and others. This $500,000 project is currently underway.
- Sonoma Creek Watershed Enhancement Plan, 1997, completed with $77,000 in 205(j) grant funding from SWRCB.
- Sonoma Creek Vineyard Demonstration Project: This $260,000 project is currently in final phase and will be completed this summer.
- Sonoma Creek Watershed Conservancy: A coordinated, multi-stakeholder effort to implement a program of watershed restoration with $302,000 in funding from EPA.

References: Agency contacts familiar with our work available upon request.

Planned Organization of Staff and Other Resources

SSCRCD will handle administration and management of the project. The Watershed Coordinator will report directly to the SSCRCD District Manager. Funding for project partners will be allocated by the project applicant, who will be held accountable for products and deliverables to CALFED. Each project partners designated staff person will work with SSCRCD to provide inter-agency coordination and support. This restoration program will dovetail with current projects and bolster existing funding.

J. Leah Swent
Leah is the District Manager of the Southern Sonoma County Resource Conservation District and will oversee the Watershed Restoration Program and the Watershed Coordinator. Leah will serve as financial manager. Leah oversees all district staff and projects.

Robert Rand - Resource Conservationist
Robert will serve as Interim Project Manager for Watershed Restoration Program. He is the Project Manager for the Petaluma River Watershed Enhancement Plan. His recent work includes the Sonoma Creek Watershed Enhancement Plan (1997).

Joshua N. Collins, PhD - Environmental Scientist
Josh will serve as science coordinator for SFEI's Bay Area Watersheds Science Plan implementation in the Petaluma River Watershed. He is an Environmental Scientist with San Francisco Estuary Institute, where he leads the programs in wetlands and watersheds.

Jennifer Barrett - Principal Planner
Jennifer is a principal planner for the City of Petaluma. She is well qualified for this project and has been project manager for numerous restoration projects for the city including Petaluma Marsh Enhancement Project and Adobe Creek Restoration Project.

VI. Compliance with Standard Terms and Conditions

RFP Project Group Type: Services
Southern Sonoma County Resource Conservation District is recognized as a Special District by the State of California. SSCRCD is currently working under a contract administered by EPA and is aware of and in compliance with standard federal terms and conditions.

Proposed Budget for
Petaluma River Watershed Restoration Program

Project Partner	Labor Hours	Direct Salary	Overhead 10%	Service Contracts	Materials	Misc.	Totals
Southern Sonoma Co. RCD:							**$172,020**
San Antonio Creek	120	$3,600	$360	$5,000	$60,000		$68,960
Willow Brook/Lichau Creek	80	$2,400	$240		$32,000		$34,640
Creek Care Guide	120	$3,600	$360	$500	$3,000		$7,460
Watershed Coordinator	1,500	$45,000	$4,500		$500		$50,000
Petaluma Marsh/Floodplain	320	$9,600	$960		$400		$10,960
City of Petaluma:							**127,650**
Adobe Creek			$6,600	$20,000	$40,000		66,600
Capri Creek			$3,300	$15,000	$15,000		33,300
Lynch Creek			$2,750	$15,000	$10,000		27,750
San Francisco Estuary Institute:							**$64,950**
Watershed Science Program:		$6,450					$6,450
Eco-Atlas for sub-watershed				$2,500			$2,500
Photographic Base Map				$5,000			$5,000
Technical and Operation Protocols for Data Sharing				$5,000			$5,000
Quality Assurance Project Plan				$3,000			$3,000
Set of monumented stream reaches				$3,000			$3,000
GIS Maps of hillslope mass wasting				$20,000			$20,000
Hydrologic Data Report				$5,000			$5,000
Comprehensive Report of Findings with supporting GIS				$15,000			$15,000
Total CALFED Request							**$364,620**

Proposed Timeline for Petaluma River Watershed Restoration Program

	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
Southern Sonoma Co. RCD:						
San Antonio Creek	Site review develop plan	receive permits				
Willow Brook/Lichau Creek	Site review develop plan	receive permits				
Creek Care Guide			Develop guide	Guide to press	Task complete	
Watershed Coordinator	Conduct outreach	Assemble Advisory Committee		Advisory Committee meeting		Advisory Committee meeting
Petaluma Marsh/Floodplain Expansion	Conduct outreach		Landowner meetings		Write report	Task complete
City of Petaluma:						
Adobe Creek		Site review develop plan	receive permits			
Capri Creek		Site review develop plan	receive permits			
Lynch Creek				Site review develop plan	receive permits	
San Francisco Estuary Institute:						
Watershed Science Program:	Assemble Science Team	Science Team Meeting		Science Team Meeting		Science Team Meeting
Eco-Atlas for sub-watershed	Begin task		Completed task			
Photographic Base Map	Begin task		Completed task			
Technical and Operation Protocols for Data Sharing	Begin task			Completed task		
Quality Assurance Project Plan	Completed task					
Set of monumented stream reaches	Start		Finished			
GIS Maps of hillslope mass wasting			Ongoing			
Hydrologic Data Report			Ongoing			
Comprehensive Report of Findings with supporting GIS		Ongoing data collection				

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Proposed Timeline for Petaluma River Watershed Restoration Program

	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99
Southern Sonoma Co. RCD:						
San Antonio Creek		start const.	Task complete			
Willow Brook/Lichau Creek		start const.	Task complete			
Creek Care Guide						
Watershed Coordinator		Advisory Committee meeting		Advisory Committee meeting		Advisory Committee meeting
Petaluma Marsh/Floodplain Expansion						
City of Petaluma:						
Adobe Creek		start const.	Task complete			
Capri Creek		start const.	Task complete			
Lynch Creek			start const.	Task complete		
San Francisco Estuary Institute:						
Watershed Science Program:		Science Team Meeting		Science Team Meeting		Science Team Meeting
Eco-Atlas for sub-watershed						
Photographic Base Map						
Technical and Operation Protocols for Data Sharing						
Quality Assurance Project Plan						
Set of monumented stream reaches						
GIS Maps of hillslope mass wasting						Maps done
Hydrologic Data Report			Write report			
Comprehensive Report of Findings with supporting GIS			Write report			

Resolution No. 98-126 N.C.S.
of the City of Petaluma, California

AUTHORIZING A JOINT PROPOSAL WITH THE RESOURCE CONSERVATION DISTRICT FOR GRANT FUNDS FROM CALFED FOR THE PETALUMA RIVER WATERSHED ENHANCEMENT PROGRAM

WHEREAS, an interagency agreement was signed by various state and federal agencies to resolve problems in the Bay-Delta system;

WHEREAS, Category III of the funding agreement provides for restoration of habitat to implement the long-range plan for the Bay-Delta system;

WHEREAS, the voters of the State of California have enacted Proposition 204 which provides state funds for grants under the agreement to local, state and federal agencies and nonprofit entities for projects to enhance and restore habitats for targeted species;

WHEREAS, CALFED is the interagency association designated to establish procedures and criteria for reviewing grant proposals and selecting grant recipients;

WHEREAS, said procedures and criteria established by CALFED require the applicant to provide a resolution authorizing such applications;

WHEREAS, the applicant will enter into an agreement with CALFED or a designated agency to carry out the restoration project(s);

WHEREAS, the Resource Conservation District is in the process of preparing a Watershed Plan for the Petaluma River Watershed;

WHEREAS, the City of Petaluma in conjunction with other responsible agencies has developed Restoration Design and Management Guidelines for the Petaluma River Watershed, as well as, restoration plans for the Petaluma River and the Petaluma Marsh which are significant resource areas in the Bay Delta system that are within the City of Petaluma's jurisdiction;

WHEREAS, implementation of the measures and improvements recommended in the area plans and design guidelines would provide a significant benefit to endangered fish and other sensitive species;

WHEREAS, the City of Petaluma in conjunction with other agencies, nonprofit groups and private contributions has provided significant funding for watershed planning studies and additional funding is needed to implement the recommended measures;

NOW THEREFORE BE IT RESOLVED that the City Council of the City of Petaluma hereby authorizes the filing of grant applications for CALFED funding and appoints the City Manager, his successors or assigns to conduct all negotiations, execute and submit all documents, including, but not limited to applications, agreements, amendments, payment requests and so on, which may be necessary for the completion of the Petaluma River Watershed Enhancement Program.

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Under the power and authority conferred upon this Council by the Charter of said City.

REFERENCE: I hereby certify the foregoing Resolution was introduced and adopted by the Council of the City of Petaluma at a (Regular) (Adjourned) (Special) meeting on the 29th day of June, 1998, by the following vote:

Approved as to form

City Attorney

AYES: Keller, Torliatt, Read, Vice Mayor Maguire, Mayor Hilligoss

NOES: None

ABSENT: Hamilton, Stompe

ATTEST: City Clerk

Mayor

CA 10-85

Council File Res. No. 98-127 NCS

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LYNN WOOLSEY
6TH DISTRICT, CALIFORNIA

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June 30, 1998

CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

Dear CALFED Technical Review Panel:

I am writing this letter to express my support for the Southern Sonoma County Resource Conservation District's (SSCRCD) proposal for funding from the CALFED Bay-Delta Program. SSCRCD has a long history of working with landowners and residents to both improve agricultural operations and protect the environment. Since 1994, they have worked on a collaborative process with in the Sonoma Creek Watershed to develop a community-based watershed plan; now they are preparing to work on a larger scale in the Petaluma River Watershed.

The Petaluma Watershed Restoration Program promises to have many benefits. The watershed contains many species of concern, including endangered salt mouse, harvest mouse, California clapper rail and black rail -- all which will benefit from the habitat enhancements envisioned in this project. The watershed has also experienced serious erosion and flooding problems which will be addressed to benefit our human population.

Please know that I am extremely supportive of collaborative, coordinated approaches to watershed restoration, knowing that they are the only way we can achieve positive results with private property owners and ensure that public agencies do not engage in contradictory permitting and regulatory actions. Additionally, the shared resources of public agencies, private groups and local schools ensure that watershed enhancement and public education is effectively implemented.

Thank you for your careful consideration of SSCRCD's application for funding. It is my sincere hope that your funding will allow SSCRCD to go forward to do this much needed work in the Petaluma Watershed.

Sincerely yours,

Lynn Woolsey

Lynn Woolsey
Member of Congress

LCW:tr

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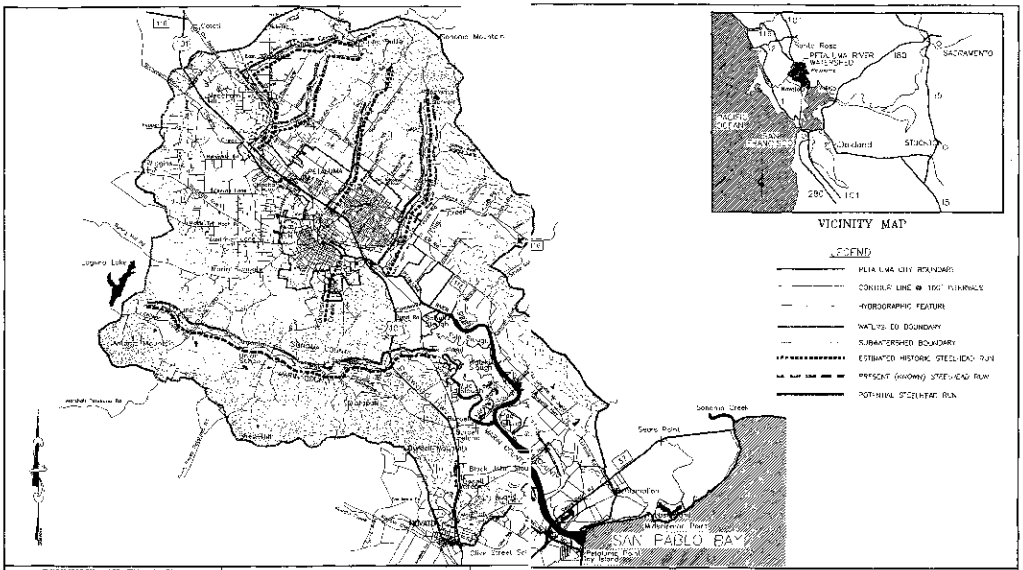

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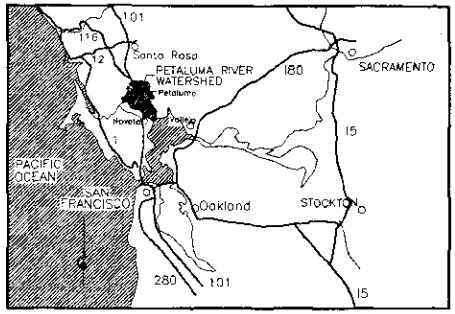
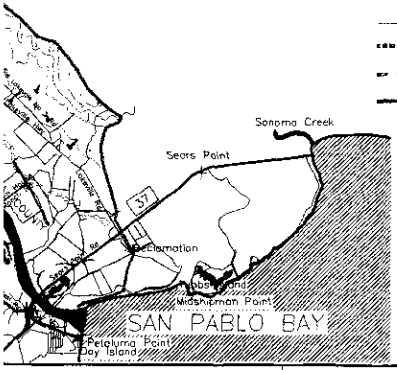


VICINITY MAP

LEGEND

- PETALUMA CITY BOUNDARY
- CONTOUR LINE @ 100' INTERVALS
- HYDROGRAPHIC FEATURE
- WATERSHED BOUNDARY
- SUBWATERSHED BOUNDARY
- ESTIMATED HISTORIC STEELHEAD RUN
- PRESENT (KNOWN) STEELHEAD RUN
- POTENTIAL STEELHEAD RUN



PREPARED FOR:
IERN SONOMA COUNTY
:E CONSERVATION DISTRICT

STEELHEAD FISHERY IN THE
PETALUMA RIVER WATERSHED

SHEET 1 OF 1